

AD A116089

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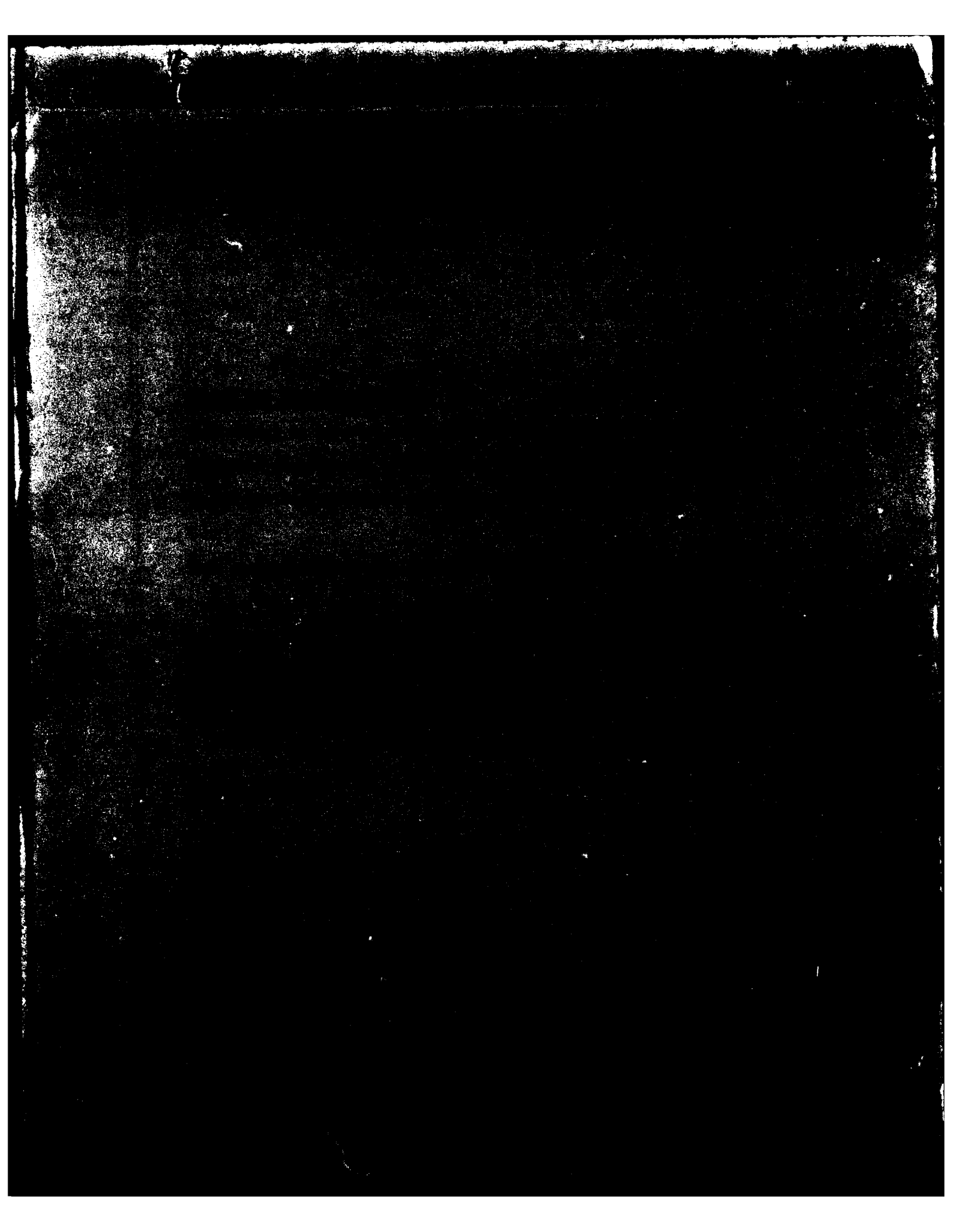
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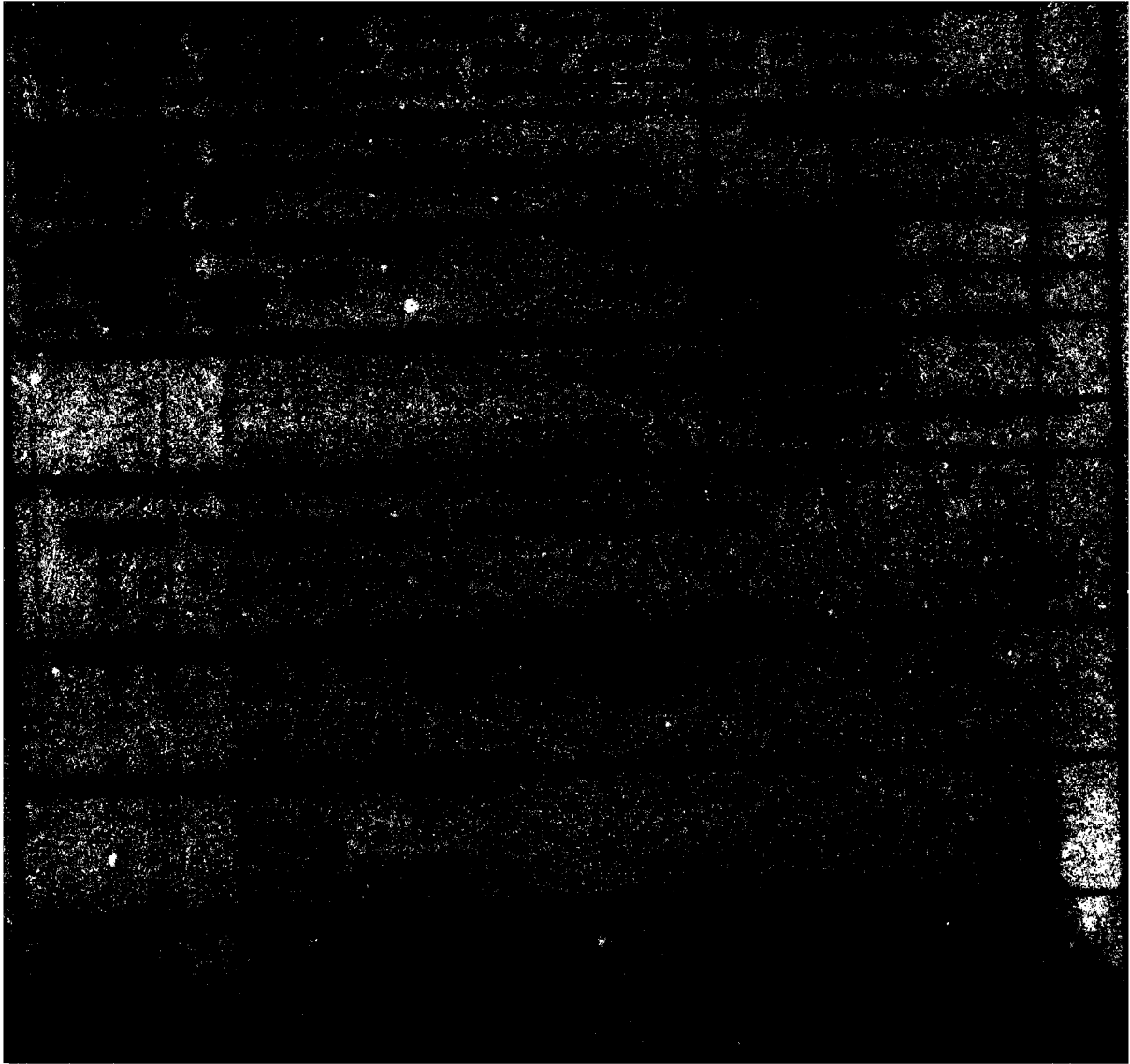
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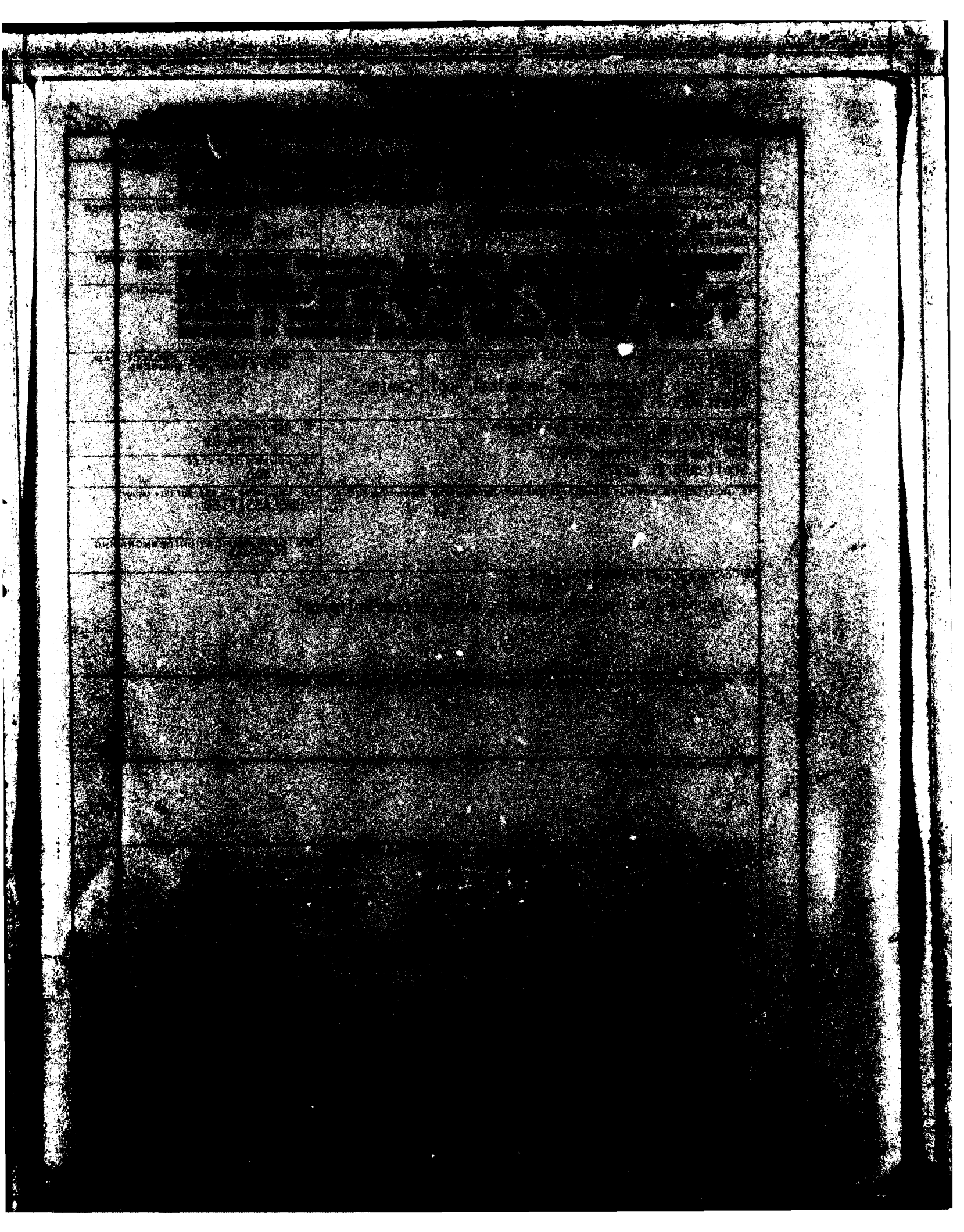
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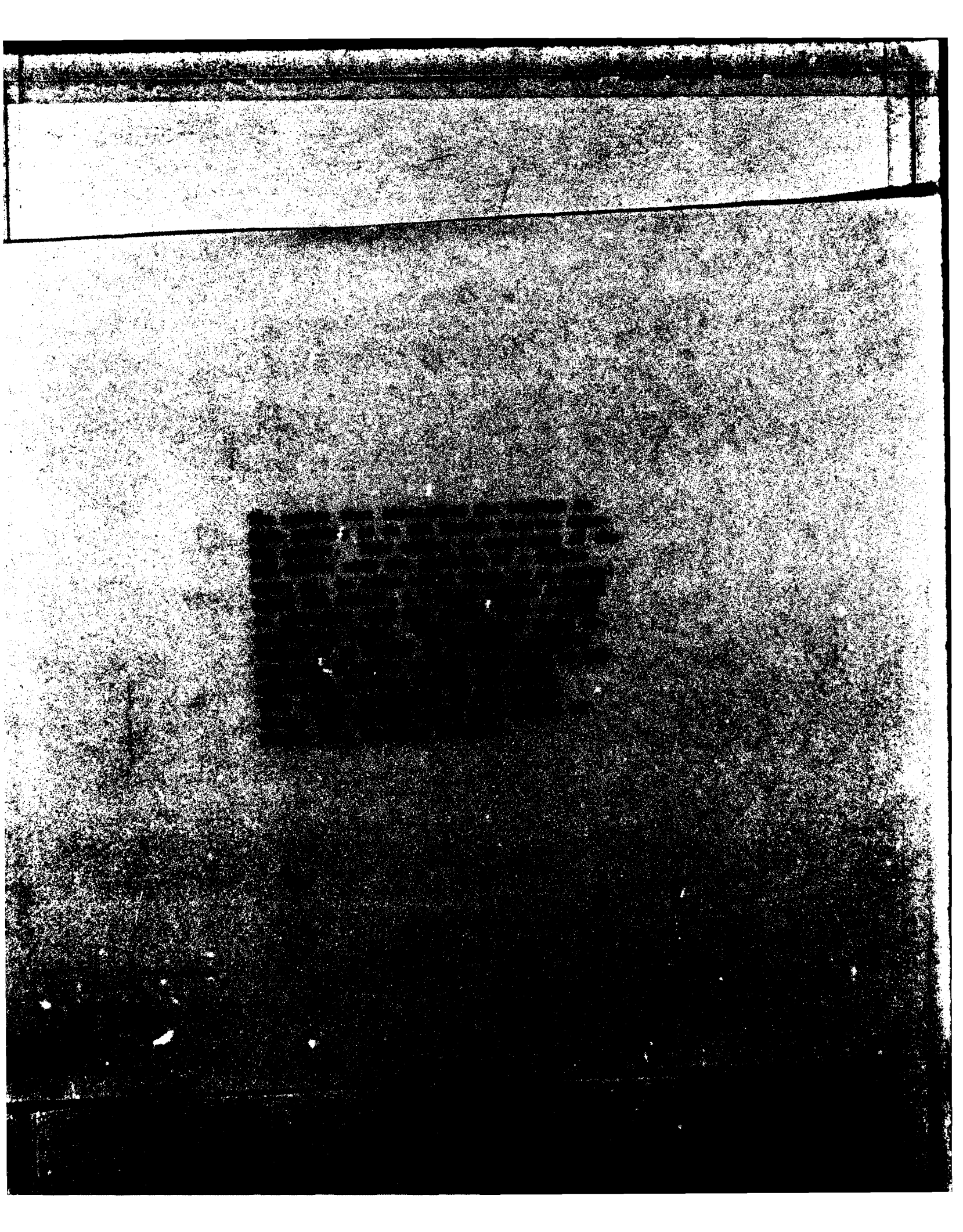
AD A116089

DEAFETEC/RS-82/021









FORM NO. 1  
MAY 1962 EDITION  
GPO : 1962 O - 350-000

# STATION REPORT OF SURFACE WEATHER OBSERVATIONS

## STATION INFORMATION

Hourly observations are defined as those made at 15 minute intervals at regular 15 minute intervals.

## DATE INFORMATION

Daily observations are defined as those made at 0000, 0600, 1200, and 1800 UTC. (Detailed and recent special, local, history of the Sta. Circular 200.)

## STATION INFORMATION

For each station is a brief description of the station and the type of observation. The number of observations and the number of observations are also indicated. The number of observations is also indicated. The number of observations is also indicated.

Unless otherwise noted the following conditions are assumed for the station:

Table A - WEATHER OBSERVATIONS

Observation Period:

Table B - WEATHER OBSERVATIONS

Observation Period:

Table C - WEATHER OBSERVATIONS

Observation Period:

Table D - WEATHER OBSERVATIONS

Observation Period:

Table E - WEATHER OBSERVATIONS

Table F - WEATHER OBSERVATIONS

Table G - WEATHER OBSERVATIONS

Table H - WEATHER OBSERVATIONS





**ARTICLE I**

Section 1. All legislative Powers herein granted shall be vested in a Congress of the United States, which shall consist of a Senate and House of Representatives.

Section 2. The House of Representatives shall be composed of Members chosen every second Year by the People of the several States, and the Electors in each State shall have the Qualifications requisite for Electors of the most numerous Branch of the State Legislature.

1. No Person shall be a Representative who shall not, when elected, have seven Years Residence in this Country, and be seven Years of Age, and 14 Years a Citizen of the United States, and, when elected, have seven Years Residence in that State in which he shall be chosen.

2. No Person shall be a Representative who shall not, when elected, have seven Years Residence in this Country, and be seven Years of Age, and 14 Years a Citizen of the United States, and, when elected, have seven Years Residence in that State in which he shall be chosen.

A Person shall not be a Representative who shall not, when elected, have seven Years Residence in this Country, and be seven Years of Age, and 14 Years a Citizen of the United States, and, when elected, have seven Years Residence in that State in which he shall be chosen.

Representatives and Electors in Congress shall be chosen by the People of the several States, and the Electors in each State shall have the Qualifications requisite for Electors of the most numerous Branch of the State Legislature.

Section 3. The Senate of the United States shall be composed of two Senators from each State, chosen by the Legislature thereof, for six Years; and each Senator shall have the Qualifications requisite for Electors of the most numerous Branch of the State Legislature.

Section 4. The Electors in each State shall have the Qualifications requisite for Electors of the most numerous Branch of the State Legislature.

Section 5. The Senate shall have the Power to try all Impeachments, and when sitting for that Purpose, shall be on Oath or Affirmation. The Judgment of the Senate shall not extend further than to remove from Office, and disqualification to hold any Office of Honor, Trust or Profit under the United States.

Section 6. The Senate shall have the Power to confirm and reject all Appointments, and to give and receive Ambassadors and other public Ministers.

Section 7. The Senate shall have the Power to ratify and reject all Treaties, made by the President, which require the Advice and Consent of the Senate, provided two thirds of the Senators present concur.

Section 8. The President shall have the Power to grant Reprieves and Pardons for all Offenses against the United States, except in Cases of Impeachment.

Section 9. The President shall have the Power to fill up all Vacancies that may happen during the recess of the Senate, by granting Commissions that shall expire at the End of their next Session, unless they be sooner revoked.

Section 10. No Title of Nobility shall be granted by the United States; and no Person holding any Office of Profit or Trust under them, shall accept of any Title of Nobility from any other Power.

Section 11. The President shall have the Power to receive Ambassadors and other public Ministers.

Section 12. The President shall have the Power to grant Reprieves and Pardons for all Offenses against the United States, except in Cases of Impeachment.

Section 13. The President shall have the Power to fill up all Vacancies that may happen during the recess of the Senate, by granting Commissions that shall expire at the End of their next Session, unless they be sooner revoked.

Section 14. No Title of Nobility shall be granted by the United States; and no Person holding any Office of Profit or Trust under them, shall accept of any Title of Nobility from any other Power.

Section 15. The President shall have the Power to receive Ambassadors and other public Ministers.

Section 16. The President shall have the Power to grant Reprieves and Pardons for all Offenses against the United States, except in Cases of Impeachment.

Section 17. The President shall have the Power to fill up all Vacancies that may happen during the recess of the Senate, by granting Commissions that shall expire at the End of their next Session, unless they be sooner revoked.

Section 18. No Title of Nobility shall be granted by the United States; and no Person holding any Office of Profit or Trust under them, shall accept of any Title of Nobility from any other Power.

**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 occur. Since more than one type of obstruction may be reported in the same observation, the sum of the individual categories may exceed the percentage total column. 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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1444

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**WEATHER CONDITIONS**

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

JAN  
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS**

MONTH	HOURS (L.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		5.5	1.7	41.5		47.2	12.4	1.2	9.4		22.3	837
	03-05		5.6	1.0	39.9		45.5	12.3	.5	9.2		21.4	837
	06-08	.1	5.0	1.0	38.0		43.4	15.8	1.9	8.0		25.2	837
	09-11		5.1	.6	37.2		42.3	18.9	6.5	10.6		34.2	837
	12-14		6.0	1.1	36.1		42.1	14.0	7.8	11.2		31.7	837
	15-17		5.0	1.1	36.0		41.1	15.2	8.3	10.6		31.8	836
	18-20		6.8	1.0	37.2		42.8	11.8	4.7	8.6		22.9	837
	21-23		6.6	1.7	39.4		45.2	11.6	3.0	9.4		22.2	837
TOTALS		.0	5.7	1.2	38.2		43.7	14.0	4.2	9.6		26.5	6695

USAFETAC FORM 6-10-68 (A) PERCENT OCCURRENCE OF WEATHER CONDITIONS

5056

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEAR

FEB  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		5.5	.4	34.0		39.4	13.5	2.8	5.2		20.5	762
	03-05		6.2	.5	35.8		41.7	18.6	1.8	5.8		21.1	762
	06-08		5.0	.8	37.3		42.1	19.0	3.1	5.6		27.0	762
	09-11		4.5	.3	34.1		38.8	19.9	10.9	6.3		34.4	762
	12-14		5.8	.1	33.3		38.8	13.6	8.7	7.2		28.6	762
	15-17		7.9		28.9		36.1	12.7	8.5	6.8		27.2	762
	18-20		8.4	.4	27.6		35.8	11.4	5.9	5.9		22.2	762
	21-23		7.5	.5	32.7		39.8	11.5	4.1	5.2		20.1	762
TOTALS			6.4	.4	33.0		39.1	18.7	5.8	6.0		25.1	6096

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEAR

MAR  
 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	HAB	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLowing SNOW	DUST AND/OR SAND	% OF OBS WITH OBSC TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.2	10.9	1.0	15.9		26.8	11.5	1.9	1.1		13.4	837
	03-05	.4	10.8	.7	15.5		25.9	12.3	.8	.8		13.7	837
	06-08		10.2	.7	15.2		24.9	24.9	4.4	1.6		28.9	837
	09-11	.1	11.1	1.1	15.5		26.9	23.9	9.1	1.6		31.9	837
	12-14		9.9	.6	14.5		23.8	14.9	8.0	2.8		28.8	837
	15-17	.2	10.8	.7	14.1		24.1	12.7	7.9	2.6		21.3	837
	18-20	.2	9.0	.7	14.3		23.1	14.8	5.1	1.9		19.0	837
	21-23	.2	10.0	.8	14.0		23.9	12.4	3.1	1.7		15.5	837
TOTALS		.2	10.3	.8	14.9		24.8	19.9	8.0	1.7		28.9	6696

5057

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

725287  
 STATION

NIAGARA FALLS NY  
 WAREHOUSE

73-81

APR  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	SHOWERS SNOW	DUST AND/OR SAND	% OF OBS WITH CEAS TO VISION	TOTAL NO. OF OBS.
APR	00-02	.9	17.2		5.8		21.6	11.2	1.4	.7		12.6	810
	03-05	.1	12.6	.1	6.2		18.8	14.3	1.4	.6		18.3	810
	06-08	.7	13.2	.2	4.7		22.8	21.7	6.3	.6		26.9	810
	09-11	.2	13.6	.2	5.4		18.9	13.8	3.8	.9		19.8	810
	12-14	.8	12.2		4.8	.1	16.8	8.9	2.1	.9		11.6	810
	15-17	.7	13.3		6.2	.1	16.8	9.8	3.6	1.1		12.8	810
	18-20	.2	12.2		4.8		18.8	18.8	4.9	1.1		14.4	810
	21-23	1.1	14.4		8.9		18.3	6.9	2.8	.7		8.8	810
TOTALS		.6	13.6	.1	5.2	.2	18.1	12.8	3.4	.8		16.3	6480



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**WEATHER CONDITIONS**

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

72-01

JUN  
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS**

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	PRECIPITATION TYPE & AMT INCHES	SNOW AMOUNT INCH	HAL	% OF OBS TOTAL OBS	FOG	SMOKE AND/OR FOUR	HAZARD DUST	CAST AND/OR SMOG	% OF OBS WITH CAST OR SMOG	TOTAL NO. OF OBS.
JUN	00-02	1.1	6.8				8.8	11.7	6.7			16.7	610
	03-05	1.6	6.0				6.8	10.8	8.9			25.4	610
	06-08	1.7	9.1				9.1	23.7	24.2			41.9	610
	09-11	.4	7.3				7.3	11.0	24.7			34.4	610
	12-14	2.8	7.3				1.3	2.1	21.0			25.4	610
	15-17	1.8	7.0				7.8	9.1	21.0			34.2	610
	18-20	1.8	6.7				8.7	5.0	19.8			23.5	610
	21-23	2.8	8.4				8.4	8.8	18.5			18.5	610
TOTALS		1.7	7.8				7.8	11.8	17.8			21.8	6000

STATION: 72-01-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31





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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725287

NIAGARA FALLS NY

72-22

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FROSTING OR FOG OR RAIN	SMOKE OR DUST	SEA SMOOTH	SEA ROUGH	SEA CALM	SEA DUTY	SEA WAVEY	SEA ANGRY	SEA CALM	TOTAL NO. OF OBS.	
SEP	00-02	2.0	10.0						20.0	20.7	2.0		17.7	110
	03-05	1.0	10.0						20.0	47.0	2.0		19.0	110
	06-08	.7	12.0						10.0	22.5	10.1		27.2	110
	09-11	1.1	10.0						20.0	10.0	10.0		20.0	110
	12-14	1.0	9.0						5.0	7.0	10.0		22.0	110
	15-17	1.0	7.0						7.0	5.0	10.0		22.0	110
	18-20	1.0	9.0						7.0	5.0	10.0		22.0	110
	21-23	1.0	6.0						7.0	20.7	7.7		19.0	110

5060



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

725287      NIAGARA FALLS NY      73-82      NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FRESHING WIND & /OR DRIZZLE	SNOW AND/OR MIST	HAL ICE	% OF OBS WITH FROG	FOG	SMOG AND/OR HAZE	SHOWING SNOW	SNOW AND/OR SAND	% OF OBS WITH QUIT TO WHICH	TOTAL NO. OF OBS.
NOV	00-02		11.0	.4	8.5		19.0	13.6	2.8	.1		13.2	610
	03-05	.2	12.8		9.8		21.8	15.1	2.1	.2		15.9	610
	06-08	.2	11.7		8.9		20.8	19.6	5.4	.2		22.1	610
	09-11	.2	13.5		13.4		22.5	17.3	9.9	.6		27.8	610
	12-14	.4	13.8		13.1		22.2	13.8	18.2	1.3		29.7	610
	15-17		15.8	.1	7.9		23.2	12.4	9.8	.2		22.8	610
	18-20		15.4	.1	7.8		22.3	18.7	4.8			19.2	610
	21-23	.1	12.7	.2	7.9		22.6	18.0	9.2	.3		12.7	610
TOTAL		.2	13.8	.1	8.8		21.1	15.1	6.8	.4		19.8	6495

5061

GLOBAL CLIMATOLOGY BRANCH  
 USAPETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

735207 NIAGARA FALLS NY 73-01 DEC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS**

MONTH	HOURS (L.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISIB	TOTAL NO. OF OBS.
DEC	00-02		9.0	.1	25.8		53.6	9.9	.7	3.8		14.2	837
	03-05		9.4	.8	26.0		38.0	11.2	1.1	3.0		15.1	837
	06-08		11.0	.7	28.7		26.8	13.3	2.2	3.6		18.5	837
	09-11		7.2	1.1	28.1	.2	38.3	19.1	6.2	3.8		27.4	834
	12-14		9.0	.8	27.8	.1	38.7	13.6	6.6	4.4		24.3	837
	15-17		7.9	.4	24.9		31.9	18.8	6.3	4.7		26.2	837
	18-20		8.4	.8	24.9		38.8	11.1	1.9	3.7		18.8	838
	21-23		8.2	.8	27.9		38.4	12.1	1.8	4.8		17.6	834
TOTALS			8.8	.8	26.4	.8	34.4	13.2	3.3	3.9		19.8	6698

GLOBAL CLIMATOLOGY BRANCH  
 WASHINGTON  
 AIR WEATHER SERVICE/AFSS

WEATHER CONDITIONS

STATION NIAGARA FALLS, NY

YEAR 1964

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	WIND (K.T.)	WINDY PERCENT	WIND SPEED K.T.	WINDY PERCENT	WIND SPEED K.T.	WIND SPEED K.T.	WIND SPEED K.T.	WIND SPEED K.T.	WIND SPEED K.T.	WIND SPEED K.T.	WIND SPEED K.T.	WIND SPEED K.T.	TOTAL NO. OF OBS.
JAN	ALL	4.0	8.7	1.0	20.0	42.7	21.0	0.0	0.0			20.5	6095
FEB		4.0	8.0	1.0	20.0	30.0	20.7	0.0	0.0			25.1	6096
MAR		3.0	10.0	0.0	10.0	30.0	15.0	5.0	1.7			20.0	6096
APR		3.0	12.0	0.0	0.0	20.0	10.0	1.0	0.0			15.0	6000
MAY		3.0	10.0			10.0	10.0	0.0				10.0	6096
JUN		1.0	0.0			1.0	10.0	0.0				10.0	6000
JUL		1.0	0.0			1.0	10.0	0.0				10.0	6096
AUG		1.0	0.0			1.0	10.0	0.0				10.0	6096
SEP		1.0	0.0			1.0	10.0	0.0				10.0	6000
OCT		3.0	10.0			10.0	10.0	0.0				10.0	6096
NOV		3.0	10.0	1.0	0.0	10.0	10.0	0.0	0.0			10.0	6000
DEC		0.0	0.0	0.0	10.0	0.0	10.0	0.0	0.0			10.0	6000
YEAR		3.0	8.0	1.0	10.0	10.0	10.0	0.0	1.0			10.0	10070

5062

## 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 MEAN 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.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 WEATHER CONDITIONS  
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 ATMOSPHERIC PHENOMENA

725287 STATION 725287 MIAGARA FALLS NY STATION NAME 51-64, 68-91 YEARS ALL 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.
JAN	DAILY	.8	27.3	7.3	79.9		88.7	46.8	57.5	26.0		83.2	763
FEB		.6	26.5	4.0	73.3		83.4	51.5	62.4	21.8		83.5	679
MAR		3.4	36.6	4.4	52.0	.7	69.9	48.3	52.3	9.0		71.2	744
APR		9.4	51.8	.3	18.6	.6	59.4	44.9	51.1	1.4		66.3	720
MAY		9.4	51.6		1.5	.7	51.9	45.2	58.7			68.5	744
JUN		19.0	48.1		.1	.5	48.1	47.0	66.7			71.3	738
JUL		19.0	43.3			.7	43.3	49.1	74.2			77.6	751
AUG		19.4	44.7		.1	.4	44.7	58.6	73.8			79.1	713
SEP		12.9	48.0		.1	.3	48.0	51.6	65.9			74.1	690
OCT		3.2	43.5	2.0	30.2	.3	64.5	48.2	61.2	6.5		73.5	712
NOV		1.8	52.5	.7	34.3	.4	71.3	47.6	53.9	3.9		71.1	760
DEC		.9	35.2	7.5	67.8		83.6	50.3	54.5	16.1		77.8	805
TOTALS		8.3	42.4	2.2	29.8	.4	63.1	49.1	61.0	7.1		74.8	8819

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

**C PART B PRECIPITATION, SNOWFALL & SNOW DEPTH**

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

**B**

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 zero 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.

D

- 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:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USNB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 FROM DAILY OBSERVATIONS

725267 NIABARA FALLS, NY 51-68, 68-81 YEAR

PRECIP.	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NOV8	TRAC8	0	.01-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.00	2.01-3.00	3.01-10.00	10.01-20.00	OVER 20.00	JAN			FEBRUARY	MAY	
	NOV8	TRAC8	1	2	3	4-6	7-10	10-20	20-30	30-40	40-60	60-100	OVER 100						
JAN	11.1	29.6	7.3	16.5	11.0	15.9	5.9	2.2	.6					59.2	763	2.46	6.62	1.20	
FEB	16.8	28.4	7.0	15.3	10.3	11.9	6.0	3.2	.6	.1				54.6	679	2.48	6.56	.86	
MAR	29.2	25.7	4.8	10.6	6.5	10.8	7.0	4.8	.7					65.2	769	2.88	6.96	.75	
APR	39.7	18.5	2.9	8.3	6.8	9.6	7.5	6.3	.6					61.6	728	3.01	6.72	1.39	
MAY	47.0	15.9	3.1	8.3	4.2	8.5	7.7	6.4	.9					37.1	746	2.88	6.47	.70	
JUN	51.4	16.9	2.4	6.0	5.1	7.0	6.0	3.4	1.6	.1				31.7	758	2.72	6.86	.23	
JUL	56.4	14.7	2.5	5.7	5.0	5.0	3.7	5.0	1.7					20.8	753	2.68	5.76	.65	
AUG	54.7	14.3	3.2	5.2	3.6	6.0	5.0	4.6	2.8	.6				31.0	713	3.76	6.96	.79	
SEP	51.4	15.5	3.3	5.4	4.5	7.2	5.8	5.5	1.8	.3				33.8	698	3.87	7.00	1.06	
OCT	35.5	21.2	4.4	7.7	6.7	11.5	7.7	4.5	.6	.1				42.5	712	2.98	6.54	.64	
NOV	28.2	22.8	5.7	11.6	6.9	11.1	9.4	2.6	3.0					65.9	758	3.82	6.86	1.88	
DEC	16.1	26.3	5.6	17.2	10.4	10.7	9.6	2.6	.6					57.6	806	3.89	6.71	1.89	
ANNUAL	36.5	20.8	4.4	9.8	6.7	9.6	6.6	4.2	1.8	.1				42.7	8028	3.73	6.73	1.20	

1967-70 USE G-10-4 (REV. 5) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
**PRECIPITATION**

(FROM DAILY OBSERVATIONS)

725287 NIAGARA FALLS NY  
STATION STATION NAME

51-64, 68-81  
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						.87	.86	.47	1.08	1.18	1.55	.51	
52	.55	.59	.95	.63	.94	.13	1.08	1.93	.94	.13	.59	.80	1.93
53	.40	.40	2.30	.60	.86	.21	1.54	2.01	1.74	.29	.67	.91	2.30
54	.50	3.13	1.00	.78	.30	.77	.15	2.79	.64	2.92	1.03	.55	3.13
55	.34	.58	1.03	.69	1.02	.63	1.98	1.84	.85	1.55	.37	.41	1.98
56	.62	.70	.63	1.13	.95	.22	.81	2.60	.70	.51	1.81	.83	2.60
57	1.41	.73	.83	.98	1.86	2.52	.93	.22	.96	.68	.48	.97	2.52
58	.76	.94	.15	.84	.69	.49	.90	1.72	.61	.39	.68	.20	1.72
59	1.35	1.01	.67	.92	.22	.66	.88	3.24	2.40	.80	.46	.87	3.24
60	.36	.91	.45	.47	.88	.94	.67						
61										.21	.73	.71	
62	.80									.63	.54	1.10	
63	.36	.17	.69	1.60	.70	.78	.93	1.86	.36	.21	1.84	.24	1.86
64	.68	.33	1.04	.95	1.12	.55	.89						
68											1.37	.77	
69	1.10	.22	.43	.73	1.10	.82	1.28	.84	.39	.33	.76	.79	1.28
70	.40	.61	.67	.93	.80	1.64	1.89	1.58	.88	.88	1.03	.69	1.64
71	.27	.81	.34	.52	.48	1.96	2.81	2.28	.59	.86	.89	.77	2.81
72	.27	1.46	.95	.94	1.12	1.04	.48	.98	1.89	1.89	.63	.84	1.89
73	.30	.62	1.32	.88	.84	1.37	.71	.71	.88	1.88	1.88	.92	1.88
74	.41	.94	.63	.96	1.24	1.78	1.88	1.12	.87	.32	1.23	1.11	1.78
75	.53	.64	.87	.95	.37	1.32	.88	1.52	.88	.72	.46	.72	1.52
76	.52	.58	.89	1.18	.94	1.82	1.22	.48	.73	.89	.27	.38	1.82
77	.46	.16	.92	.92	.69	.68	.88	.77	2.52	.72	1.18	1.88	2.52
78	.75	.39	.77	.71	.74	1.31	.63	1.78	1.88	.87	.63	.71	1.78
79	.67	.28	.38	.67	.74	.87	1.81	.82	4.24	.91	.51	.79	4.24
80	.77	.29	1.12	.86	.85	1.88	1.29	.87	.77	1.88	.46	.68	1.88
81	.19	1.02	.52	.62	.87	1.98	1.27	.88	.82	.73	1.87	.49	1.98
MEAN	.392	.317	.782	.411	.613	1.013	.973	1.287	1.116	.823	.758	.788	2.000
S.D.	.315	.289	.612	.359	.459	.811	.811	.828	.878	.656	.588	.652	.771
TOTAL OBS.	763	679	754	728	744	728	743	711	688	757	748	806	8100

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

725287 NIAGARA FALLS NY  
STATION STATION NAME

51-50, 50-51 YEAR

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						2.09	0.89	1.09	2.38	1.68	6.04	3.41	27.51
52	4.13	1.98	2.81	2.10	3.11	.23	1.24	4.22	1.81	.28	1.86	2.84	33.07
53	2.27	1.58	4.88	2.21	4.82	.60	3.03	4.88	3.94	.89	2.63	2.87	44.61
54	2.20	4.10	4.99	3.79	1.86	3.84	.56	8.96	2.07	0.77	3.27	3.81	50.91
55	1.93	2.07	3.92	3.08	2.27	.74	2.23	5.46	2.30	7.18	2.87	2.74	36.91
56	2.66	3.34	3.36	4.53	0.47	3.09	7.30	3.13	.97	2.13	2.64	2.84	40.91
57	4.62	1.91	1.85	4.72	4.78	4.01	3.49	.79	3.83	1.33	2.33	4.04	36.90
58	3.12	4.12	.75	2.34	1.26	1.11	2.83	2.87	2.84	1.83	2.54	1.89	28.20
59	3.88	3.92	3.22	2.48	.78	1.88	1.42	4.48	3.13	4.84	2.38	3.73	35.38
60	2.37	4.54	2.00	1.64	5.08	2.15	1.48						
61										.39	2.44	2.77	
62	* 2.45									* 2.18	1.13	2.92	
63	* 1.79	.56	1.81	2.74	1.79	1.46	3.38	6.88	1.04	.44	5.83	1.73	*27.93
64	1.77	1.33	3.90	3.81	2.88	1.88	.97						
65											1.61	3.88	
66	2.76	.60	1.56	3.90	4.06	2.92	2.23	1.06	1.11	1.97	1.97	2.18	27.85
67	1.91	2.34	2.18	2.19	2.89	4.28	2.64	4.41	3.29	3.34	3.36	3.17	36.91
68	1.45	2.74	2.17	1.48	1.88	4.81	2.16	1.28	1.22	2.23	2.18	2.27	29.86
69	1.99	3.47	4.78	2.77	3.82	4.22	1.63	5.23	3.71	3.69	3.27	3.48	41.32
70	1.30	1.95	4.29	4.24	3.02	4.29	1.78	1.83	1.78	4.18	4.75	4.28	37.67
71	2.89	2.37	3.27	4.82	4.47	4.31	1.99	2.23	2.32	1.41	4.43	2.44	36.19
72	1.44	2.61	2.62	1.48	2.27	4.42	1.22	4.74	2.22	2.47	2.44	2.21	32.84
73	2.87	2.26	4.95	3.52	4.84	4.88	1.94	1.01	2.34	2.42	1.88	1.89	38.44
74	1.76	.99	3.38	3.87	2.82	2.12	2.71	4.09	7.78	2.18	2.00	4.71	32.87
75	3.33	1.62	1.73	1.34	2.82	2.38	1.44	1.44	2.57	1.72	1.85	2.88	30.93
76	2.94	1.88	1.78	3.24	1.87	1.24	2.44	1.44	2.44	4.18	2.44	2.91	35.78
77	1.71	1.48	3.21	3.78	1.42	3.78	1.68	2.24	1.63	4.18	2.17	3.94	33.44
78	1.63	4.30	1.79	3.62	2.82	4.28	5.78	2.12	2.48	2.18	2.78	3.27	39.78
79													
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NOTE: \* TRACKS OR LESS THAN FULL MONTH  
USAF ETAC (FORM 6460 (2-63))

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/NAC

**DAILY AROUND**

PERCENTAGE FREQUENCY OF  
 WINDS FROM EACH QUADRANT

222221 NIAGARA FALLS NY 21-00, 00-01

WIND	AROUND (KNOTS)														TOTAL NO. OF WINDS	WINDS FROM QUADRANT			
	00-09	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139		140-149	00-90	90-180	180-270
00-09	20.7	32.5	17.2	10.1	5.6	2.5	1.0	.0	.0	.1					67.1	765	17.5	68.9	.0
10-19	27.0	29.0	10.9	12.3	0.7	2.5	1.0	1.0	.0						63.9	678	10.9	37.0	.0
20-29	00.0	20.0	11.0	0.0	2.0	1.0	.0	.0	.0						25.0	700	9.7	20.0	.0
30-39	00.0	11.0	3.0	2.0	1.0	.0	.0								7.0	700	2.0	10.0	TRACE
40-49	00.0	1.0	.1												.1	700	TRACE	.0	.0
50-59	00.0	.0														700	TRACE	TRACE	.0
60-69	00.0															700	.0	.0	.0
70-79	00.0															700	.0	.0	.0
80-89	00.0	.1														600	TRACE	TRACE	.0
90-99	00.0	10.0	0.0	0.0	1.0	1.0	1.0	.0	.0						14.0	711	0.7	37.0	.0
100-109	00.0	10.0	0.0	0.0	1.0	.0	.0	.0	.0						10.0	700	0.0	20.0	TRACE
110-119	21.0	22.0	12.0	10.0	0.0	2.0	1.0	1.0	.0						50.0	700	10.0	11.0	.0
120-129	10.0	12.0	0.0	2.0	1.0	.0	.0	.0	.0						14.0	600	10.0	11.0	TRACE

222221 NIAGARA FALLS NY 21-00, 00-01

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

## SNOWFALL

(FROM DAILY OBSERVATIONS)

725287

NIAGARA FALLS NY

51-53, 58-81

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
51						.0	.0	.0	.0	.0	9.0	4.1	
52	2.3	3.6	1.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	0.0	0.0
53	3.5	2.7	1.0	1.0	.0	.0	.0	.0	.0	.0	7.1	7.4	7.4
54	3.1	3.0	0.0	.1	TRACE	.0	.0	.0	.0	TRACE	.1	0.0	0.0
55	2.7	2.4	3.0	.1	.0	.0	.0	.0	.0	TRACE	3.7	0.5	0.0
56	0.7	0.9	0.0	2.1	TRACE	.0	.0	.0	TRACE	.0	3.6	3.6	0.9
57	0.7	0.3	3.0	3.0	.0	.0	.0	.0	.0	TRACE	.9	2.0	0.7
58	7.6	9.9	1.0	1.0	.0	.0	.0	.0	.0	.0	0.0	2.1	9.9
59	4.3	4.3	0.7	.7	TRACE	.0	.0	.0	.0	TRACE	4.6	4.6	0.7
60	2.6	9.1	0.5	.3	.0	.0	.0						
61										.0	.3	7.1	
62	0.0									2.0	1.2	3.0	
63	3.0	1.7	1.0	.7	.4	.0	.0	.0	.0	.0	3.0	2.0	3.0
64	0.0	3.2	0.0	3.1	.0	.0	.0						
65											TRACE	3.2	
66	.3	.1	.2	2.4	TRACE	.0	.0	.0	.0	2.3	9.6	9.0	9.0
67	0.0	0.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	.9	0.0	0.0
68	1.9	0.1	3.0	1.0	.0	.0	.0	.0	.0	.0	2.3	7.0	7.0
69	2.1	0.0	3.0	0.0	.0	.0	.0	.0	.0	1.2	0.0	0.0	0.0
70	1.7	2.1	0.0	.7	.0	.0	.0	.0	.0	TRACE	2.4	3.0	0.0
71	7.0	4.3	10.0	2.0	TRACE	.0	.0	.0	.0	TRACE	0.0	7.7	10.0
72	.9	2.1	2.0	0.0	.0	TRACE	.0	.0	.0	.0	2.1	0.0	0.0
73	3.0	.0	0.0	.1	TRACE	.0	.0	.0	.0	TRACE	0.9	0.0	0.0
74	0.0	.0	0.0	.7	TRACE	.0	.0	.0	.0	TRACE	1.2	0.0	0.0
75	10.0	7.0	.7	1.0	TRACE	.0	.0	.0	.0	.0	0.0	0.0	10.0
76	0.0	0.0	1.0	0.7	.0	.0	.0	.0	.0	TRACE	0.0	0.0	0.0
77	0.0	.0	0.0	.7	TRACE	.0	.0	.0	.0	TRACE	1.2	0.0	0.0
78	0.0	.0	0.0	.7	TRACE	.0	.0	.0	.0	TRACE	0.0	0.0	0.0
79	0.0	0.0	1.0	0.7	.0	.0	.0	.0	.0	TRACE	0.0	0.0	0.0
80	0.0	0.0	0.0	.3	.0	.0	.0	.0	.0	TRACE	1.3	4.7	0.0
81	1.9	0.0	0.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	0.0	0.0
YEAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

NOTE \* TRACES OR LESS THAN FULL MEASUREMENT

WAFB BRAC

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(0000 00.0)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL

725287 NIAGARA FALLS NY 51-50, 60-01

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
51						.0	.0	.0	.0	.0	28.8	17.7	
52	16.4	8.0	3.7	TRACE	.0	.0	.0	.0	.0	TRACE	.0	18.8	65.8
53	10.3	10.4	2.7	1.2	.0	.0	.0	.0	.0	.0	13.8	7.7	68.0
54	13.5	7.8	21.2	.1	TRACE	.0	.0	.0	.0	TRACE	.1	21.1	61.8
55	12.0	9.1	4.4	.1	.0	.0	.0	.0	.0	TRACE	6.1	24.7	64.0
56	23.7	18.1	19.0	4.0	TRACE	.0	.0	.0	TRACE	.0	7.0	18.9	82.7
57	30.0	8.0	6.9	8.7	.0	.0	.0	.0	.0	TRACE	1.0	8.0	69.0
58	27.7	39.0	7.3	1.2	.0	.0	.0	.0	.0	.0	.0	18.2	91.0
59	21.0	17.2	24.4	.7	TRACE	.0	.0	.0	.0	TRACE	7.3	13.2	64.0
60	12.7	32.2	18.8	.7	.0	.0	.0						
61										.0	.4	17.0	
62	12.3									2.3	1.0	12.5	
63	17.7	8.2	2.4	.7	.4	.0	.0	.0	.0	.0	3.0	16.3	65.0
64	11.0	12.8	10.8	3.5	.0	.0	.0						
65											TRACE	11.0	
66	.9	.2	.2	2.4	TRACE	.0	.0	.0	.0	2.9	12.7	18.2	68.0
67	22.0	18.6	6.8	.5	.0	.0	.0	.0	.0	TRACE	1.9	28.0	66.0
68	12.1	16.0	18.0	1.2	.0	.0	.0	.0	.0	.0	7.8	18.9	68.0
69	16.3	20.2	8.3	8.0	.0	.0	.0	.0	.0	2.2	18.1	18.0	77.7
70	2.9	11.0	11.0	1.1	.0	.0	.0	.0	.0	TRACE	3.8	21.8	51.8
71	16.8	28.7	16.0	5.8	TRACE	.0	.0	.0	.0	TRACE	9.7	19.8	88.0
72	3.6	11.7	4.8	10.0	.0	TRACE	.0	.0	.0	.0	.0	2.2	59.0
73	28.8	2.4	14.4	.1	TRACE	.0	.0	.0	.0	TRACE	9.0	28.6	77.0
74	20.6	5.4	10.2	.0	TRACE	.0	.0	.0	.0	TRACE	9.3	21.0	76.0
75	48.9	29.2	1.1	1.8	TRACE	.0	.0	.0	.0	TRACE	8.6	4.2	84.0
76	32.0	22.9	3.4	6.0	.0	.0	.0	.0	.0	TRACE	TRACE	12.8	78.0
77	7.7	12.1	13.4	.0	.0	.0	.0	.0	.0	TRACE	3.0	28.1	67.0
78	17.8	7.7	9.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	28.2	62.0

MAC/ETAC 484 (SLA)

GLOBAL CLIMATOLOGY BRANCH  
US/PETAC  
AIR WEATHER SERVICE/WAC

**DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF  
WIND DIRECTION  
FROM DAILY OBSERVATIONS

22887 NIAGARA FALLS NY 11668, 48081

WIND	DIRECTION (DEGREES)															TOTAL NO. OF OBS.	WINDY AMOUNTS (PERCENT)							
	000	045	090	135	180	225	270	315	000	045	090	135	180	225	270		315	000	045	090				
000	12.7	10.0	12.9	11.0	9.2	10.0	10.9	6.7													71.0	770		
045	10.9	13.7	11.0	11.0	11.9	10.2	9.8	7.0	3.1												71.0	707		
090	43.0	27.0	10.7	4.9	3.7	4.0	3.0	2.2													39.2	778		
135	09.7	6.2	1.9	.9	.0	.7	.2														4.0	700		
180	99.7	.2	.2																		.2	700		
225	100.0																					700		
270	100.0																					700		
315	100.0																					712		
000	99.6	.0																				700		
045	01.0	9.2	4.3	2.0	1.5	2.0	.7														9.7	700		
090	31.0	10.0	11.0	2.0	1.0	2.0	2.0														32.0	700		
135	70.0	7.0	4.0	2.0	2.0	0.0	2.0	2.0	.0												32.0	700		

NO. OF OBSERVATIONS

C  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

**EXTREME VALUES**  
SNOW DEPTH

FROM DAILY OBSERVATIONS

725207 NIAGARA FALLS NY

51-53, 55-51

DAILY SNOW DEPTH IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51											12	12	
52	6	4	2	0	0	0	0	0	0	TRACE	1	6	6
53	3	4	3	1	0	0	0	0	0	0	7	3	7
54	5	4	10	7	0	0	0	0	0	0	0	2	10
55	5	7	3	0	0	0	0	0	0	0	0	10	10
56	7	7	9	TRACE	0	0	0	0	0	0	1	2	9
57	11	8	3	3	0	0	0	0	0	0	1	2	11
58	10	27	2	TRACE	0	0	0	0	0	0	0	6	27
59	9	6	0	1	0	0	0	0	0	0	0	2	9
60	7	17	20	TRACE	0	0	0	0	0	0	0	0	
61										TRACE			
62	13	0	2	2	0	0	0	0	0	0	1	0	
63	16	14	5	0	1	0	0	0	0	0	3	10	16
64	11	7	6	1	0	0	0	0	0	0	0	0	
65											0	2	
66	7	0	2	2	0	0	0	0	0	0	10	0	10
67	17	10	1	0	0	0	0	0	0	0	1	0	17
68	0	11	6	TRACE	0	0	0	0	0	0	2	0	11
69	7	7	4	0	0	0	0	0	0	0	0	0	7
70	3	6	9	TRACE	0	0	0	0	0	0	0	7	9
71	10	9	11	1	0	0	0	0	0	0	0	7	11
72	1	0	1	0	0	0	0	0	0	0	1	0	1
73	11	3	3	TRACE	0	0	0	0	0	0	1	13	11
74	19	21	3	1	0	0	0	0	0	0	2	19	21
75	23	21	10	TRACE	TRACE	0	0	0	0	0	3	6	23
76	9	27	2	0	0	0	0	0	0	0	0	7	27
77	5	6	5	TRACE	0	0	0	0	0	0	1	0	5
78	10	0	3	0	0	0	0	0	0	0	0	0	10

NOTE: 0 INDICATES SNOW DEPTH LESS THAN FULL MEASUREMENT

USAF FORM 725 1-51 GPO: 1951 O-504-086-00

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

0 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 date 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 row count of valid observations is presented for each month and ALL MONTHS.

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

- \*2. 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 those 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 VBL.

- a. Three tables are prepared for ALL MONTHS 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 HAZE/SMOG 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 3-1/2 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.

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

C  
2

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

725287 NIABARA FALLS NY STATION

58-63

YEARS

DAILY PEAK BUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
58												SW 30	
59	SW 58	SSW 42	WSW 60	WSW 39	SW 34	WSW 40	WSW 48	WSW 42	SW 26	SW 30	WSW 32	WSW 36	WSW 60
60	W 41	SW 37	WSW 38	WSW 32	WSW 23	WSW 30	WSW 32						
61										SSW 33	SE 31	SW 45	
62	SW 45	SW 40	WSW 42	WSW 42	SW 32	SW 34				SSW 39	NE 38	SW 39	
63	SSW 40	SSW 51	SSW 55	WSW 51	SW 49	WSW 29	WSW 32	WSW 38	SW 38		SW 36	SW 40	
MEAN	47.7	39.8	49.0	41.0	40.0	34.0	36.7	36.8	32.0		33.7	30.8	
S.D.				7.87	12.87							6.29	
TOTAL OBS	126	105	140	180	192	152	117	62	60	59	110	152	1221

NOTES: \* BASED ON LESS THAN FULL MONTHS!

USAF ETAC FORM 20-58 (4-66) (10L A) \* BASED ON LESS THAN FULL MONTHS AND +100 KNOTS!

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION NO.

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNOTS) 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	1.3	.1							3.8	10.2
NNE	.2	.7	.4									1.3	5.5
NE		.4	.5	.8	.5							2.2	12.0
NNE	.4	1.0	.5	.8	.4	.1						3.1	9.7
E	.7	3.3	2.5	1.6	.4							8.5	8.0
ESE	.1	1.3	1.6									3.0	6.6
SE	.1		1.0									1.1	7.9
ESE	.2	.8	.8	.1	.1							2.2	7.3
S	.2	1.9	3.3	2.0	.5	.2						8.2	9.8
SSW	.2	.6	1.3	1.9	.2	.1						4.4	10.7
SW	.5	1.7	1.9	4.2	1.7	.2	.1	.2				10.5	12.9
WSW	.5	1.1	3.2	8.1	2.5	1.4	.1	.1				17.1	13.7
W	.4	1.1	4.9	10.4	2.5	.6	.1					20.0	12.8
WNW	.4	1.1	2.0	2.2	.7							6.3	10.5
NW		.4	1.7	.8	.1							3.0	9.7
NNW		1.2	.7	.5	.4	.4						3.1	11.1
VALE													
CALM												2.3	
	3.9	17.3	27.8	38.8	10.0	3.1	.8	.8				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

725287 STATION NIAGARA FALLS NY 73-81 YEARS 1973-1981

ALL WEATHER  
CLASS

0300-0500  
TIME (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	1.0	.4	1.4	.1							3.2	9.0
NNE	.2	.4	.4	.4								1.3	7.4
NE		1.0	.2	.2	.2	.1						1.4	9.4
ENE	.5	1.6	1.7	1.1	.5	.4						5.6	9.5
E	1.1	2.2	2.3	1.7	.4							7.5	8.1
ESE	.1	.4	.7	.1								1.3	7.2
SE		.7	.4									1.1	6.1
SSE	.1	.6	.4	.2	.1	.1						1.4	9.5
S	.1	3.0	1.6	2.7	1.0							8.4	9.4
SSW	.2	1.1	1.2	2.7	.4							5.0	10.4
SW		1.6	2.3	4.4	1.4	.2	.4					10.3	12.7
WSW	.1	2.0	2.9	7.9	2.4	1.2	.5	.1				17.3	13.4
W	.2	1.3	6.4	9.3	3.1	.7						21.3	12.4
WNW		.7	2.4	1.4	.5	.1						5.1	10.7
NW	.4	.4	1.7	1.1	.1	.1						3.7	9.5
NNW	.1	.2	1.1	1.3								2.7	10.5
VARBL													
CALM												2.7	
	3.6	17.9	25.8	35.5	10.4	3.0	.4	.1				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 837

7922

GLOBAL CLIMATOLOGY BRANCH  
 US4FETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
TIME (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	1.6	1.6								4.1	9.4
NNE		.7	.1	.2	.1	.1						1.3	9.6
NE	.2	.5	1.0		.2	.1						2.0	9.6
NNE	.1	1.6	1.9	1.0	.2							4.8	8.6
E	.4	2.4	3.0	2.3	.2							8.2	8.8
ESE		.6	1.0	.8								2.4	9.0
SE		.5	.2									.7	6.0
SSE		.8	.5	.1	.1							1.6	7.4
S	.7	2.9	2.5	3.1	1.3	.2						10.8	10.1
SSW	.1	.8	2.3	1.1	.6							4.9	9.8
SW	.1	1.7	1.9	3.2	1.7	.4	.1	.1				9.2	12.7
WSW	.2	.7	1.8	8.7	2.5	1.2	.4		.2			15.8	15.1
W	.1	2.7	5.7	9.1	2.6	.6						20.9	12.0
WNW	.2	.6	1.2	1.8	.6	.2						4.3	11.8
NW		.7	1.4	1.1	.4							3.6	10.5
NNW		.1	1.1	1.6	.1							2.9	11.3
VARIABLE													
CALM												2.6	
	2.4	18.2	27.1	35.2	10.8	2.9	.5	.1	.2			100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725287 STATION NIAGARA FALLS NY 73-81 WEATHER ALL WEATHER MONTH JAN PERIOD 0900-1100 (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		.8	1.2	2.5								6.5	10.2
NNE		.2	.7	.5	.2							1.7	10.6
NE		.4	.7	.5	.5							1.6	11.1
ENE	.6	1.1	1.6	1.1	.2							6.5	8.2
E	.5	2.6	3.2	2.3	.1							8.7	8.5
ESE	.1	1.1	1.3	.5								3.0	7.5
SE		.6	1.1	.8								2.0	8.2
SSE		.7	.6									1.3	6.5
S	.4	1.2	2.7	8.2	1.0	.1						9.6	11.8
SSW	.2	.7	1.2	2.0	.7							6.9	11.1
SW		.5	2.2	8.8	1.1	.6	1.0	.1				9.8	18.6
WSW		.7	1.8	7.3	3.7	1.6	.2	.2				15.2	15.7
W	.1	1.8	8.3	11.8	2.5	1.1						20.8	13.1
WW	.1	.5	1.1	1.7	.8	.1						3.8	11.8
NW		.1	1.7	2.3	.8							6.8	11.9
NNW		.7	1.1	1.3								3.1	10.3
VARBL													
CALM												1.1	
	2.0	13.8	26.0	41.7	10.8	3.5	1.2	.8				100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 837

7933

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1800  
TIME (L.A.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	≥26	%	MEAN WIND SPEED
N	.1	1.2	1.8	1.4								4.5	8.9
NNE	.2	.9	.9	.1	.2							1.3	9.1
NE	.2	.5	1.0	.5	.2							2.8	9.3
NNE		1.2	2.4	1.9	.1							5.8	9.4
E	.4	1.1	2.9	2.0								6.3	9.1
ESE		.1	1.3	.2								1.7	8.3
SE	.1	.2	.5	.1								1.0	6.9
SSE	.1	.2	.2	.1								.7	7.5
S	.2	1.0	1.6	2.3	.5	.1						5.8	10.8
SSW		.1	1.2	3.3	.7							5.4	12.9
SW		.7	1.6	6.9	3.0	.7	.7	.1				13.7	15.3
WSW		1.0	1.6	7.0	4.1	2.0	.7	.9	.1			16.8	16.6
W	.2	.6	2.6	11.0	2.7	1.8	.1					19.1	19.3
WNW		.5	1.7	3.3	1.0	.9						6.8	13.3
NW		.9	1.8	1.8	.5							4.9	11.3
NNW	.1	.8	1.1	2.2								3.7	10.7
VARS													
CALM												.8	
	1.8	9.8	23.8	88.3	13.0	5.0	1.8	.5	.1			100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

JAN  
MONTH

ALL WEATHER  
TYPE

1500-1700  
TIME PERIOD

DESCRIPTION

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	1.9	.6								1.2	0.1
NNE	.1	.7	.8	.2								1.8	0.5
NE	.1	.6	1.6	.8	.8							3.0	0.1
NNE	.2	1.1	2.6	1.8	.1							5.9	0.1
E	.1	1.0	3.3	1.9								6.3	0.2
ESE		.1	1.1	.2								1.8	0.9
SE			.5									.8	0.5
ESE		.5		.2								.7	0.8
S	.1	1.7	1.6	1.3								6.7	0.5
SSW		.2	1.3	2.5	.6							6.7	12.8
SW		.1	2.9	6.3	1.9	.2	1.2	.8	.2			13.3	16.1
WSW	.8	1.6	1.7	8.0	8.9	1.6	.2					18.3	18.7
W		1.6	3.9	10.3	14.0	1.0	.2					20.0	13.8
WSW	.1	.8	1.9	1.9	1.0	.6						5.9	13.2
WW		.7	1.7	2.6	.5	.1	.8					6.0	12.5
WNW	.1	.5	1.8	1.8	.1							3.6	0.7
VARB													
CALM												1.2	
	1.3	11.8	27.8	38.8	13.8	3.8	2.0	.8	.2			100.8	13.8

TOTAL NUMBER OF OBSERVATIONS

036

07934

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287

NIAGARA FALLS NY

73-81

JAN

ALL WEATHER

1800-2000  
GMT (L.A.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.3	1.1	1.3								5.3	7.0
NNE	.2	1.1		.1								1.4	3.9
NE	.1	.7	.1	.2								1.2	7.0
NNE	.4	1.7	1.6	1.7								5.3	8.3
E	.5	1.6	4.7	1.9								8.6	8.6
ESE	.1	.7	.7	.1								1.7	6.6
SE	.2	.7	.6	.2								1.8	6.9
ESE	.1	.8	.4	.1	.1							1.6	6.9
S	.1	2.5	1.6	1.9	.2							5.9	8.3
SEW		1.0	1.2	2.5	.2	.2	.1					3.3	12.0
SW		.8	2.9	3.3	.7	.7		.2				8.7	13.3
WSW	.2	.6	2.9	6.8	8.8	1.3	.7					17.3	15.3
W	.2	1.9	4.3	12.1	3.3	.6	.1					22.6	12.9
WSW		.8	1.8	1.9	.5	.8						3.1	12.2
SW		.4	1.1	2.0	.6	.6						4.6	13.1
WSW		.2	1.2	1.1								2.5	10.2
VARS													
CALM												1.4	
	2.9	17.8	25.6	16.9	10.5	3.7	1.8	.2				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 877

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287

NIAGARA FALLS NY

73-81

JAN

ALL WEATHER

2100-2300

SPEED (KNOTS) 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	1.3	1.2	1.8	.2							6.7	9.8
NNE		.5	.1									.6	5.0
NE	.8	.5	.2	.7	.5							2.3	10.0
NNE	.6	1.3	.6	1.6								9.1	8.8
E	.8	3.5	2.8	2.7								9.0	8.2
ESE	.1	1.1	1.9									3.1	7.2
SE	.1	1.0	.6	.2								1.9	6.6
SSE	.1	1.2	.8									1.7	5.8
S	.5	1.6	1.7	2.2	.1							6.0	9.1
SSW	.2	.8	.7	2.2	.1	.8						3.9	11.9
SW	.1	1.0	2.2	3.8	1.0	.8	.1	.6				8.7	13.8
WSW	.2	1.2	2.7	8.8	3.3	1.9	.1					17.9	18.5
W	.8	1.0	5.0	10.6	3.1	.7						20.8	12.9
WWW		.8	1.6	1.9	1.0							5.3	11.8
W		.1	1.8	1.7	1.2	.2						6.7	13.8
WSW		.2	1.7	1.1	.2	.1						3.3	11.1
VAR												2.2	
	1.3	14.5	28.8	38.8	18.8	3.2	.8	.6				108.0	11.3

TOTAL NUMBER OF OBSERVATIONS

817

7935

2  
0  
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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

725287 NIAGARA FALLS NY 73-81 JAN

ALL WEATHER  
CLASS  
DESCRIPTION

ALL  
MONTH (L.G.V.)

SPEED (KNOTS) 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	1.3	1.5	.1							6.2	9.1
NNE	.1	.6	.3	.2	.1	.0						1.3	7.7
NE	.1	.6	.7	.4	.3	.0						2.0	9.8
NNE	.3	1.3	1.6	1.9	.2	.1						9.9	8.9
E	.5	2.2	3.0	2.0	.1							7.9	8.5
ESE	.1	.7	1.2	.3								2.2	7.6
SE	.1	.5	.6	.1								1.3	7.0
SSE	.1	.7	.4	.1	.1	.0						1.4	7.2
S	.3	2.0	2.1	2.4	.4	.1						7.4	9.9
SSW	.1	.6	1.3	2.2	.4	.1	.0					9.8	11.9
SW	.1	1.0	2.2	4.5	1.6	.4	.0	.2	.0			10.5	14.0
WSW	.2	1.1	2.3	7.8	1.6	1.5	.4	.1	.0			17.0	19.9
W	.2	1.4	4.7	10.5	2.9	.9	.1					20.7	13.8
WSW	.1	.7	1.7	2.0	.7	.2						5.3	11.9
W	.0	.4	1.6	1.7	.4	.1	.0					6.3	11.7
WNW	.0	.4	1.2	1.3	.1	.1						2.1	10.6
VAR													
CALM												1.8	
	2.6	15.2	26.0	28.3	11.1	3.5	1.0	.3	.1			100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 6688

USAFETAC FORM 86-5 (81-1) 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)**

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

FEB  
MONTH

ALL WEATHER  
CLASS

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

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	206	%	MEAN WIND SPEED
N	.8	.7	2.0	2.8	.1							5.5	10.3
NNE	.3	.8	.7	.5								1.8	8.6
NE	.1	.5	1.6	1.3	.3							3.8	9.9
NNE	.7	1.3	1.6	1.6	.3							5.8	8.5
E	.8	3.5	2.8	2.1	.1							9.3	7.8
ESE	.1	1.7	.7	.1								2.6	6.0
SE	.1	.8	.8									.9	6.3
ESE		.5	.1									.7	5.8
S	.1	2.9	2.8	1.8	.3		.1					8.0	8.6
SEW		2.1	2.5	1.8	.5							6.8	9.3
SW	.8	1.0	8.3	3.9	.7	.3						10.8	10.9
WSW		.8	3.8	6.8	2.2	.8	.3					18.3	13.6
W	.3	2.1	8.2	5.9	1.8	.8	.3					18.3	11.5
WWW	.1	.8	1.6	.7	.8	.3						3.9	11.9
NW	.8	1.0	1.8	1.8	.1							8.9	9.8
NNW	.1	.7	2.0	1.8								8.2	9.7
VARIABLE													
CALM												3.1	
	17.8	20.2	31.8	31.8	8.8	.7	.8					108.0	8.8

TOTAL NUMBER OF OBSERVATIONS

742

7936

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287

NIABARA FALLS NY

73-81

FEB

ALL WEATHER

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

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-20	21-27	28-30	31-40	41-50	41-50	2-6	%	MEAN WIND SPEED
N	.5	1.8	1.8	2.8								5.9	9.2
NNE	.4	.5	.9	.3								2.1	7.0
NE		.8	1.3	1.2								3.3	9.3
NNE	.9	1.2	1.0	1.6	.1							4.9	8.8
E	.7	3.1	2.9	2.8								8.7	8.8
ESE		1.4	.4	.1								2.0	6.1
SE	.4	1.2	.5									2.1	5.8
ESE	.1	.5	.8		.3							1.3	8.5
S	.5	3.3	2.2	1.3	.3							7.6	7.8
SEW	.5	1.7	2.5	2.6	.8							7.7	9.5
SE	.5	.8	3.3	4.1	1.0	.5						10.2	11.5
SEW	.3	.8	3.5	4.7	1.9	1.2						11.8	12.3
S	.3	2.5	5.5	7.1	1.7	.8	.1					17.6	11.3
SWW	.1	1.0	.8	2.2	.8	.8						5.1	12.0
SW	.5	.8	.9	.8	.1	.1						3.2	9.8
SWW	.3	1.3	1.3	1.3								4.2	8.8
VARIABLE													
CALM												2.6	
	6.8	22.8	28.8	12.1	5.7	2.8	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287

NIAGARA FALLS NY

73-81

FEB

ALL WEATHER

DDO-DDO  
 (REV. 1)

WIND DIRECTION	1-3	4-6	7-10	11-14	17-21	23-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.5	.9	1.7								3.7	9.8
NNE	.1	.7	.5	.5								1.8	8.1
NE	.1	.8	1.8	1.0								3.8	9.2
NNE	.3	1.2	.9	1.3	.1							3.8	8.8
E	.8	3.1	2.8	2.6								9.3	8.1
ESE		1.8	.8	.3								2.5	6.8
SE	.1	.8	.8	.1								1.8	6.8
SSE	.1	.3	1.0									1.8	7.0
S	.3	3.1	2.8	2.2	.5							8.9	8.9
SSW	.3	2.1	2.5	2.0	1.3							8.1	10.1
SW	.8	1.7	1.6	5.0	.5	.1						9.3	11.8
WSW		.9	2.1	5.6	1.2	1.0	.1					11.0	13.3
W	.8	2.5	5.1	6.7	1.0	.1						16.3	10.3
WSW	.8	1.7	1.8	1.3	.5							5.8	9.5
W		1.0	1.0	3.0	.1							5.2	10.9
WSW		.8	.7	1.2	.1							2.8	10.2
VAR													
CALM												5.1	
	4.2	22.7	26.8	28.6	8.8	3.0	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 262

7937

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725207

NIAGARA FALLS NY

73-81

FEB

ALL WEATHER

0900-1100  
MOON (L.A.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.7	1.8	1.8								4.1	10.0
NNE	.1		1.0	.7								1.8	9.9
NE	.1	.3	1.9	1.0	.3							3.1	10.2
NNE	.8	1.0	1.0	1.2	.3							4.3	8.9
E	.7	1.7	3.5	2.2								8.1	8.9
ESE		.8	.9	.1								1.8	7.2
SE		.4	.1	.1								.7	7.9
SSE	.1	.1	.5	.7	.1	.1						1.7	11.3
S	.9	1.8	2.2	3.8	.4		.1					9.3	9.8
SSW	.1	.9	2.5	3.1	.8							7.5	11.2
SW	.1	.4	3.3	5.4	1.4	.4						11.0	12.5
WSW	.1	.5	2.1	5.7	1.8	.1	.5					11.9	13.9
W	.3	.9	3.4	7.5	2.4	.1						14.4	12.4
WWW	.5	1.7	2.5	1.2	.8							6.3	8.7
NW		.8	2.2	3.3	.3							6.2	11.5
NNW		1.0	1.3	1.4	.5							4.5	10.6
VARS													
CALM												3.0	
	8.1	12.7	29.7	40.8	8.7	.8	.7					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION NIAGARA FALLS NY 73-81 YEAR FEB MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.8	2.8	1.8								8.6	9.2
NNE	.1		1.0	1.2								2.8	10.0
NE	.3	.8	1.6	.9	.3							3.8	9.3
ENE	.4	1.7	2.1	1.6								5.8	8.8
E	.7	1.2	1.6	1.7								5.1	8.5
ESE		.3	.5	.8								1.2	8.1
SE	.1	.1	.8	.1								.8	7.8
SSE	.8	.3	.5	.1		.8						1.7	11.1
S	.3	.9	1.3	3.3	.8	.1						6.3	11.3
SSW		.7	1.6	2.1	.1	.1						8.6	11.4
SW		.5	2.8	7.9	1.6	1.0						13.8	13.8
WSW	.1	.4	2.0	6.6	2.6	1.0	.4					13.1	14.7
W	.3	.5	2.0	5.9	3.7	1.8						13.8	14.7
WNW		1.3	3.3	3.7	.8	.1						8.8	10.7
NW	.1	1.8	2.8	8.3	.5							9.2	10.9
NNW		.8	1.2	1.7	.1	.1						3.9	10.3
VARIABLE													
CALM												2.0	
	2.8	11.3	26.5	82.9	9.7	8.5	.8					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 762

1938

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATM WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

FEB  
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	.7	.8	1.8	1.2								4.5	8.5
NNE	.1	.5	.8	.7								2.1	8.5
NE		.8	1.6	1.6	.1							4.1	9.7
NNE		1.6	3.9	1.8	.3							7.6	9.1
E	.3	1.2	1.6	1.3								4.3	8.2
ESE	.1	.3	.1	.1								.7	6.8
SE			.4									.4	8.3
SSE		.3	.8	.3								1.3	8.6
S	.1	1.0	1.4	2.1	.1	.4						5.2	10.5
SSW		.5	2.4	1.2	.3	.3	.1					4.7	11.2
SW		.5	2.6	7.5	3.4	.5						14.6	13.8
WSW		.3	3.1	8.3	2.5	1.2	.5	.1				16.0	14.7
W	.1	.7	3.4	7.1	2.2	.9						14.4	13.4
WW	.1	.4	3.1	3.0	.9							7.6	11.6
NW	.1	1.6	2.8	2.9	.3							7.6	9.9
NNW	.1	.8	1.6	1.6	.3							4.3	10.3
VARR													
CALM												.5	
	1.8	11.2	31.5	40.6	10.8	3.3	.7	.1				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 25287 NIAGARA FALLS NY YEAR 73-81 PERIOD FFR  
STATION NAME YEAR PERIOD  
 CLASS ALL WEATHER 1800-2000  
CLASS GROUP (L.S.V.)  
 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	.7	1.8								2.9	9.8
NNE	.3	.8	.7	.3								1.6	7.0
NE	.8	1.2	1.2	.9	.1							3.8	6.5
NNE	.5	2.5	2.4	2.5	.1							8.0	8.7
E	.7	2.2	1.8	1.8	.3							6.4	8.1
ESE	.1	.7	.5	.3								1.6	7.1
SE		.4	.8	.1								1.3	8.5
SSE		.8	.5		.1							1.9	7.5
S	.4	3.7	2.0	1.6	.4							8.0	8.0
SSW	.3	.5	1.8	1.3								3.9	9.8
SW	.1	1.3	5.6	6.2	.9	.8						15.0	11.6
WSW	.5	1.3	3.0	7.5	2.8	1.8	.1					16.3	13.8
W		1.3	3.3	5.8	2.2	.7						13.3	12.8
WNW	.3	1.2	1.6	1.8	.9	.1						5.9	11.0
NW	.1	1.2	.9	2.2	.5							5.0	11.3
NNW		.3	.9	2.6								3.8	11.5
VARB													
CALM												1.8	
	3.7	19.7	27.7	36.0	8.0	3.0	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 762

7989

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

705287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

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	.3	.8	1.6	1.3	.1	.1						4.2	10.1
NNE	.4	.1	.3	.8								1.6	9.5
NE	.4	.4	.4	.7	.1	.1						2.1	9.3
ENE	1.0	1.8	2.0	1.6	.1							6.6	7.8
E	.8	4.2	2.4	2.0								9.3	7.4
ESE	.3	1.0	.7									2.0	5.9
SE	.3		.9	.1								1.3	7.8
SSE	.1	1.7	.1	.1			.1					2.2	6.9
S	.7	3.8	2.5	.9	.1	.1	.1					8.3	7.7
SSW		.8	1.8	1.8	.8							4.9	10.8
SW	.1	.5	4.2	3.3	1.6	.3						10.0	12.1
WSW	.3	1.0	5.1	4.5	2.6	1.3	.8					15.2	13.3
W	.5	2.5	3.8	7.0	2.0	.3	.1					15.7	11.8
WNW	.1	.7	1.6	1.2	.8	.3						4.2	11.0
NW		.5	1.7	2.2	.8							4.9	11.2
NNW	.1	1.0	.9	2.2	.8							4.7	10.6
VARBL													
CALM												2.9	
	5.4	21.0	29.5	29.7	8.3	2.5	.8					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION NIAGARA FALLS NY STATION NAME 73-81 YEAR FEB MONTH  
 ALL WEATHER CLASS ALL SUBS (U.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	1.5	1.7	.0	.0						4.8	9.6
NNE	.2	.3	.7	.6								1.9	8.6
NE	.2	.6	1.8	1.1	.1	.0						3.8	9.8
ENE	.6	1.5	1.9	1.6	.2							5.8	8.5
E	.7	2.5	2.3	2.0	.0							7.6	8.0
ESE	.1	1.0	.6	.2								1.8	6.6
SE	.1	.8	.5	.1								1.1	7.0
SSE	.1	.6	.5	.1	.1	.1	.0					1.5	8.5
S	.8	2.6	2.1	2.1	.3	.1	.0					7.7	8.9
SSW	.1	1.2	2.2	2.0	.5	.0	.0					6.0	10.3
SW	.2	.9	3.8	5.8	1.8	.5						1.8	12.3
WSW	.2	.8	3.1	6.3	2.0	1.0	.3	.0				13.7	13.7
W	.3	1.6	3.8	6.6	2.5	.5	.0					15.0	12.2
WNW	.2	1.1	2.0	1.9	.5	.2						5.9	10.8
NW	.2	1.0	1.7	2.6	.3	.0						5.8	10.6
NNW	.1	.8	1.2	1.7	.2	.0						8.1	10.2
VARBL													
CALM												2.6	
	8.0	17.7	28.0	36.0	7.7	2.6	.8	.0				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 6086

7940

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.G.V.)

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	1.1								3.1	9.3
NNE	.8	.6	.6	.6								2.6	6.8
NE	.4	1.2	1.1	.9								3.0	7.0
NNE	.4	1.7	1.8	1.2	.1							5.1	8.1
E	1.3	4.2	3.6	2.9	.4							11.8	7.7
ESE	.1	1.0	1.1	.1								2.3	6.3
SE	.4	.5										.8	4.3
SSE	.5	.4	1.0	.6								2.4	8.1
S	.6	3.3	3.0	2.3	.1	.1						9.4	8.9
SSW	.2	1.9	1.9	2.2	.1							6.3	8.8
SW	.1	1.2	5.6	3.2	.4	.1						10.6	9.9
WSW	.1	1.4	3.5	3.1	.7	.1						9.0	10.5
W	.4	2.5	3.3	4.8	.8	.2						11.8	10.8
WSW	.4	1.3	2.8	2.9	.6							7.5	10.6
WW	.1	.7	1.7	3.3	.2	.1						6.2	11.6
WNW	.4	.5	1.1	1.2	.2							3.3	9.6
VARIABLE													
CALM												4.5	
	6.2	22.8	33.0	29.0	3.7	.7						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 237

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
TIME (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	.7	1.7	1.3	.1							4.3	8.2
NNE		.5	.5									1.0	6.8
NE	.6	.8	.7	.8								2.5	6.6
NNE	.8	2.6	1.8	2.2	.1							7.5	8.1
E	.7	3.8	3.5	2.8								10.8	7.8
ESE		1.0	1.8	.8								2.7	7.5
SE	.1	.8	.8	.2								1.1	7.2
SSE	.2	1.2	.8	.6								2.9	7.6
S	.6	2.0	3.0	1.3								6.9	7.8
SSW	.8	1.9	2.6	2.6	.2							7.8	9.3
SW		2.5	8.3	3.9	.8	.2						11.8	10.0
WSW		1.8	2.9	2.6	.5	.1						7.5	10.6
W	.2	1.7	8.5	5.9	.8	.1						13.3	10.9
WW	.6	1.7	1.0	2.2	.7							6.1	10.3
NW	.6	.6	1.2	1.9	.5							8.8	10.5
NNW	.1	1.1	1.1	2.0	.2							8.5	10.5
VARBL												5.4	
CALM													
	5.5	23.9	31.3	28.8	3.6	.5						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 837

7941

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.2	.6	1.9	.2							1.9	9.1
NNE	.8	.8	.8	.9								2.9	6.3
NE	.1	.5	.8	1.0		.1						2.5	10.0
NNE	.6	1.8	1.7	2.3	.1							6.5	8.7
E	.2	1.9	3.2	3.5	.1	.1						6.6	9.8
ESE	.4	1.9	.7	.6		.1						3.2	7.8
SE		.9	.5	.8								1.3	9.2
SSE	.5	1.0	.5	.6	.1							2.6	7.6
S	.4	2.9	3.6	1.7								8.0	8.0
SSW	.4	1.6	2.5	2.9	.1							6.9	9.1
SW	.2	2.5	3.6	5.6	.2	.2						12.9	10.3
WSW	.9	1.9	2.9	2.7	.6							8.0	9.8
W	.2	1.3	3.2	4.5	1.0							10.3	11.0
WW	.8	1.0	1.6	3.2	.9	.2						6.7	11.9
NW	.5	1.3	1.1	3.2	.6	.2						6.9	11.0
NNW	.1	.8	.7	1.9	.1							3.2	10.1
VARS													
CALM												6.0	
	5.6	21.3	27.8	35.0	3.6	1.1						108.8	9.1

TOTAL NUMBER OF OBSERVATIONS

887

2  
 GLCRAI CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
AIRPORT

73-81  
YEAR

MAR  
MONTH

ALL WEATHER  
TYPE

0900-1100  
TIME (L.M.T.)

SPEED (MPH) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	2-6	%	MEAN WIND SPEED
N	.2	.5	.7	1.6		.1						3.1	10.8
NNE	.1	.2	.4	.6								1.9	7.6
NE	.8	.9	.8	1.8	.1							3.1	9.8
NNE	.5	1.6	1.8	3.3	.1	.1						7.8	9.8
E	.8	1.1	2.3	3.8	.2							7.8	10.8
ESE	.2		.7	.7								1.7	9.6
SE		.5	.8									1.3	7.1
ESE	.1	.8	1.8	.8	.1							3.1	9.3
S	.8	1.8	2.6	8.3	.8							9.8	10.2
SEW	.2	.7	1.9	2.6	.8							6.3	11.8
SE		1.8	2.9	8.3	1.8	.1						12.2	12.2
SEW	.1	1.0	2.5	8.9	.8	.8						9.6	12.1
W	.1	.1	2.2	8.3	1.1	.8						9.2	13.2
WSE		1.2	1.9	8.8	1.1	.1						9.1	12.8
SW	.2	.7	1.9	3.8	.7	.8						7.0	12.8
WSW	.8	1.8	1.1	1.7	.2	.2						5.8	9.3
VAR													
CAL												2.4	
	3.8	14.8	28.8	88.8	6.8	2.2						100.8	10.8

TOTAL NUMBER OF OBSERVATIONS

832

7962  
 0

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287

NIAGARA FALLS NY

73-81

MAR

ALL WEATHER

1200-1400

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	1.9	.5	.1							3.1	8.5
NNE	.1	.9	1.3	.6								2.9	9.0
NE	.9	1.3	1.2	1.6	.1	.2						4.8	9.6
NNE		1.8	2.4	2.4	.9	.1						7.0	9.9
E	.1	1.3	2.5	2.7	.1							6.8	9.8
ESE		.1		.5								.6	11.2
SE	.2	.2	.4	.4								1.2	8.2
SSE		.6	.4	.6	.1							1.7	9.8
S	.5	1.0	2.0	4.9	.7							9.1	11.9
SSW	.1	1.1	1.1	2.6	.8	.4						6.1	11.9
SW		.8	1.8	7.4	1.9	.8						12.7	14.0
WSW		.5	1.3	5.3	1.6	.8	.1					9.6	13.8
W	.1	.7	1.4	6.8	1.6	.8		.1				11.6	13.9
WWW		1.2	2.3	5.3	1.6	.2						10.5	12.6
NW	.1	1.0	1.8	9.1	.6	.4	.1					8.0	12.8
NNW	.1	.2	1.0	1.9	.4	.1						3.7	11.7
CALM	X X X X X X X X X X X X											1.6	
	1.8	12.7	22.7	47.8	9.8	3.9	.2	.1				100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 NIAGARA FALLS NY 73-81 MAR  
STATION NAME DATE TIME  
ALL WEATHER 1500-1700  
CLASS PERIOD (L.O.T.)  
OBSERVER

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	.7	.1	.2						8.2	10.3
NNE		.7	2.5	.7								3.9	8.9
NE	.1	.5	2.2	1.8	.8	.1						5.0	10.7
NNE	.5	2.4	2.7	2.4	.8	.1						8.7	9.4
E	.2	1.2	2.3	1.7								5.8	9.1
ESE		.1	.8	.2								1.0	9.3
SE	.1	.2	.8	.2								1.0	8.3
ESE		.5	.2	.8	.1							1.7	10.6
S	.1	1.6	1.9	2.2	.1							5.9	9.6
SSE	.2	.8	2.2	2.8	1.0							6.2	11.3
S	.1	.7	2.6	5.6	2.3	.8						11.7	13.2
SSW	.1	.8	1.7	6.6	3.8	.7	.2					11.9	16.0
W		.5	1.9	5.9	2.0	.7	.1					11.3	16.1
WSW		1.1	1.3	3.7	2.3	.8						9.2	16.0
W	.2	1.0	2.8	8.2	3.8	.1						8.5	11.8
WSW	.1	.2	1.7	1.3	.7	.1						8.2	11.6
YARD													
CALM												.5	
	2.0	12.8	28.6	48.8	12.3	2.3	.8					100.8	11.8

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM 8-6-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

7963

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIF WEATHER SERVICE/HAC

# SURFACE WINDS

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

725287

NIABARA FALLS NY

73-81

MAR

ALL WEATHER

1800-2000  
(L.S.T.)

SPEED (KNOTS) Dir.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.6	2.2	.7	.9	.2						5.7	8.3
NNE	.2	1.0	1.7	.1	.1							3.1	7.7
NE	.9	2.7	2.0	.5								5.6	7.0
NNE		3.1	2.7	1.7	.9							7.9	8.5
E	.1	1.9	2.2	1.6		.1						5.9	8.8
ESE	.1	.5	.9	.1								1.1	8.9
SE		.9	.9	.5								1.2	9.5
ESE	.2	.7	.8	.9								2.2	7.2
S	.1	2.5	3.1	1.7	.1							7.5	8.6
SEW		1.9	2.2	1.8	.1							6.0	9.1
SE		1.9	3.1	3.8	.6			.1				13.9	11.1
SEW	.5	1.2	2.6	3.1	1.2	.2	.1					9.9	11.9
W	.1	1.2	1.9	3.1	1.7	.7	.1					10.9	13.5
WSW		.8	2.2	2.5	1.8	.8						8.6	13.0
SW	.1	1.2	1.8	2.3	.6							5.1	10.9
WSW		1.0	1.3	1.8	.6	.1						5.9	11.1
VARIABLE													
CALM												1.6	
	2.6	22.6	11.7	20.6	7.5	2.2	.2	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

437

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 NIAGARA FALLS NY 73-81 MAR  
STATION NUMBER STATION NAME YEAR  
ALL WEATHER 2100-2300  
UNIT (L.E.T.)  
ORIGIN

SPEED (KNOTS) 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	1.6	1.8	.6	.1							3.9	7.8
NNE	.5	.7	.7									1.9	5.9
NE	.8	1.2	1.8	.8								3.5	6.9
NNE	.5	2.2	1.8	1.8								5.9	7.8
E	.6	8.1	3.1	2.2	.8							10.3	8.2
ESE	.8	1.0	1.9	.1								3.3	7.0
SE		.7	.8	.2								1.3	6.9
ESE	.2	.8	.8	.5								2.8	7.1
S	.2	3.3	3.2	2.2	.8							9.3	8.6
SEW	.5	1.6	2.6	2.2	.2							7.0	9.1
SW	.2	2.0	8.1	3.1	.6	.1						10.2	9.7
WSW	.1	1.0	1.8	2.5	.6	.1						6.2	10.8
W	.8	1.7	3.8	8.8	1.9	.1	.1					12.8	11.6
WSW		1.8	3.0	2.0	1.0	.2						8.0	10.9
WW	.1	.8	1.6	2.6	.6	.8						6.1	11.7
WSW	.8	.8	1.1	2.3	.6							6.7	11.5
YARR													
CALM												3.6	
	8.7	28.7	33.8	26.6	6.3	1.8	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 837

7964

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (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	.9	1.5	1.0	.1	.1						3.9	9.0
NNE	.3	.7	1.1	.4	.0							2.5	7.5
NE	.3	1.1	1.3	.9	.1	.1						3.7	8.5
NNE	.4	2.1	2.1	2.1	.2	.0						7.0	8.9
E	.5	2.4	2.8	2.5	.1	.0						8.3	8.8
ESE	.1	.6	.9	.3		.0						2.0	7.6
SE	.1	.4	.4	.3								1.1	7.7
SSE	.2	.7	.7	.6	.1							2.4	8.3
S	.4	2.2	2.8	2.6	.2	.0						8.2	9.1
SSW	.3	1.4	2.1	2.4	.4	.0						6.6	10.0
SW	.1	1.6	3.7	5.1	.9	.3		.0				11.8	11.4
WSW	.2	1.1	2.3	4.0	.9	.3	.1					9.0	12.0
W	.2	1.2	2.8	5.3	1.4	.4	.0	.0				11.3	12.3
WNW	.2	1.3	1.9	3.8	1.2	.3						8.2	12.0
WW	.3	.9	1.5	3.1	.6	.2	.0					6.6	11.6
WNW	.3	.7	1.1	1.7	.4	.1						8.2	10.7
VARS													
CALM												3.2	
	8.0	19.4	29.2	35.5	6.7	1.9	.1	.0				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 6696

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

APR  
MONTH

ALL WEATHER  
CLASS

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

OBSERVATION

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	2.0	1.5	.5	.2							4.8	7.6
NNE	.1	.8	.9	.8	.2							2.0	9.7
NE	.1	.5	.6	.9	.1							2.2	9.9
NNE	.1	2.0	1.8	1.8	.8							5.2	8.8
E	.8	1.5	4.3	.7	.8							7.3	8.1
ESE		.9	1.2	.2								2.3	7.3
SE	.2	.5	.5									1.2	5.9
SSE	.2	1.0	.2									1.5	8.9
S	1.5	5.8	3.0	1.0								10.9	6.2
SSW	.6	3.6	2.6	1.8	.1	.1						8.8	7.7
SW	.8	8.0	3.2	2.0	1.0	.2	.1					10.9	9.8
WSW	.8	2.1	2.1	2.2	.5	.5						7.8	10.2
W		2.2	3.2	1.2	.8	.1						8.1	10.1
WNW	.8	1.5	2.0	2.0	.7							6.5	9.8
NW	.1	2.1	2.6	1.2	.8	.8						8.8	9.0
NNW	.2	1.7	2.6	1.8	.8	.1						6.8	9.2
VARB.													
CALM												7.0	
	5.1	31.2	31.8	18.8	8.8	1.5	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 810

7945

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 NIAGARA FALLS NY 73-81 APR

ALL WEATHER

0300-0500  
DDMM (L.G.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	1.6	1.2	1.2	.8							5.4	8.2
NNE	.4	.7	1.2	.2								2.6	7.5
NE	.4	.4	1.1	.9	.1							2.8	9.2
ENE	.7	2.1	1.6	1.0	.1							5.6	7.3
E	.5	3.0	3.6	.7	.1							7.9	7.3
ESE	.2	.7	.9	.9								1.7	6.6
SE	.4	.1	.1									.6	4.8
SSE	.6	1.9	.9	.1								3.0	5.0
S	1.1	4.6	1.7	1.1	.1							8.6	6.6
SSW	.2	4.0	2.7	1.9								8.8	7.5
SW	.6	2.7	3.5	2.3	.7		.1					10.0	9.5
WSW	1.1	1.0	2.7	1.9	.7	.2						7.7	9.9
W	.1	2.1	2.5	2.3	.9		.1	.1				7.7	10.2
WW	.5	1.5	2.6	2.5	.5	.1						7.7	9.8
WSW	.2	2.5	1.5	2.2	.2	.9						7.0	9.8
WNW		.7	1.6	1.6	.6							4.6	11.0
VARB.													
CALM												8.4	
	8.1	29.5	28.8	20.8	8.1	.7	.2	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725267 STATION NIAGARA FALLS NY STATION NAME 73-81 YEAR APR MONTH  
 ALL WEATHER CLASS 3600-3800 SPEED (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	≥36	%	MEAN WIND SPEED
N	.2	1.4	1.2	1.6	.4							4.8	9.8
NNE	.1	1.9	1.1	.2								3.3	7.1
NE	.2	1.2	1.6	1.6								4.7	9.2
ENE	.1	1.4	2.1	1.4								4.9	8.9
E	1.4	2.3	3.0	1.5	.4							8.5	7.8
ESE	.5	1.6	.6									2.7	5.1
SE	.2	1.0	.4									1.6	5.3
SSE	.2	1.2	.6	.1								2.2	5.7
S	1.1	2.3	2.7	1.2	.1							7.5	7.5
SSW	.4	2.0	4.2	2.2	.2							9.0	8.8
SW	.1	2.2	4.8	3.5	.1	.2	.1					11.1	10.2
WSW	.1	1.8	2.2	2.8	.6	.1	.5					7.8	12.1
W	.5	1.2	1.9	2.2	.4							6.2	9.8
WNW	.1	1.0	2.6	2.7	.6	.1						7.2	11.1
NW	.4	1.0	1.6	2.3	.7	.4						6.8	11.8
NNW	.5	.5	1.7	3.0								5.7	10.7
VARBL													
CALM												6.3	
	6.3	23.6	32.3	26.4	3.6	.8	.6					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 810

7946

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

125287 STATION NIAGARA FALLS NY 73-81 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	.9	1.4	2.0	.1							4.4	9.9
NNE		1.0	.4	1.2								2.6	9.2
NE	.2	.5	1.2	2.3								4.3	10.3
ENE	.1	.2	2.3	1.5	.1	.4						4.7	11.2
E	.1	1.2	4.7	2.6	.1							8.8	9.2
ESE	.1	1.4	1.0	.5	.1							3.1	7.6
SE	.1	.9	.6									1.6	6.0
SSE	.1	.6	1.2	.2								2.2	7.3
S	.1	1.4	2.2	2.5								6.2	9.3
SSW	.1	1.1	2.7	3.6	.5							8.0	10.6
SW	.2	1.1	3.8	6.9	1.1	.1	.4					13.7	12.4
WSW		.9	1.6	4.3	.4	.5	.6					8.3	13.6
W	.1	.7	1.7	2.3	.9	.1	.1					6.0	11.9
WWW	.5	.7	1.5	4.4	.7	.2						8.1	11.6
NW	.4	1.0	2.1	5.8	1.0	.5						10.7	12.2
NNW	.1	1.1	1.2	4.0	.1							6.5	10.9
VARBL													
CALM												.6	
	2.6	14.7	29.8	44.2	5.2	1.9	1.1					100.0	10.9

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)**

725287 STATION NIAGARA FALLS NY 73-81 YEAR APR MONTH

ALL WEATHER  
CLASS

1200-1800  
GROUP (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	3.0	2.3								5.9	9.9
NNE	.1	.6	.9	.6	.1							2.3	9.0
NE		.1	1.0	1.7	.2							3.1	12.0
ENE	.1	.9	1.1	1.6	.6	.8						4.7	11.8
E	.1	1.1	2.8	2.3	.1							6.5	9.7
ESE	.1	.7	.6	.9								2.3	8.5
SE		.4		.4								.7	8.2
SSE	.1	.5	.7	.1	.2							1.7	8.9
S	.1	.4	1.7	1.9	.1							4.2	10.7
SSW	.1	.6	1.9	4.0	.5	.2						7.3	12.0
SW		1.0	4.2	6.9	2.5	.7						15.3	13.2
WSW	.1	.2	2.6	4.2	.6	.6	.2					8.6	13.7
W	.1	.4	1.2	2.5	.2	.2	.1					4.8	12.7
WNW		.5	2.8	6.3	1.8	.8						11.8	12.8
NW	.2	1.0	4.0	7.3	1.1	.6						14.2	12.3
NNW	.2	.7	2.6	2.5	.1							6.2	10.1
VARB													
CALM												.6	
	1.6	9.8	11.1	45.8	7.9	3.2	.4					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 810

1947

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
GROUP (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	1.0	2.7	1.4								5.4	8.7
NNE	.2	1.2	1.2	.7	.2							3.7	8.4
NE		.6	1.7	2.0	.4							4.7	10.4
NNE		.5	2.2	3.8	.2	.4						7.2	12.1
E	.1	.4	2.0	2.0								4.4	10.3
ESE	.1	.4	.7	.5								1.7	8.5
SE		.1	.4	.4								.9	10.0
SSE		.1	.1									.2	6.0
S	.2	.4	.4	1.7	.5							3.2	11.7
SSW		1.1	2.2	3.3	.1							6.8	10.7
SW		1.2	4.1	8.3	2.7	.6	.1					17.0	13.0
WSW		.7	3.2	5.3	1.0	.5	.2					11.0	12.8
W	.2	1.2	1.4	1.6	1.1	.6						6.2	12.5
WNW		1.1	1.5	6.3	1.1	.1	.1					10.2	12.7
NW		.7	3.5	6.0	.4	.5	.2					11.4	12.5
NNW	.2	.2	1.6	3.0	.4	.1						5.6	11.9
VARBL													
CALM												.4	
	1.6	11.1	28.9	46.3	8.1	2.8	.7					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

725287

NIAGARA FALLS NY

71-81

APR

ALL WEATHER

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.1	1.9	1.9								6.3	8.2
NNE		.7	1.7	.5								3.0	8.5
NE	.4	1.6	1.4	.4	.4							4.1	8.1
ENE	.2	.5	2.3	2.5	.5	.1						6.2	10.6
E	.2	1.4	3.5	2.1								7.2	8.9
ESE	.1	.6	.4	.4								2.0	9.1
SE	.2	.4	.5	.7								1.9	8.7
SSE	.1	.4										.5	8.5
S	.2	2.3	2.2	1.5	.2							6.5	8.7
SSW	.2	1.9	3.5	3.3	.1							9.0	9.4
SW	.2	3.2	6.8	5.7	.2	.1						16.3	9.9
WSW	.2	2.0	3.8	2.8	1.0	.4						10.2	10.7
W		1.0	1.4	1.7	.7	.4						5.2	12.0
WWW		1.0	1.4	3.5	.5	.2						6.8	11.6
NW	.1	1.2	3.8	3.6	.4	.1	.4					9.9	11.1
NNW		.5	1.2	1.4	.2							3.6	11.2
VARIE													
CALM												1.5	
	1.0	20.7	36.2	32.3	4.6	1.4	.4					100.0	9.8

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)

725287

NIAGARA FALLS NY

73-81

APR

ALL WEATHER

2100-2300

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.1	1.6	1.1	.1							5.3	7.8
NNE	.1	1.2	1.0	.1	.1	.1						2.7	8.3
NE		.7	.4	.4	.4							1.9	9.7
NNE		1.6	1.7	1.1	.2	.1						4.8	9.4
E	.4	1.4	3.5	2.7	.1							8.0	9.5
ESE	.2	1.9	1.2	.2								3.1	6.9
SE	.2	.7		.5								1.5	7.8
SSE	.4	1.2	.1	.4								2.1	6.1
S	1.7	5.3	2.8	1.6	.4							11.9	6.9
SSW	.4	3.6	1.7	1.7		.1						7.5	7.9
SW	.6	4.2	5.7	2.7	.1	.1						13.5	8.2
WSW	.1	1.9	2.2	2.0	.9	.1	.2					7.8	10.9
W	.2	1.2	1.9	2.1	.4	.4	.1					6.3	10.9
WWW	.1	1.7	2.2	2.5	.1							6.7	9.9
NW	.2	1.0	3.1	2.7	.5	.2	.1					7.9	10.9
NNW	.2	1.0	1.6	1.6	.6							5.1	9.9
VARBL													
CALM												4.4	
	5.4	30.2	30.7	23.5	8.0	1.2	.5					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AF WEATHER SERVICE/MAC

# SURFACE WINDS

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

725287 NIAGARA FALLS NY 73-81 APR

ALL WEATHER  
ALL  
(M.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	.4	1.5	1.8	1.5	.2							5.3	8.7
NNE	.1	1.0	1.0	.5	.1	.0						2.8	8.8
NE	.2	.7	1.1	1.3	.2							3.5	9.8
NNE	.2	1.1	1.9	1.8	.3	.2						5.8	10.1
E	.4	1.5	3.8	1.8	.2							7.3	8.7
ESE	.2	1.0	.8	.8	.0							2.8	7.8
SE	.2	.5	.3	.2								1.2	7.0
SSE	.2	.9	.8	.1	.0							1.7	6.2
S	.8	2.8	2.1	1.6	.2							7.8	7.8
SSW	.3	2.2	2.7	2.7	.2	.1						8.1	9.3
SW	.3	2.5	8.5	8.8	1.1	.3	.1					13.5	10.9
WSW	.3	1.3	2.6	3.2	.7	.8	.2					8.6	11.8
W	.2	1.3	1.9	2.3	.6	.2	.1	.0				6.8	11.1
WWW	.2	1.1	2.1	3.8	.7	.2	.0					8.1	11.8
W	.2	1.3	2.8	3.9	.6	.8	.1					9.2	11.8
WNW	.2	.8	1.8	2.3	.3	.0						5.8	10.6
VARB													
CALM	X	X	X	X	X	X	X	X	X	X	X	3.7	
	4.3	31.8	31.2	32.1	5.2	1.7	.5	.0				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 6880

6969

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287

NIAGARA FALLS NY

73-81

MAY

ALL WEATHER

0000-0200

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥60	%	MEAN WIND SPEED
N	.2	2.5	.4	.4	.1							3.6	6.4
NNE	.1	1.4	.4									1.9	5.0
NE	.4	.8	.7	.4								2.3	6.7
NNE	.6	2.0	.5	.2	.2							3.6	6.5
E	1.4	3.6	2.6	1.2								8.8	6.5
ESE	.7	1.1	1.2	.1								3.1	5.8
SE	.5	.8	1.0	.2								2.5	6.3
ESE	.7	1.0	.8									2.5	5.1
S	1.8	6.7	3.9	.7								13.1	6.1
SSW	1.6	4.5	3.0	1.0	.1							10.2	6.6
SW	.8	3.3	3.7	1.0		.1						9.0	7.3
WSW	.6	2.7	3.1	.5	.4	.1						7.8	7.6
W	.6	3.3	1.3	1.2								6.5	7.2
WNW	.4	1.9	2.0	1.3	.2							5.9	8.5
WW	.5	2.6	1.8	1.1								6.0	7.3
WNW	.1	1.7	1.8	.5	.1							4.2	7.5
VARIABLE													
CALM												9.6	
	11.0	80.1	28.2	9.7	1.7	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287

NTAGARA FALLS NY

73-81

MAY

ALL WEATHER

0300-0500  
(L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.5	1.2	.7	.2							5.1	7.1
NNE	.2	.8	.7	.8								2.2	7.1
NE	.1	2.0	.7	.2	.1							3.2	6.9
NNE	.6	3.1	.2	.5								4.8	5.5
E	1.3	4.3	2.2	.2								8.0	5.7
ESE	.7	1.8	1.8									4.3	5.8
SE	.7	1.2	1.0									2.9	5.8
SSE	.1	1.1	.8									1.6	5.6
S	1.1	4.5	3.8	.8								10.3	6.4
SSW	1.8	5.6	3.2	1.3								11.6	6.5
SW	.8	3.1	2.7	1.9								8.1	7.9
WSW	.8	2.9	1.8	.8		.2						6.1	7.3
W	.5	3.2	2.8	2.2								8.8	7.8
WNW	.8	1.7	1.9	1.0								4.9	7.6
NW	.5	.6	1.9	1.1								4.1	8.8
NNW	.2	1.2	.7	.6								2.7	7.5
VARIABLE													
CALM												12.2	
	9.1	39.7	26.8	11.7	.8	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

317

7950

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 NIAGARA FALLS NY 73-81 MAY

ALL WEATHER

0600-0800  
GMT (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		1.2	1.4	1.0	.8							3.9	9.8
NNE	.1	.8	1.1	.8								2.6	7.8
NE	.1	1.3	1.4	.7	.1							3.7	8.2
NNE	.5	1.3	1.3	1.2								4.3	8.0
E	1.2	4.1	2.5	.7								8.5	6.3
ESE	.9	1.7	2.3	.8								4.7	7.1
SE	.4	1.1	.8	.5								2.7	6.9
SSE	.8	1.0	.1	.1								2.0	6.5
S	1.1	4.1	4.5	1.9	.1							11.7	7.5
SSW	.2	3.8	4.2	2.3	.2	.1						10.9	8.8
SW	.8	4.5	3.3	2.5	.1							11.8	7.8
WSW	.2	3.3	1.9	1.6	.2							7.3	7.8
W	.1	2.0	1.9	2.9	.2							7.2	9.6
WWW	.1	1.8	2.4	1.0								4.3	8.2
NW		1.4	1.8	1.8	.2							4.9	9.7
NNW	.2	.7	1.1	1.0								3.0	8.8
VARBL													
CALM												6.3	
	6.3	33.8	31.8	20.0	1.7	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287

NIAGARA FALLS NY

73-81

MAY

ALL WEATHER

0900-1100  
MOON (L.A.T.)

SPEED (KNOTS) 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	1.6	1.6	1.0	.2	.2						6.8	9.1
NNE	.1	.2	1.7	.6								2.6	9.2
NE	.2	1.0	1.9	1.0								6.1	8.7
NNE	.2	1.4	1.8	1.2								6.7	8.1
E	.6	1.4	3.1	1.7								6.8	8.2
ESE	.2	1.2	1.1	1.1								3.6	8.2
SE	.4	.8	.7	.7								2.6	7.6
SSE	.1	1.1	.8	.8								2.8	7.7
S	.4	2.0	4.1	1.9	.2							8.6	8.8
SSW	.6	2.2	4.8	2.6	.8	.1	.2					10.5	9.6
SW	.4	3.9	3.2	5.6	1.0	.1						18.2	10.1
WSW	.7	1.6	1.8	3.2	.8							7.4	9.9
W	.4	1.4	1.1	3.7	.7							7.3	11.0
WWW	.5	2.2	1.8	2.8	.1	.2						7.2	9.3
NW	.2	1.9	2.7	1.8	.8	.1						7.2	9.8
NNW	.4	1.2	2.0	1.1								6.7	8.3
VARIABLE													
CALM												1.2	
	5.6	38.1	33.8	30.8	3.3	.8	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

837

7951

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATR WEATHER SERVICE/HAC

# SURFACE WINDS

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

725287 STATION NIAGARA FALLS NY 73-81 YEAR MAY MONTH  
 ALL WEATHER CLASS 1200-1800 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	≥66	%	MEAN WIND SPEED
N		2.0	1.4	1.1	.1							4.7	8.3
NNE	.2	1.1	2.3	.6								4.2	7.9
NE		.5	1.8	2.3	.1							4.7	10.7
NNE		1.1	1.4	2.0	.1							4.7	9.9
E	.1	.8	2.2	1.0		.1						4.2	9.1
ESE	.1	.7	.8	.6								2.3	8.0
SE		1.0	.6	.1								1.7	7.1
SSE	.1	1.1	.8	.6								2.6	7.5
S	.5	1.6	3.1	2.2								7.3	8.9
SSW	.2	.7	3.3	3.5	.8	.1		.1				8.8	11.2
SW	.4	2.5	5.1	7.9	1.7		.1	.1				17.8	11.5
WSW		1.7	1.9	4.3	.7							8.6	11.3
W	.1	1.4	1.8	1.9	.2							5.5	9.9
WNW	.2	1.4	2.3	3.0	.5	.1						7.5	10.3
NW	.7	1.9	3.3	2.6	.6	.1	.2					9.6	10.0
NNW	.2	1.4	2.0	1.4	.2							5.8	9.0
VARB													
CALM												.6	
	3.0	20.9	34.3	35.0	5.1	.5	.8	.2				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

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

725287 STATION NIAGARA FALLS NY YEAR 73-81 MONTH MAY  
ALL WEATHER CLASS 1500-1700  
CONDN (L.S.T.)  
CRITERION

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	1.6	3.5	1.2	.8							6.7	9.0
NNE		.8	2.5	1.6								4.9	9.3
NE		1.1	3.0	2.2								6.2	9.3
NNE		1.2	1.7	2.5	.1							5.5	10.1
E	.1	.8	2.4	.8								4.2	8.9
ESE	.4	.8	.6	.6								1.9	8.3
SE		.1	.8	.1								.6	8.0
SSE		.2	.6	.2								1.1	8.8
S		.8	1.8	1.3								3.9	9.8
SSW		1.1	2.9	2.9	.1							6.9	10.0
SW	.4	1.8	5.3	9.6	2.0	.4	.2	.1				19.7	12.2
WSW		1.4	3.6	8.7	1.2	.1						11.0	11.5
W	.1	1.4	1.8	2.4	.4							6.1	10.1
WNW	.1	1.1	1.8	2.6	.4							5.6	10.8
NW		2.6	2.6	2.6	.1	.1						8.1	9.2
NNW	.1	2.2	2.8	1.3	.4		.1					6.5	9.0
VARBL													
CALM												1.1	
	1.3	18.6	36.3	36.6	8.0	.6	.4	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 837

7952

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION 73-81 MAY  
 NIAGARA FALLS NY STATION NAME YEARS  
 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	.5	2.0	2.3	.7	.1							5.6	7.7
NNE		1.1	1.4	.2								2.7	7.2
NE		2.5	3.2	.8								6.6	7.6
ENE	.2	2.3	3.6	1.3	.4							7.8	8.7
E	.1	2.5	2.2	1.3								6.1	7.7
ESE	.4	1.0	.6	.4								2.3	6.8
SE	.1	.6	.4	.1								1.2	6.5
SSE	.1	.8	.7	.2								1.9	7.1
S	.1	3.2	1.9	2.2	.1							7.5	8.3
SSW	.1	3.2	4.4	1.3		.2						9.3	8.2
SW		3.5	9.3	4.3	.2		.1					17.4	9.3
WSW	.1	1.2	4.7	3.1	.5							9.6	9.9
W	.1	1.2	1.9	1.4	.4							5.0	9.8
WNW	.2	1.1	1.9	1.9	.2							4.9	9.3
NW	.1	1.7	2.4	1.7								5.9	8.8
NNW	.4	1.4	1.8	1.1		.1						4.8	8.5
VARBL													
CALM												1.4	
	2.6	29.3	42.7	21.6	1.9	.4	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

75287 STATION NIAGARA FALLS NY STATION NAME 73-81 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	.1	3.1	1.2	.6		.1						5.1	7.2
NNE	.5	.5	.6			.1						1.7	6.8
NE	.1	.4	.4									.8	6.8
ENE	.2	2.4	.6	1.3								4.5	7.6
E	.8	4.3	2.9	1.6								9.6	6.9
ESE	.1	.6	.8									1.6	7.0
SE	.4	1.2	1.2	.4								3.1	6.8
SSE	.6	1.1	.8	.1								2.6	6.1
S	2.7	8.5	3.2	1.6								15.3	6.0
SSW	1.6	4.1	2.3	1.1								9.0	6.4
SW	.7	5.5	4.8	1.3	.2	.4						12.5	7.7
WSW	.6	2.0	3.3	1.2	.1							7.3	7.8
W	.4	1.7	1.6	1.8	.4							5.4	8.9
WNW	.7	1.7	1.4	.7	.1							4.7	7.8
NW	.2	2.5	2.6	1.0								6.3	7.6
NNW	.6	1.9	1.8	.6	.1	.1						4.8	7.6
VARBL													
CALM												5.7	
	9.7	41.3	28.8	12.8	1.0	.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 837

7953

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

705237 STATION NIAGARA FALLS NY STATION NAME 73-81 YEARS MAY MONTH

ALL WEATHER CLASS

ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.2	2.1	1.6	.8	.2	.0						4.9	6.1
NNE	.2	.9	1.3	.5		.0						2.9	7.9
NE	.1	1.2	1.6	.9	.0							3.9	8.4
ENE	.3	1.9	1.4	1.3	.1							4.9	8.2
E	.7	2.7	2.5	1.1		.0						7.0	7.1
ESE	.4	1.0	1.1	.4								3.0	7.0
SE	.3	.9	.7	.3								2.2	6.7
SSE	.3	.9	.6	.2								2.1	6.4
S	.9	3.9	3.3	1.6	.1							9.7	7.3
SSW	.7	3.2	3.5	2.0	.2	.1	.0	.0				9.6	8.2
SW	.5	3.5	4.6	4.3	.7	.1	.1	.0				13.8	9.7
WSW	.3	2.1	2.8	2.4	.4	.1						8.1	9.4
W	.3	2.0	1.7	2.1	.3							6.4	9.3
WNW	.3	1.6	1.9	1.7	.2	.0						5.7	9.0
NW	.3	1.9	2.4	1.7	.2	.0	.0					6.5	8.9
NNW	.3	1.5	1.7	.9	.1	.0	.0					4.5	8.3
VARBL													
CALM												4.8	
	6.1	31.1	32.8	22.1	2.4	.4	.1	.0				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 6696

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

025287 STATION NIAGARA FALLS NY STATION NAME 73-81 YEAR JUN MONTH

ALL WEATHER CLASS

0000-0200 HOUR (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	2.8	1.7	.1								5.7	5.6
NNE	.1	.5	.8	.2								1.2	6.5
NE	.4	.5	.8	.8								1.6	7.2
ENE	1.0	1.7										2.7	3.8
E	1.7	2.7	1.2									5.7	4.8
ESE	.2	1.7	.6									2.6	5.5
SE	.1	1.1	.5	.1								1.9	6.3
SSE	.4	1.2	1.1	.1								2.8	6.0
S	2.1	8.3	7.2	1.4								18.9	6.5
SSW	.9	3.8	4.6	1.5	.2							11.0	7.6
SW	1.7	3.6	4.9	1.1	.2							11.6	7.2
WSW	.9	1.9	2.5	.9								6.0	7.5
W	.9	2.6	2.0	.6								6.0	6.5
WNW	.5	2.0	2.0	.7								5.2	7.0
NW	.2	.7	1.4	.7								3.1	8.2
NNW	.2	.9	.7	.2								2.1	7.1
VARBL													
CALM												11.9	
	12.3	36.0	31.1	8.1	.5							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 810

7954

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

JUN  
MONTH

ALL WEATHER  
CLASS

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

QUALIFIER

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.2	1.2									4.0	5.7
NNE	.4	.6	.5									1.5	5.2
NE	.2	1.2	.2	.5								2.2	6.9
ENE	1.4	2.5		.2								4.1	4.7
E	2.1	3.0	.5	.1								5.7	4.4
ESE	.6	1.4	.1	.1								2.2	5.1
SE		1.0	.6	.1								1.7	6.8
SSE	.4	1.1	.4									1.9	5.1
S	1.6	7.2	6.7	.6								16.0	6.4
SSW	.9	4.2	4.3	1.2	.1							10.7	7.3
SW	1.2	4.2	4.7	2.3	.1							12.6	7.6
WSW	.9	2.3	1.7	1.5	.1							6.5	7.7
W	1.2	3.1	1.9	2.1								8.3	7.4
WNW	.4	1.9	1.1	.6								4.0	7.0
NW	.2	1.6	2.0	.4								4.2	6.9
NNW	.5	.7	1.4	.4								3.0	7.2
VARBL													
CALM												11.5	
	12.5	38.1	27.3	10.2	.8							100.0	5.9

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)

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

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

CORRECTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.1	1.5	.7	.1							4.0	7.7
NNE	.1	.5	1.0									1.6	7.0
NE		.4	1.0	.5								1.9	8.8
ENE	.7	1.5	.6	.7								3.6	6.8
E	1.4	1.6	1.2	.5								4.7	5.9
ESE	.5	1.1	1.1									2.7	5.8
SE		1.1	.5									1.6	6.1
SSE	.2	1.5	1.0	.1								2.8	6.5
S	.9	5.1	6.5	1.8								13.8	7.3
SSW	.7	3.0	6.9	2.7	.1							13.5	8.2
SW	.6	3.1	5.2	8.9	.2							18.1	9.5
WSW	.9	2.8	2.5	1.9	.1							8.1	8.0
W	.4	1.2	2.2	1.7								5.6	8.9
WNW	.2	2.7	2.8	1.1								6.9	7.7
NW		.9	2.2	.9	.1							4.1	8.9
NNW	.1	.9	2.0	.9								3.8	8.5
VARBL													
CALM												7.3	
	7.3	28.8	36.3	16.0	.7							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

810

7955

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

JUN  
MONTH

ALL WEATHER  
CLASS

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

CRUISE

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	1.5	.9								4.0	7.5
NNE		.4	1.1	.2								1.7	8.6
NE	.1	.4	1.2	.7								2.5	9.0
ENE	.4	.5	2.2	1.0								4.1	8.6
E	.1	1.9	2.2	.7								4.9	7.7
ESE	.1	.9	.9	.1								1.5	6.6
SE	.2	1.0	.1									1.4	5.3
SSE		.7	1.1									1.9	6.8
S	.2	1.5	4.6	2.2								8.5	8.7
SSW	.2	2.2	4.4	5.6	.2							12.7	10.0
SW	.5	2.0	7.7	10.7	.7	.1						21.7	10.9
WSW	.2	2.5	3.1	3.6	.5							9.9	9.7
W	.1	.7	1.5	2.1	.1							4.6	9.9
WNW	.1	1.9	1.7	2.3								6.0	9.2
NW	.2	1.5	4.0	2.5	.2							8.4	9.8
NNW	.2	1.4	2.6	.7								4.9	7.9
VARBL													
CALM												1.4	
	3.6	20.2	39.4	33.5	1.9	.1						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 810

02

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION NIAGARA FALLS NY 73-81 YEAR JUN 1976

ALL WEATHER

1200-1800  
 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		1.9	1.9	1.6								5.3	8.3
NNE	.1	.6	.5	.2								1.5	7.8
NE	.1	.6	3.0	.9								4.6	9.0
NNE		.8	1.5	1.6								3.5	10.7
E		1.9	1.6	.2	.1							3.8	7.3
ESE		.5	.9									1.4	7.8
SE		.5	.7									1.2	7.3
SSE		.5	.2									.7	6.5
S	.1	.9	2.8	1.9								5.7	9.5
SSW	.1	.5	6.8	8.9	.2							12.2	10.8
SW	.8	2.0	5.3	13.0	1.1	.2						22.0	11.7
WSW	.5	1.2	3.6	8.9	1.2	.1						11.6	11.1
W	.2	.7	2.2	2.0	.8							5.6	10.2
WNW		1.1	2.7	3.2	.2							7.3	10.3
NW		1.0	4.1	2.5								7.5	9.7
NNW	.1	.7	3.3	1.8								5.6	9.1
VARB													
CALM												.6	
	1.7	14.9	40.7	38.3	3.3	.8						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 810

7956

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

JUN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
TIME (L.G.T.)

COMPUTER

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	1.1								4.4	8.9
NNE	.2	1.2	1.6	.7								3.8	7.6
NE	.1	.4	2.3	2.1	.1							5.1	10.0
NNE	.1	.4	2.0	1.2								3.7	9.7
E		1.4	1.0	.4								2.7	7.8
ESE		.2	.7									1.0	7.6
SE		.1	.2									.4	6.7
SSE	.1	.4	.4									.9	6.9
S	.2	1.5	3.3	1.2								6.3	8.9
SSW	.1	1.7	4.2	3.3								9.4	9.6
SW	.5	1.9	8.5	13.1	1.6							25.6	11.0
WSW	.2	1.1	4.6	6.3	.9	.1						13.2	11.1
W		.4	1.1	2.0	.1	.2						3.8	12.2
WNW	.1	.9	2.6	2.5	.4							6.5	10.6
NW		1.0	2.6	3.8	.4							7.8	10.8
NNW		.6	3.0	1.1	.2							4.9	9.6
VARIABLE													
CALM												.6	
	1.9	14.1	40.5	38.9	3.7	.4						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

725287 STATION NIAGARA FALLS NY STATION NAME 73-81 YEAR JUN MONTH  
ALL WEATHER CLAS 1800-2000  
 CREDIT

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	2.8	.5								5.1	7.8
NNE	.2	1.8	1.0	.1								2.7	8.3
NE	.1	1.6	1.8	.7								3.8	7.3
NENE	.8	3.3	2.5	.5								6.7	6.7
E	.6	1.9	2.2	.8								5.3	7.0
ESE		.5	.8	.1								1.0	7.3
SE	.1	.7	.7	.1								1.7	7.1
SSE		.7	1.1	.8								2.2	7.9
S	.2	2.5	3.7	.7								7.2	7.6
SSW	.4	3.0	7.5	1.6		.1						12.6	8.8
SW	1.1	8.3	12.2	8.8								22.1	8.8
WSW	.4	1.7	8.3	2.5	.1	.1						9.1	9.8
W	.2	.7	1.8	1.8	.1	.1						8.0	10.0
WNW		1.0	1.9	2.1	.1							5.1	10.1
NW	.4	1.5	2.1	1.1	.2	.1						5.8	8.8
NNW	.1	1.1	1.9	1.1								8.2	8.6
VARB													
CALM												1.9	
	4.7	27.7	47.0	18.0	.6	.5						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 810

7957

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION NAME NIAGARA FALLS NY YEARS 73-81 MONTHS JUN  
 ALL WEATHER CLASS 2100-2300 HOURS (L.A.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	2.7	1.2	.2								4.6	5.9
NNE	.1	1.2	.4									1.7	5.7
NE	.4	.9	.6									1.9	5.5
ENE	1.1	2.6	.2									4.0	4.2
E	1.1	3.2	1.5	.2								6.0	5.5
ESE	.1	1.4	.9									2.3	6.8
SE	.1	1.1	1.5	.4								3.1	7.2
SSE		1.6	1.5	.4								3.5	7.2
S	1.2	10.1	5.2	.9								17.8	6.2
SSW	.6	4.2	3.3	1.2								9.4	7.1
SW	1.0	5.3	5.8	1.0								13.1	6.9
WSW	1.0	2.8	2.6	.9								7.3	6.9
W	.6	2.3	2.0	.9	.1							5.9	7.5
WNW	.4	2.3	2.2	.7	.1							5.8	7.7
NW	.1	1.6	1.5	.5								3.7	7.6
NNW	.1	.5	.5	1.0								2.1	9.1
VARBL													
CALA												8.3	
	8.8	48.0	30.9	8.3	.2							100.0	6.1

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)**

725287 STATION NIAGARA FALLS NY 73-81 YEARS JUN MONTH  
 ALL WEATHER CLASS ALL SEAS (L.A.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.4	1.8	1.8	.6	.0							4.6	7.1
NNE	.2	.8	.8	.2								2.0	6.9
NE	.2	.7	1.3	.7	.0							2.9	8.3
ENE	.6	1.6	1.1	.7								4.0	6.9
E	.9	2.2	1.8	.8	.0							4.9	6.1
ESE	.2	1.0	.6	.0								1.8	6.2
SE	.1	.8	.6	.1								1.6	6.7
SSE	.1	1.0	.8	.1								2.1	6.6
S	.8	8.6	5.0	1.3								11.7	7.1
SSW	.5	2.8	5.2	2.8	.1	.0						11.4	8.6
SW	.9	3.3	6.8	6.3	.5	.0						17.8	9.5
WSW	.6	2.1	3.1	2.8	.8	.0						9.0	9.3
W	.5	1.5	1.8	1.6	.1	.0						5.5	8.7
WNW	.2	1.7	2.1	1.7	.1							5.8	8.8
NW	.2	1.2	2.5	1.5	.1	.0						5.5	9.1
NNW	.2	.8	1.9	.8	.0							3.8	8.5
VARIABLE													
CALM												5.4	
	6.5	27.9	36.8	21.7	1.8	.2						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 6880

7958

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725287 STATION NIAGARA FALLS NY 73-81 YEAR JUL 1977  
 ALL WEATHER CLASS 0000-0200 MOON (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	3.6	1.7	.9								6.2	5.8
NNE	.2	.7	.6	.1								1.7	6.2
NE	.5	.5	.5									1.4	5.3
ENE	1.4	1.8	.4	.2								3.8	4.7
E	1.4	3.3	1.0	.1								5.9	5.0
ESE	1.0	1.6	.1									2.6	4.4
SE	.1	.7	.4									1.2	5.9
SSE	.4	1.2	.6	.2								2.4	6.1
S	1.8	7.6	4.1	.2	.1							13.9	6.0
SSW	1.2	4.3	3.7	1.1								10.3	6.7
SW	.8	5.4	6.1	1.3	.2							13.9	7.3
WSW	.2	2.3	3.2	1.4	.1							7.3	8.3
W	1.0	3.7	2.9	1.0								8.5	6.5
WNW	.4	2.3	1.4	.5								4.5	6.3
NW	.1	1.3	.6	1.0								3.0	8.4
NNW	.4	1.0	.7	.1								2.2	6.2
VARBL													
CALM												11.4	
	11.5	41.2	27.8	7.6	.5							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 837

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION NIAGARA FALLS NY 73-81 YEARS JULI 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	2.7	1.6									5.3	5.5
NNE	.6	.6	.7									1.9	5.7
NE	.1	1.0	.4	.1								1.6	5.8
ENE	1.7	1.3	.1	.4								3.5	4.7
E	1.6	2.7	1.6	.1								6.0	5.4
ESE	1.1	.8	.2									2.2	4.1
SE	.4	.6	.2									1.2	4.8
SSE	.2	1.9	.6	.1								2.9	5.7
S	1.9	7.3	6.0	.8								16.0	6.2
SSW	.7	3.9	2.4	1.1								8.1	6.6
SW	.7	4.8	4.4	2.3	.1							12.3	7.7
WSW	.7	2.7	3.1	.7	.1							7.4	7.4
W	.8	5.0	1.3	1.0								8.1	6.0
WNW	.2	1.9	1.0	.6								3.7	7.5
NW	.2	2.4	.2	.1	.1							3.1	5.6
NNW	.1	1.3	.8									2.3	6.6
VARBL													
CALM												14.6	
	12.1	41.1	24.6	7.3	.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 837

7959

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION NIAGARA FALLS NY 73-81 YEAR JUL MONTH

ALL WEATHER

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	.4	2.5	1.0	.7								4.5	6.9
NNE	.1	.5	1.1	.1								1.8	8.1
NE	.4	.1	.6	.2								1.3	7.1
ENE	.2	1.4	.7	.1								2.5	5.7
E	1.2	1.3	2.2	.4								5.0	6.4
ESE	.8	.7	.6	.4								2.5	6.1
SE	.2	1.2	.1	.1								1.7	5.4
SSE	.1	2.9	.2	.1								3.3	5.5
S	1.4	4.8	5.5	1.3								13.0	6.8
SSW	.7	2.9	6.2	1.7								11.5	7.9
SW	.7	3.2	7.5	2.7	.1							14.3	6.2
WSW	.8	3.5	3.1	2.5								9.9	8.1
W	.8	2.5	3.1	1.3								7.8	7.6
WNW	.2	2.2	1.7	.6								4.7	7.2
NW	.1	1.8	1.9	1.4	.2							5.5	8.6
NNW	.1	.8	.7	.2								1.9	7.1
VARBL													
CALM												6.7	
	8.5	32.3	36.2	14.0	.4							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 837

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

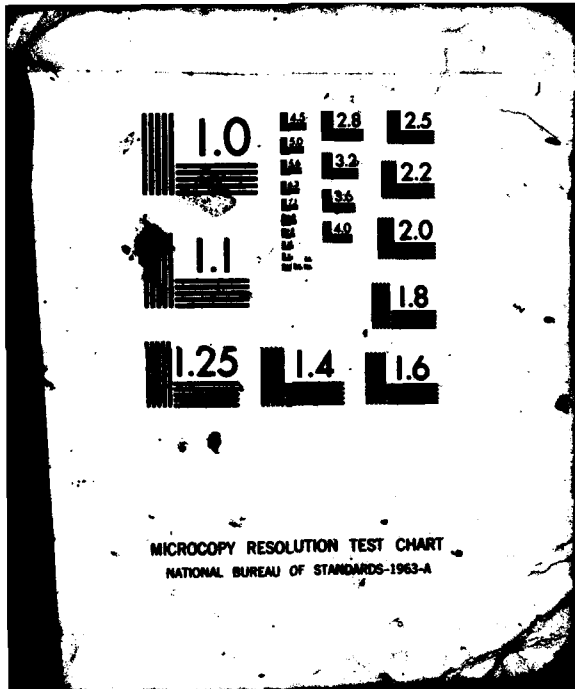
## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 125287 NIAGARA FALLS, NY YEAR 73-81 MONTH JUL  
 CLASS ALL WEATHER PERIOD 0900-1100  
 (L.S.T.)  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.9	2.2	1.0								5.3	7.6
NNE	.2	.8	1.0	.7								2.7	8.1
NE	.6	.2	1.0	.7								2.5	7.6
ENE		.8	.8	.1								1.8	7.3
E	.1	.6	1.3	.8								2.9	8.4
ESE	.2	.5	.8	.2								1.8	7.5
SE		.8	.7	.2								1.8	7.3
SSE	.2	1.2	.8									2.3	5.8
S	.2	2.0	4.2	1.8								8.2	8.3
SSW	.4	2.2	5.1	3.5								11.1	9.0
SW	.1	3.1	8.7	8.4	.5							20.8	10.2
WSW	.4	2.2	3.6	3.2	.1							9.4	9.2
W	.2	1.8	4.3	1.9	.4							5.6	9.0
WNW	.4	1.8	2.3	1.7								6.1	8.3
NW	.1	2.2	3.8	1.4	.4							7.9	8.8
NNW	.1	1.8	2.0	1.0	.1	.1						5.1	8.7
VARBL													
CALM												1.7	
	3.6	23.9	42.7	26.6	1.4	.1						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 837







GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 FROM WINDY OBSERVATIONS

125287

NEARBY CALLS BY

TIME

125287

ALL WEATHER

WIND DIR	1-3	4-6	7-9	10-12	13-15	16-18	19-20	21-23	24-26	27-29	30	%	WIND SPEED
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030													
045													
060													
075													
090													
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255													
270													
285													
300													
315													
330													
345													
360													

7961







29

GLOBAL CLIMATOLOGY BRANCH  
USAFETAG  
AIR WEATHER SERVICE/NAC

SURFACE WINDS

STATION NAME  
TIME  
DATE

122207 NEARBY CALL NO  
ALL INFORMATION  
DATE

TIME	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31	32
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7963



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

STATION NAME: \_\_\_\_\_  
 STATION NUMBER: \_\_\_\_\_  
 TIME PERIOD: \_\_\_\_\_

72227

HEADERS FOLLOWS

ALL HEADERS

DATE: \_\_\_\_\_

TIME	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31	32	33	34
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7984





2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAG  
 AIR WEATHER SERVICE/NAC

**SURFACE WINDS**

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

725287

NIAGARA FALLS NY

72-81

AMS

ALL WEATHER

1500-1700  
 EST. (C)

WIND DIRECTION DUR.	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	200	%	WIND SPEED DUR.
N		1.7	2.8	1.2								2.0	2.0
NNE	.1	1.7	2.8	.8								2.1	2.0
NE	.1	.8	2.8	1.2								2.1	2.0
NNE	.1	.8	2.8	.8								2.2	2.0
E		1.2	1.2									2.0	2.0
ESE		.8	.8									1.1	2.0
SE		.8	.8	.1								1.0	2.0
SSE		.1	.8									.8	2.0
S		1.2	2.8	1.2								2.1	2.0
SSE		1.2	2.8	1.2								2.1	10.0
SE	.7	1.2	2.8	1.2	2.8							22.2	10.0
SSE		1.2	2.8	1.2	1.2							12.1	10.0
S	.1	.8	2.8	1.2								2.0	2.0
SSW	.1	.8	1.2	1.2	.8							2.2	10.0
SW	.1	1.2	2.8	1.2	.8							2.4	2.0
WSW	.1	1.2	2.8	.8								2.2	2.0
W												.8	
												100.0	2.0

NO. OF HOURS OF OBSERVATION 227

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

ANG  
ZONE

ALL WEATHER  
CLASS

1800-2000  
TIME (L.C.T.)

ORIGINATOR

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	3.0	1.7									8.8	5.9
NNE	.2	1.9	1.7									3.8	6.3
NE	.7	8.8	2.5	.2								7.9	6.3
NNE	1.8	3.3	1.2	.7								6.7	5.7
E	.5	3.5	1.7	.8								6.0	5.9
ESE	.1	.7	.1									1.0	5.3
SE		1.0	.8									1.3	6.1
SSE	.2	1.0	.5									1.7	5.6
S	.5	3.7	8.7	.5								9.3	6.9
SSW		2.8	5.7	1.3								9.8	8.0
SW	.1	3.6	13.3	8.3	.1							21.8	8.8
WSW	.1	1.6	3.6	3.0	.7							9.0	10.2
W	.1	1.3	1.7	.8								3.5	7.8
WW		1.1	2.3	.8	.1							8.3	8.9
NW	.2	1.2	1.3	1.7								8.8	8.7
NNW	.1	.6	1.7	.5								2.9	8.8
VARBL													
CALM												2.3	
	4.5	34.6	43.8	17.8	1.0							100.8	7.5

TOTAL NUMBER OF OBSERVATIONS

834

2  
 7966

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725287

NIAGARA FALLS NY

73-81

AUG

ALL WEATHER

2100-2300

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	1.2									6.5	5.3
NNE	.5	1.0	.2	.2								1.9	6.1
NSE	.4	.7	.5	.1								1.7	5.7
ENE	2.0	3.2	.5	.1								5.9	5.8
E	1.7	3.2	1.9	.1								6.9	5.8
ESE	.4	2.2	1.0									3.5	5.8
SE	.5	.8	.4									1.7	5.9
SSE	.9	.7	.8									1.9	6.1
S	1.0	7.2	6.2	1.0								15.3	6.5
SSW	.6	4.2	3.8	.2	.1							9.0	6.7
SW	.2	5.9	6.2	1.0								13.3	7.2
WSW	.5	2.9	3.2	.7								7.3	7.1
W	.4	2.7	1.9	.9								5.8	6.3
WNW	.1	1.6	1.8	.9	.1							3.9	7.7
NW	.2	1.4	1.8	.6								4.1	7.2
NNW	.9	.7	1.1	.9								2.5	7.5
VARB.													
CALM												11.4	
	9.9	40.9	32.5	5.1	.2							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

332

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

725287

NIAGARA FALLS NY

73-81

AUG

ALL WEATHER

ALL

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥60	%	MEAN WIND SPEED
N	.8	2.2	2.1	.6								5.3	2.0
NNE	.3	1.0	1.8	.3								3.0	2.3
NE	.8	1.3	1.6	.7								8.0	2.8
NNE	1.2	2.1	1.2	.3								9.8	3.7
E	1.2	2.7	1.3	.2								5.8	3.8
ESE	.3	1.3	.7	.0								2.3	3.8
SE	.3	.9	.5	.0								1.8	3.6
ENE	.8	.8	.6	.0								1.9	3.8
S	.8	8.1	8.8	1.1	.0							18.8	2.8
SSW	.8	2.8	8.2	2.1	.1							9.8	8.2
SW	.3	3.2	6.7	8.6	.8	.0						15.2	9.2
WSW	.8	2.1	3.8	2.8	.1							8.9	8.2
W	.3	2.2	2.1	1.0	.0							8.7	2.4
WSW	.3	1.8	1.9	1.9	.1							8.8	8.8
WW	.3	1.3	2.2	1.3	.0							8.3	8.4
WNW	.2	1.2	1.6	.8	.0							3.8	2.8
VARS													
CALM												8.0	
	7.8	38.6	24.8	14.8	3.0	.0						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

6482

7967



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE OCCURRENCE OF WIND  
 DIRECTION AND SPEED  
 (FROM NEAREST OBSERVATION)

72522 NIAGARA FALLS, NY 72-01

ALL WEATHER

WIND DIRECTION	1-3	4-6	7-9	10-15	17-20	22-27	28-33	34-39	40-49	50-59	60	%
000												
010												
020												
030												
040												
050												
060												
070												
080												
090												
100												
110												
120												
130												
140												
150												
160												
170												
180												
190												
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210												
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260												
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360												
370												
380												
390												
400												
410												
420												
430												
440												
450												
460												
470												
480												
490												
500												
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830												
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850												
860												
870												
880												
890												
900												
910												
920												
930												
940												
950												
960												
970												
980												
990												
1000												

















GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

725287 MIABARA FALLS, NY 73-81 OCT  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥66	%	NO. OF HOURS
N	.0	2.3	1.6	.0	.1							0.7	0.0
NNE	.2	1.2	.2									1.7	0.1
NE	.0	1.1	.1	.0	.1							2.6	0.0
NNE	1.0	2.9	.0	.2	.0							3.6	0.0
E	1.2	0.3	1.0	1.0								10.2	0.0
ESE	.0	1.0	.7	.1								3.0	0.0
SE	.0	1.1	.1									1.2	0.0
SSE	.0	.0	.0									1.7	0.0
S	.0	2.0	0.0	1.0								0.7	0.0
SSE	.0	1.0	2.0	1.1	.1							0.9	0.0
SW		.0	3.3	3.2	.0							7.8	10.7
WSW	.2	2.2	2.0	2.2	.0	.1						0.0	0.0
W	.2	0.0	0.1	0.0	.0	.2						17.0	0.1
WSW	.1	1.1	2.0	.7	.2							0.7	0.0
SW	.1	.0	1.0	1.0	.2							0.1	0.0
SSW	.2	1.0	1.7	1.1								0.9	7.7
VAR													
CALM												9.1	
	0.7	11.0	20.0	10.0	0.0	.0						100.0	0.0

TOTAL NUMBER OF OBSERVATIONS 032

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION NIAGARA FALLS NY STATION NAME 73-81 YEARS OCT MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.G.T.)  
 CONDITION

SPEED (KNOTS) 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	1.8	1.1	.8	.1							3.7	7.8
NNE	.8	1.2	.7	.2								2.5	6.8
NE	.1	.8	.8	1.2	.1	.1						3.2	10.3
NNE	1.3	1.9	1.3	.8	.8							5.3	6.6
E	1.2	4.8	2.5	1.0								9.8	8.2
ESE	1.1	2.5	.8	.1								4.5	5.3
SE	.8	1.1	1.8	.1								3.0	8.8
ESE	.2	1.3	.7	.1								2.8	8.2
S	1.1	3.5	4.1	2.8								11.0	7.8
SSE	.1	.8	1.7	1.7								4.3	9.5
SE	.8	1.1	1.8	3.8	.8							7.8	18.6
SSE		1.8	2.6	2.7	.5	.1						7.8	10.8
W	.2	3.0	5.0	5.8	.8	.1						18.1	9.8
WSW	.8	1.8	1.0	1.6								6.7	8.8
W	.2	.8	1.6	.8	.2							3.7	8.3
WSW	.2	1.8	1.8	1.6								6.7	8.7
VARL													
CALM												8.9	
	7.8	28.3	28.6	23.8	2.8	.8						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

225287 STATION NIAGARA FALLS, NY STATION NAME 13-81 YEAR OCT MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.8	1.7	2.2								8.7	9.8
NNE	.1	.7	1.1	.6								2.5	8.8
NE		.7	1.1	.6	.1							2.5	8.8
ENE		.7	1.9	1.6	.1							3.3	9.8
E	.2	2.0	3.8	1.6	.1							7.8	8.8
ESE	.2	1.3	1.7	.5								3.7	7.8
SE	.5	.8	.4	.1								1.8	5.7
SSE	.5	.8	1.0	.8								2.6	6.6
S	.6	2.7	5.9	4.1	.1							13.8	9.1
SSW		.6	2.3	3.2	.2							6.3	11.2
SW	.2	.5	2.5	4.9	1.9	.1						10.2	12.7
WSW	.1	.6	2.0	3.5	1.1	.8						8.1	13.8
W		1.2	3.3	5.9	.8	.1						11.8	11.8
WNW	.1	.8	2.8	4.8	.1							7.8	11.8
NW	.2	.2	1.8	2.7	.6							5.8	11.8
NNW	.1	.5	2.5	2.2								5.3	10.2
VARB.													
CALM												2.6	
	2.7	18.7	35.8	38.2	5.3	1.1						100.8	10.1

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

01  
MONTH

ALL WEATHER  
CLASS

1200-1800  
PERIOD (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	AVERAGE WIND SPEED
N	.2	1.1	2.6	2.9	.1							6.9	9.8
NNE	.2	.6	1.2	.7								2.7	8.8
NE	.1	1.3	1.1	.8								2.9	7.8
NNE		2.2	1.9	1.3								5.9	8.8
E		1.8	3.3	1.1								6.2	8.8
ESE		.4	.4	.8								1.1	8.8
SE	.2	.5	.6	.2								1.6	7.1
ESE	.1	.7	.8	.6								2.3	8.1
S	.5	1.8	2.6	3.8	.1							8.8	9.8
SE		.2	1.1	3.6	.8	.8						6.1	13.8
SSE	.1	.6	3.1	7.2	2.8	.8	.1					18.8	13.8
SW		1.1	2.3	3.8	1.8	.7	.1					9.6	13.8
WSW		.7	2.8	6.8	1.8							11.1	12.8
SW		.6	2.7	3.6	1.8	.1						8.8	12.1
WSW		.8	2.8	3.2	.8							7.8	11.1
WSW		.7	2.2	2.8								5.8	10.8
VALE												.8	
CALM												.8	
	1.6	18.7	38.8	81.7	8.7	2.8	.2					100.8	11.1

TOTAL NUMBER OF OBSERVATIONS 417

**GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC**

**SURFACE WINDS**

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

**725287**     **NIABARA FALLS, NY**     **12-81**     **ACT**

**ALL WEATHER**  
**CLAS**  
**CONDENSE**

**1800-1800**  
**FORM 0-0-1**

WIND DIRECTION	1-3	4-6	7-10	11-16	17-20	21-27	28-33	34-40	41-47	48-53	54-59	6	WIND SPEED
M	.0	1.0	2.6	1.0								2.2	0.2
NE	.2	1.1	2.8	.0								0.2	2.0
NNE	.1	1.1	2.9	1.1	.1							0.2	0.1
E		1.6	1.0	.0	.0							0.0	0.1
ESE		1.2	1.0	.0								1.0	0.2
SE		.0	.0	.2								1.2	2.0
SSE			.7	.0								1.1	10.1
S		.0	.0	.1								1.2	2.0
SSW	.0	2.0	2.0	1.2	.0							2.0	0.0
SW	.1	1.0	1.1	2.0	.0							2.0	10.0
WSW		.0	0.7	0.8	1.0	.0						1.2	12.0
W	.1	1.2	2.2	2.0	1.2	1.0	.1					1.0	12.1
WW		.0	2.2	0.8	.0	.0	.1					2.3	12.0
WNW		1.0	2.2	0.8	.2	.1						0.1	11.0
NW	.1	1.0	2.0	2.0	.1							0.2	0.0
NNW	.1	1.2	2.0	2.1	.2							0.2	10.2
WIND												.0	
COND													

**WIND NUMBER OF OBSERVATIONS**     **ACT**

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 NTARARA FALLS, NY 12-81 61  
STATION NUMBER YEAR

ALL WEATHER

1000-2000  
MONTH (1-0-0)

WIND DIRECTION OR CALM	1-3	4-6	7-10	11-15	17-20	22-27	28-30	34-40	41-50	45-55	200	%	WIND SPEED INDEX
N	.2	1.0	2.2	1.2								5.0	6.7
NNE	1.0	1.2	2.0									6.2	6.7
NE	.8	2.3	1.0	.6								5.8	6.7
NNE	.2	0.8	1.0	.6	.1							7.0	6.7
E	.7	1.0	2.2	1.0	.1							7.0	6.7
ESE		.7	1.2									1.0	7.0
SE	.1	.5	1.0									1.0	7.0
SSE	.2	1.0	1.0	.2								1.2	6.7
S	.8	1.0	1.0	1.1	.2							6.0	6.7
SSE		1.5	2.0	1.1								6.0	6.7
SE	.1	2.0	0.1	1.2	.7							10.2	6.7
SSE	.2	1.0	2.2	0.1	.7	.2						9.0	11.0
E		1.0	0.0	1.0	.0							10.0	10.0
ESE		1.2	0.0	1.0	.0							5.0	10.0
SE		.0	1.0	0.0	.0							5.0	11.0
SSE	.0	1.0	1.0	1.0	.1							5.0	0.7
SW												3.7	
WSW												100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 61

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

**PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM VISUAL OBSERVATIONS)**

72227 NIAGARA FALLS NY 13-81 851

ALL WEATHER

2100-2100  
 0000-0000

WIND DIRECTION MILES	1-0	0-0	7-10	11-10	17-20	21-27	28-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	.0	1.7	2.0	2.0										1.0
10	.2	1.2	1.0	.0										1.0
20	.2	1.2	.0	.0										1.0
30	.2	2.0	.0	.0										1.0
40	.2	2.0	2.0	1.0										1.0
50	.2	1.2	1.0	.0										1.0
60	.2	2.0	.0	.0										1.0
70	.0	1.0	2.0	2.0										1.0
80	.0	1.0	2.0	2.0										1.0
90	.0	1.0	2.0	2.0										1.0
100	.0	1.0	2.0	2.0										1.0
110	.0	1.0	2.0	2.0										1.0
120	.0	1.0	2.0	2.0										1.0
130	.0	1.0	2.0	2.0										1.0
140	.0	1.0	2.0	2.0										1.0
150	.0	1.0	2.0	2.0										1.0
160	.0	1.0	2.0	2.0										1.0
170	.0	1.0	2.0	2.0										1.0
180	.0	1.0	2.0	2.0										1.0
190	.0	1.0	2.0	2.0										1.0
200	.0	1.0	2.0	2.0										1.0
210	.0	1.0	2.0	2.0										1.0
220	.0	1.0	2.0	2.0										1.0
230	.0	1.0	2.0	2.0										1.0
240	.0	1.0	2.0	2.0										1.0
250	.0	1.0	2.0	2.0										1.0
260	.0	1.0	2.0	2.0										1.0
270	.0	1.0	2.0	2.0										1.0
280	.0	1.0	2.0	2.0										1.0
290	.0	1.0	2.0	2.0										1.0
300	.0	1.0	2.0	2.0										1.0
310	.0	1.0	2.0	2.0										1.0
320	.0	1.0	2.0	2.0										1.0
330	.0	1.0	2.0	2.0										1.0
340	.0	1.0	2.0	2.0										1.0
350	.0	1.0	2.0	2.0										1.0
360	.0	1.0	2.0	2.0										1.0

FORM 100-100 (REV. 1-60) PREPARED BY THE AIR WEATHER SERVICE

GLOBAL CLIMATOLOGY DIVISION  
 USAF/ETAS  
 AIR WEATHER SERVICE/RAC

**SURFACE WINDS**

**PERMANENT STATION OF WIND  
 OBSERVATION AND USE  
 (FROM WINDY OBSERVATIONS)**

1222Z ATLANTA, GA, GA 12-81 01  
 ALL WEATHER  
 (SEE PAGE)

DIR	1-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0
01														
02														
03														
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FORM 1222 (1-60)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

725227 NIAGARA FALLS NY 73-01 12N

ALL WEATHER

0000-0000

WIND SPEED (MPH)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	200	%	WIND DIRECTION
0	.5	1/4	1/2	1/2	.3							0.0	0
1-3	.5	.5	.5	.5								1.0	0
4-6	.2	.2	.2	.2								1.0	0
7-10	.7	2.1	2.2	.8								5.0	0
11-16	1.0	2.7	2.8	.7								6.7	0
17-21	.1	1.0	1.1	.8	.3							3.0	0
22-27	.1	1.0	.9									2.0	0
28-33	.7	1.3	1.5	2.1	.1							5.8	0
34-40	.1	1.0	2.0	1.0	.8							6.8	0
41-47	.1	1.1	2.0	2.0	.8	.2						6.2	10
48-55	.1	1.7	2.3	2.1	.2	.2	.2					6.6	11
200	.1	2.0	2.3	2.0	1.2	.1						10.0	10
	.1	1.0	1.1	1.1	.8	.1						6.8	10
	.1	1.0	.8	1.1	.8							6.0	10
	.1	1.0	.8	1.1	.8							6.0	10
	.1	1.0	.8	1.1	.8							6.0	10
												0.0	
												100.0	

FORM 1-65 (10-64) PREVIOUS EDITIONS ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 NIAGARA FALLS NY 73-81 NOV  
STATION NAME YEAR MONTH

ALL WEATHER  
CLASS

0000-1100  
HOURS (L.O.T.)

                      
CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-24	25-27	28-30	31-40	41-47	48-55	56	%	MEAN WIND SPEED
N	.2	.7	1.6	.4								3.0	2.5
NNE	.1	1.0	.8	.6								2.1	2.0
NE	.1	.9	.8	.6								2.5	2.0
NNE		1.0	1.2	.2								2.5	2.0
E	.6	2.0	2.5	1.6								6.8	6.5
ESE		.9	2.0	.9								3.7	6.5
SE	.1	.7	1.1									2.8	6.5
ESE	.1	.7	1.0	.2								2.1	2.0
S	.6	2.2	2.2	2.0	.2							10.0	9.5
SSE	.1	.6	2.0	2.4	.7							7.0	11.0
SE	.1	.8	2.7	2.9	1.1	.1	.1					10.0	12.5
SSE	.2	.6	2.0	2.1	1.5							10.0	12.0
S		.9	2.0	1.5	1.1	.6						10.0	12.5
SSE	.2	.8	2.0	2.7	.2							7.0	10.0
SE	.2	.8	1.6	2.0	.6	.2						5.0	11.0
SSE		.6	1.0	2.0	.5							6.5	10.0
SSE													
DATA												1.9	
	2.5	12.1	12.2	10.0	6.0	1.0	.1		.7			100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 615

REMARKS: FORM 048 (REV. 1) PREVIOUS EDITIONS ARE OBSOLETE.



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION NIABARA FALLS NY 71-81 YEARS NOV MONTH  
1500-1700 HOURS (L.C.T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNOTS) 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	1.6	1.7	.6								6.1	7.5
NNE	.1	1.1	.9									2.1	6.3
NE		2.0	1.6	.1								3.5	6.9
NNE	.1	.9	2.0	.1								3.1	7.3
E	.1	2.1	3.1	1.9								7.2	8.3
ESE	.1	.1	.6	.9								1.7	10.1
SE		.5	.6									.9	6.3
SSE	.1	.8	.2	.1	.1	.1						1.1	9.8
S	.2	1.0	1.2	2.7	.6	.1						5.9	11.1
SSW	.5	1.6	2.7	2.8	.2	.8						8.1	10.2
SW		1.0	1.2	2.2	1.0	.1	.1					12.6	12.1
WSW		.6	2.0	4.7	.9	.5	.8					11.0	13.6
W	.1	.9	1.6	9.8	2.5	.5	.1					17.8	13.8
WSW	.2	1.2	1.2	6.1	1.0							10.0	11.1
SW	.5	2.0	1.6	2.1	.8	.1						6.7	9.8
WSW	.2	1.2	1.1	1.6								6.2	9.8
WINDY													
CALM												.7	
	2.6	18.1	20.8	48.5	6.7	1.9	.4					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 216

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION NIABARA FALLS NY STATION NAME 73-81 YEARS NOV MONTH

ALL WEATHER  
 CLASS

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

CONDITION

SPEED (KNOTS) 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	.8	.6								2.5	7.8
NNE	.2	.9	.3									1.6	5.2
NE	.5	1.2	.6	.8								2.7	6.1
NNE	.7	3.2	1.8	.2								5.6	5.6
E	.1	1.6	4.7	1.6								8.0	8.8
ESE		1.2	1.0	.6								2.8	7.9
SE		.7	.9									1.1	6.0
SSE	.1	.6	.9	.1								1.7	7.1
S	.4	2.0	2.7	3.1	.6	.2						9.0	10.3
SSW		1.2	2.8	1.6								5.7	9.2
SW		2.1	2.7	4.1	.7							9.6	10.7
WSW	.4	1.7	2.6	4.3	1.0		.6					10.6	11.9
W	.2	2.7	6.9	8.8	1.1	.2						19.6	10.9
WW	.2	1.2	2.1	3.1	.6	.1						7.9	10.9
NW		1.1	.7	1.9	.2							4.0	10.8
NNW		1.0	1.7	2.6	.1							5.4	10.6
VAR													
CALM												2.6	
	3.1	28.8	32.1	32.6	8.8	.6	.6					100.0	9.9

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)

725287 STATION    NIAGARA FALLS NY STATION NAME    73-81 YEARS    NOV MONTH  
 CLASS ALL WEATHER    HOURS [L.S.T.] 2100-2300  
 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	1.8	.6	1.4								3.7	9.0
NNE	.2	.5	.1									.9	5.0
NE	.5	1.0	.5	.2								2.2	5.9
NNE	.9	2.1	2.0	.5								5.4	6.5
E	.7	3.3	3.5	1.8								8.9	7.3
ESE	.2	1.5	1.9	.2								3.8	6.8
SE		.9	.2									1.1	6.1
SSE	.8	.9	.2									1.5	5.0
S	.6	2.6	2.0	1.9	.2	.1						7.8	8.8
SSW		1.9	2.5	2.7		.1						7.2	9.3
SW	.1	1.8	2.5	3.5	1.2	.1	.1					8.9	11.8
WSW	.1	1.0	3.0	8.7	1.1	.6	.1					10.6	12.5
W	.8	2.6	7.0	9.8	1.8							20.7	10.9
WW	.1	1.7	1.5	2.2	.8							5.9	9.8
NW	.2	.5	1.0	2.1	.1	.1						8.1	11.3
NNW		1.0	1.8	1.6	.1							9.1	9.8
VARIABLE													
CALM												3.6	
	8.7	28.1	29.8	32.0	8.6	1.1	.2					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

725287 STATION      NIAGARA FALLS NY STATION NAME      73-81 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	.2	1.3	1.1	1.1	.0							3.7	8.3
NNE	.2	.9	.9	.3								1.8	6.9
NE	.3	1.0	.7	.3								2.3	6.8
ENE	.5	1.7	1.7	.9								4.2	6.6
E	.5	2.7	2.7	1.9	.0							7.9	7.6
ESE	.2	1.1	1.2	.6	.0							3.1	7.7
SE	.0	.8	.6	.1								1.5	7.0
SSE	.2	.8	.6	.1	.0	.0						1.7	6.6
S	.9	2.2	2.9	2.6	.3	.1						8.5	9.3
SSW	.1	1.1	2.4	2.6	.3	.1						6.7	10.3
SW	.1	1.2	2.7	4.8	.8	.1	.0					9.5	11.5
WSW	.2	1.2	2.7	4.9	1.2	.3	.2	.0				10.7	12.3
W	.3	2.0	6.0	9.3	1.9	.3	.0					19.3	11.5
WW	.2	1.3	2.3	3.1	.5	.0						7.8	10.5
WNW	.2	.8	1.3	2.0	.9	.1						6.7	10.8
NW	.1	.9	1.8	1.7	.1							6.1	9.8
VARS													
CALM												3.4	
	3.8	20.8	30.5	35.0	5.1	1.1	.3	.0				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 4880

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287  
 STATION

NIAGARA FALLS, NY  
 STATION NAME

73-81  
 YEARS

DEC  
 MONTH

ALL WEATHER  
 CLASS

0000-0200  
 HOURS (L.M.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	%	MIN WIND SPEED
N	.1	1.2	1.1	2.3	.1							3.8	3.2
NNE		.1	1.1	.6								1.8	3.7
NE		1.1	1.1	.6								2.5	2.8
NNE	.2	2.0	.8	.6		.6						3.7	3.1
E	.8	3.6	3.8	1.2	.1							9.6	7.1
ESE	.1	2.2	2.2	.6								4.8	7.0
SE		1.2	.6									1.8	6.0
ESE	.1	1.2	.6	.1								2.3	6.2
S	.6	2.2	1.8	3.1	.2							7.6	3.2
SE	.1	1.0	1.2	1.8	.2							3.9	10.8
SE	.1	1.1	1.2	3.1	1.6	.1						7.2	15.8
WSW	.1	1.8	3.8	8.7	1.8	.2						12.2	15.1
W	.2	8.7	6.8	8.1	3.6	.8						23.5	15.1
WSW		.7	1.3	1.0	.1	.1						3.2	15.2
SW	.1	.2	1.1	1.1	.5	.1	.1					3.2	15.8
WSW	.1	.7	1.8	1.8	.7		.1					4.9	11.8
VARIABLE													
CALM												3.0	
	2.6	28.5	28.4	28.7	8.1	1.6	.8					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 487

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 STATION NIAGARA FALLS NY YEAR 73-81 MONTH DEC  
 ALL WEATHER CLASS  
 OBSERVATION  
 0300-0500 HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	AVERAGE WIND SPEED
N	.8	1.1	1.6	1.7	.1							9.8	9.2
NNE		.7	.8	.8								1.7	8.1
NE		.8	.7	.8	.2							2.6	9.2
NNE	.8	1.6	.8	.7	.1							3.1	7.8
E	1.2	4.2	2.9	1.7								9.9	7.8
ESE		1.9	3.5	.8								8.7	7.6
SE		.2										.2	8.8
SSE		1.0	.8	.1								1.8	8.8
S	.5	2.9	3.3	1.6								8.3	7.8
SSW	.1	1.6	1.8	2.6	.2							5.5	10.8
SW		1.7	1.7	2.8	.8	.1						7.2	11.8
WSW		1.7	2.8	5.5	1.2	.1						11.7	11.8
W	.2	3.5	6.3	8.8	2.5	.6						21.5	11.8
WSW		1.8	1.1	1.8	.8							8.8	8.8
SW		.7	1.8	1.8	.8	.1	.1					8.2	11.8
WSW		.7	1.1	1.8	.2	.2	.1					8.1	11.8
WINDY													
CALM												3.2	
	2.8	24.8	28.5	31.2	8.7	1.2	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 216

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

725287 STATION MIABARA FALLS NY 73-81 YEARS DEC

ALL WEATHER CLASS

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

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.8	2.0	.8	.1							3.7	8.3
NNE		.8	.2	.8								1.8	2.4
NE	.2	.2	.5	.8	.5							1.8	18.8
NNE	.5	1.6	1.6	.1								3.7	6.4
E	2.2	3.1	3.3	3.8	.1							12.2	7.0
ESE	.8	1.6	1.7	.5								6.3	6.6
SE	.1	.5	.6									1.2	6.6
ENE	.2	1.1	1.0	.1								2.8	6.6
S	.8	2.2	3.8	1.6	.1							8.5	7.4
ENE		1.7	1.8	1.8	.8							5.8	18.3
ESE	.2	1.7	1.7	2.8	1.0							7.8	18.3
SWW		1.9	2.1	3.2	1.9	.2						10.2	11.6
W	.2	8.2	5.8	7.8	1.8	.8	.1					18.3	18.3
WSW		2.2	1.7	1.8	.8							6.2	6.2
SW		.8	.2	2.2	.8	.6						6.8	15.7
WSW	.2	.6	.8	2.2	.2	.2						6.2	11.6
SWW												3.3	
CALM													
	5.8	25.8	28.2	28.8	2.8	1.6	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

725287 NIABARA FALLS, NY 73-81 DEC  
STATION LOCATION NAME YEAR MONTH

ALL WEATHER  
CLASS

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

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.0	1.2	1.2								3.4	0.6
NNE	.1	.0	1.0	.2								1.7	1.6
NW		1.0	1.0	.0		.1						3.2	0.5
ENE	.0	2.5	2.2	.0	.2	.2						0.2	0.6
E	.0	1.0	2.3	1.0								7.3	0.5
ESE		.5	2.0	.7								3.2	0.6
SE		1.0	1.0	.1								2.0	7.5
SSE		1.1	.0	.5								2.0	7.5
S	.0	1.7	1.0	1.7	.2							0.9	0.7
SSW	.1	.5	1.2	2.0	.0		.1					0.0	12.0
SW		1.1	2.0	3.0	1.0	.7	.2					10.3	12.0
WSW		.7	1.7	0.0	1.0	1.0	.1					12.0	10.1
W	.1	1.3	3.0	0.0	1.0	.0						12.0	12.0
WNW	.1	1.0	2.1	0.0	1.0							0.7	11.0
NNW	.1	.7	1.1	2.0	0.0	.1						0.0	12.0
NNW	.2	1.0	.0	2.1	.0							0.0	10.0
TIME													
CORR												.0	
	0.0	1.0	2.0	3.0	2.0	1.7	.0					100.0	10.0

NO. OF OBSERVATIONS \_\_\_\_\_

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

725287  
STATION

NIABARA FALLS NY  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

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

CONVENTION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	1800- 2000 HOURS
N	.8	1.8	2.2	1.6	.1							5.6	8.8
NNE			.8	.2								1.1	2.1
NE	.1	1.8	.8		.8							2.8	2.2
NNE	.7	1.3	1.0	.8	.2	.8						8.0	8.8
E	.1	1.9	2.8	1.7	.2							7.6	8.8
ESE	.2	.8	2.8	1.1								8.1	8.8
SE	.1	.8	2.3									3.2	2.8
ESE	.8	.7	.7	.8								2.2	8.2
S	.2	1.3	2.3	1.9								8.7	8.8
SSE	.1	1.2	.2	1.2	.8	.8						3.7	12.2
S		2.0	1.6	8.2	1.1	.8	.1					8.7	12.2
SSE	.8	2.0	8.2	8.2	.7	.8						18.7	11.2
S		2.8	8.7	18.8	1.8		.1					19.2	11.2
SSE	.1	1.8	1.8	1.8	.8	.8						8.2	18.2
SW	.1	.8	1.1	1.8	.8	.2						8.2	12.2
WSW	.1	.7	1.1	1.8	.7							8.2	11.2
SW												3.8	
SW												100.0	

WIND CLASSIFICATION

USAFETAC FORM 8446 (11-73) DERIVED FROM THE 1973 AIR WEATHER SERVICE HANDBOOK

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

725287 NIABARA FALLS NY

73081

DEC

ALL WEATHER

2100-2300  
hours (L.O.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-20	20-27	28-33	34-40	41-47	48-55	≥60	%	WIND SPEED DIR.
N	.1	1.0	2.0	1.0								5.0	4.0
NNE	.1	1.2	.8	.2								1.8	4.7
NE	.1	.8	.8	.1	.1	.1						1.7	4.5
NNE	.8	1.8	1.2	.2	.2							3.0	7.5
E	1.0	2.0	1.8	2.0	.1							9.7	8.0
ESE	.1	1.0	2.2	.8								6.1	7.5
SE	.1	.7	1.2	.7								2.7	7.5
SE	.1	.8	.1	.1								1.6	6.5
S	.2	2.2	2.1	2.0	.1							7.8	9.0
SSE	.1	1.0	1.0	1.0	.2							3.7	10.5
SSE	.1	1.1	1.1	1.2	1.0	.1	.2	.1				7.7	12.7
SSE	.1	1.7	2.0	2.0	1.2	.2	.2					11.8	18.8
S		2.0	2.0	10.0	1.0	.8						21.1	15.5
SSW		1.0	1.0	1.0	.8	.1						6.8	10.0
SSW		.2	.1	2.1	.8	.1						3.8	12.5
SSW	.1	1.1	1.0	1.7	.1	.1						6.4	10.0
SW	X	X	X	X	X	X	X	X	X	X	X	8.8	
WSW	X	X	X	X	X	X	X	X	X	X	X	10.0	8.0

WARNING: THIS FORM IS A REPRODUCTION OF THE ORIGINAL FORM.

2  
 GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

725207 STATION: NIARARA FALLS NY STATION NAME: 73-81 YEARS: DEC 1976  
 ALL WEATHER CLASS: ALL NUMBER (L.O.C.):

SPEED (MPH) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-30	31-40	41-50	48-55	200	%	TOTAL WIND SPEED
N	.2	1.0	1.0	1.2	.1							6.0	9.0
NNE	.1	.0	.0	.0	.0	.0						1.0	0.0
NE	.1	.0	1.0	.0	.2	.0						2.3	0.0
NNE	.0	1.7	1.2	.5	.2	.1						6.1	7.0
E	.0	2.0	3.5	2.3	.1							9.3	0.1
ESE	.2	1.3	2.1	.0	.0							6.1	7.7
SE	.0	.0	.0	.1								1.7	0.0
ESE	.2	1.0	.0	.2								2.2	0.0
S	.0	2.0	3.0	2.2	.1							7.0	0.7
SSE	.1	1.2	1.1	2.1	.0	.1	.0					5.1	11.3
SSE	.1	1.3	1.7	3.0	1.3	.0	.1	.0				6.0	12.0
SW	.1	1.0	2.0	5.0	1.7	.0	.0	.0				12.1	12.0
WSW	.1	3.0	5.1	0.0	2.0	.0	.0					19.3	11.0
W	.0	1.0	1.0	2.0	.0	.1						5.0	10.0
WSW	.0	.0	1.2	2.0	.0	.2	.0					0.0	12.0
W	.1	.7	1.2	2.1	.0	.1	.0					0.0	11.0
WSW												2.0	
SW												100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 4400

REMARKS: THIS FORM (00-8) REQUIRES EDITING OF THE FORM AND SHOULD BE USED AS A GUIDE.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725287  
STATION

NIAGARA FALLS, NY  
STATION NAME

73-81  
YEARS

ALL  
MONTHS

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) 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	1.6	1.7	1.1	.1	.0						4.8	8.1
NNE	.2	.8	.9	.8	.0	.0						2.3	7.6
NE	.2	.9	1.2	.7	.1	.0						3.2	8.3
NNE	.5	1.7	1.5	1.0	.1	.0						4.8	7.8
E	.7	2.5	2.4	1.3	.1	.0						7.0	7.5
ESE	.2	1.0	1.0	.3	.0	.0						2.6	6.9
SE	.2	.7	.6	.1								1.6	6.6
ESE	.2	.9	.6	.2	.0	.0	.0					1.9	6.6
S	.6	3.1	3.5	1.9	.2	.0	.0					9.3	8.1
SSE	.3	1.8	2.9	2.3	.3	.1	.0	.0				7.6	9.3
SE	.3	2.1	3.3	3.7	.9	.2	.1	.0	.0			12.6	10.8
SSE	.3	1.5	2.9	3.0	1.1	.8	.1	.0	.0			10.3	11.7
W	.3	2.0	1.3	3.7	1.0	.2	.0	.0				11.5	11.0
WSW	.2	1.3	2.0	2.2	.8	.1	.0					6.2	10.2
W	.2	1.3	2.0	2.8	.3	.1	.0					6.7	10.2
WSW	.2	1.0	1.6	1.8	.2	.0	.0					6.3	9.8
VALE												4.4	
GR													
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

78832

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725287 STATION NIAGARA FALLS NY STATION NAME 73-81 YEARS ALL MONTHS

INSTRUMENT  
CLASS

ALL  
MOON (L.O.V.)

CIG 200 TO 1600 FT W/ VSBY 1/2 MI OR MORE.  
COMBINATION

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥61	%	MEAN WIND SPEED
N	.8	1.2	2.0	2.5	.2	.0						6.8	9.7
NNE	.1	.7	1.5	1.8	.1	.0						3.6	9.3
NE	.2	.8	1.9	1.8	.8	.1						5.3	10.2
NNE	.2	1.9	2.5	2.5	.9	.2						7.3	10.2
E	.5	1.7	2.7	2.5	.2	.0						7.6	9.1
ESE	.2	.8	1.0	.3	.0							2.3	7.3
SE	.1	.5	.8	.0								1.0	6.8
SSE	.1	.8	.5	.1	.0							1.5	6.1
S	.6	2.1	2.0	1.1	.1	.0						6.0	7.6
SSW	.3	1.8	2.2	1.8	.2	.0	.8					6.1	8.8
SW	.3	2.2	1.8	8.3	1.0	.8	.2	.1				12.1	11.2
WSW	.8	1.6	2.8	8.5	1.1	.7	.3	.0				11.8	12.2
W	.3	1.6	2.7	3.8	.9	.3	.0					9.7	11.2
WSW	.2	1.3	1.8	1.9	.6	.1						5.8	10.8
W	.1	1.0	1.6	2.3	.3	.1	.0					5.8	10.7
WNW	.2	.8	1.7	2.2	.3	.1						5.8	10.7
VARS													
CALM	X	X	X	X	X	X	X	X	X	X	X	3.1	
	8.8	20.8	11.8	12.6	8.8	2.1	.8	.1				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 11766

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.

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING																	
≥ 1800																	
≥ 1500					91.0												92.6
≥ 1200																	
≥ 1000																	
≥ 900																	
≥ 800																	
≥ 700																	
≥ 600																	
≥ 500										97.4							98.1
≥ 400																	
≥ 300																	
≥ 200																	
≥ 100																	
≥ 0					95.4		96.9			98.3							100.0

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

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

**EXAMPLE # 3** To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq$  1500 feet with visibility  $\geq$  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  $> 1$  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

725287 NIAGARA FALLS, NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	16.0	19.2	19.9	19.9	20.1	20.2	20.2	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
IV W 18000 16000	16.9	20.0	20.7	20.7	21.0	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
IV W 14000 12000	17.0	20.1	20.8	20.8	21.1	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
IV W 10000 9000	18.9	22.2	22.9	22.9	23.1	23.2	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
IV W 8000 7000	20.0	23.5	24.2	24.2	24.4	24.6	24.6	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV W 6000 5000	20.6	24.2	24.9	24.9	25.1	25.3	25.3	25.4	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
IV W 4500 4000	24.1	28.5	29.7	30.2	30.4	30.7	30.7	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
IV W 3500 3000	27.4	33.4	34.9	35.4	35.8	36.0	36.0	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV W 2500 2000	39.3	47.9	50.1	51.1	52.5	53.2	53.4	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV W 1800 1500	43.8	56.8	60.0	62.3	64.2	65.9	66.5	66.8	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV W 1200 1000	49.2	65.1	69.1	72.8	75.8	78.3	80.4	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV W 900 800	50.4	67.8	71.9	75.7	79.5	83.1	85.1	86.0	86.1	86.7	87.2	87.2	87.2	87.2	87.2	87.2
IV W 700 600	50.9	68.8	72.9	76.5	80.0	84.1	87.1	87.7	88.1	89.1	89.7	89.7	89.7	89.7	89.7	89.7
IV W 500 400	50.9	68.8	73.1	77.0	81.2	85.7	89.1	90.9	91.4	92.5	93.3	93.3	93.4	93.4	93.4	93.4
IV W 300 200	50.9	68.8	73.1	77.8	82.0	87.1	91.7	94.1	95.4	96.5	97.0	97.0	97.0	97.0	97.0	97.0
IV W 100 0	50.9	68.8	73.1	77.8	82.0	87.1	91.7	94.1	95.4	96.5	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	18.3	20.5	21.6	21.9	22.2	22.2	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
≥ 20000	19.1	21.5	22.6	22.8	23.2	23.2	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3
IV 18000	19.1	21.5	22.6	22.8	23.2	23.2	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3
IV 16000	19.4	21.7	22.8	23.1	23.4	23.4	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5
IV 14000	19.4	21.7	22.8	23.1	23.4	23.4	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5
IV 12000	20.3	22.7	23.8	24.1	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6
IV 10000	21.3	23.7	24.7	25.1	25.4	25.4	25.4	25.4	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6
IV 9000	21.3	23.7	24.7	25.1	25.4	25.4	25.4	25.4	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6
IV 8000	21.9	24.4	25.4	25.8	26.2	26.2	26.2	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IV 7000	22.3	24.9	25.9	26.3	26.6	26.6	26.6	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8
IV 6000	22.8	25.3	26.4	26.8	27.1	27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2
IV 5000	23.9	26.9	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8
IV 4500	25.3	29.0	30.1	30.7	31.2	31.2	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 4000	26.0	30.0	31.1	31.9	32.4	32.4	32.4	32.4	32.4	32.7	32.7	32.7	32.7	32.7	32.7	32.7
IV 3500	28.2	32.4	33.6	34.5	35.0	35.4	35.6	35.6	35.6	35.8	35.8	36.0	36.0	36.0	36.0	36.0
IV 3000	30.6	36.8	38.8	40.0	40.5	41.0	41.2	41.2	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.6
IV 2500	37.0	45.8	48.4	50.4	51.4	52.0	52.2	52.2	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.6
IV 2000	48.7	55.9	59.5	63.0	64.5	65.2	66.2	66.4	66.5	66.8	67.0	67.0	67.0	67.0	67.0	67.0
IV 1800	45.5	57.9	61.6	65.2	66.8	67.5	68.7	68.9	69.1	69.3	69.5	69.5	69.5	69.5	69.5	69.5
IV 1500	48.3	63.1	67.0	71.9	73.8	75.0	76.9	77.3	77.4	77.8	78.0	78.0	78.0	78.0	78.0	78.0
IV 1200	48.9	64.6	68.7	73.7	75.7	77.3	79.7	80.2	80.3	80.8	81.0	81.0	81.0	81.0	81.0	81.0
IV 1000	50.1	67.0	71.1	76.3	78.6	80.4	83.3	84.0	84.1	84.8	85.2	85.2	85.2	85.2	85.2	85.2
IV 900	50.4	67.9	72.2	77.5	79.8	82.0	84.7	85.4	85.5	86.0	86.3	86.3	86.3	86.3	86.3	86.3
IV 800	50.7	68.5	73.1	78.7	81.4	83.7	87.1	88.1	88.2	88.8	89.2	89.2	89.2	89.2	89.2	89.2
IV 700	50.9	68.9	73.7	79.8	82.6	85.4	88.8	89.8	90.1	90.6	90.8	90.8	90.8	90.8	90.8	90.8
IV 600	50.9	68.9	73.8	80.0	83.0	86.1	89.7	90.9	91.3	92.0	92.3	92.3	92.3	92.3	92.3	92.3
IV 500	50.9	68.9	74.2	80.4	83.6	87.0	90.9	92.0	93.4	94.0	94.6	95.0	95.3	95.3	95.3	95.3
IV 400	51.0	69.3	74.6	81.0	84.1	87.7	92.0	93.0	94.2	95.0	95.6	96.0	96.3	96.3	96.3	96.3
IV 300	51.0	69.3	74.6	81.0	84.1	87.7	92.0	93.0	94.2	95.0	95.6	96.0	96.3	96.3	96.3	96.3
IV 200	51.0	69.3	74.6	81.0	84.1	87.7	92.0	93.0	94.2	95.0	95.6	96.0	96.3	96.3	96.3	96.3
IV 100	51.0	69.3	74.6	81.0	84.1	87.7	92.0	93.0	94.2	95.0	95.6	96.0	96.3	96.3	96.3	96.3
IV 0	51.0	69.3	74.6	81.0	84.1	87.7	92.0	93.0	94.2	95.0	95.6	96.0	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS, NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0400-0900

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	16.6	19.0	20.0	20.2	20.4	20.5	20.9	20.9	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.0
≥20000	17.7	20.8	21.7	22.0	22.2	22.3	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥18000	17.7	20.8	21.7	22.0	22.2	22.3	22.7	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9
≥16000	17.8	20.9	21.9	22.1	22.3	22.4	22.8	22.9	22.9	22.9	23.1	23.1	23.1	23.1	23.1	23.1
≥14000	18.0	21.1	22.1	22.5	22.7	22.8	23.2	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.4
≥12000	18.4	22.0	23.1	23.8	23.7	23.8	24.1	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.4	24.4
≥10000	19.2	22.6	23.7	24.0	24.4	24.5	24.9	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.1	25.1
≥9000	19.7	23.3	24.4	24.7	25.1	25.2	25.6	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8
≥8000	20.2	24.3	25.3	25.7	26.0	26.2	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥7000	20.3	24.4	25.4	25.8	26.2	26.3	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥6000	21.0	25.6	26.6	27.0	27.4	27.5	27.8	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.1
≥5000	22.0	27.1	28.1	28.5	29.0	29.1	29.4	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8
≥4500	23.7	29.5	30.9	31.4	31.9	32.0	32.4	32.5	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6
≥4000	24.9	30.9	32.4	33.0	33.5	33.6	34.0	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2
≥3500	26.3	33.2	34.8	35.4	36.0	36.1	37.2	37.3	37.4	37.5	37.6	37.6	37.6	37.6	37.6	37.6
≥3000	28.4	36.3	38.2	39.0	40.0	40.1	41.3	41.5	41.7	41.8	42.1	42.1	42.1	42.1	42.1	42.1
≥2500	33.7	43.7	46.2	47.7	49.0	49.2	49.9	50.2	50.4	50.5	50.8	50.8	50.8	50.8	50.8	50.8
≥2000	38.4	52.3	55.8	57.9	59.9	60.2	61.9	62.1	62.3	62.5	62.7	62.7	62.7	62.7	62.7	62.7
≥1800	39.7	53.8	57.5	60.0	62.8	62.8	64.3	64.6	65.0	65.2	65.4	65.6	65.6	65.6	65.6	65.6
≥1500	42.4	58.3	63.2	66.5	69.7	71.1	73.3	73.8	74.1	74.3	74.5	74.7	74.7	74.7	74.7	74.7
≥1200	43.4	60.7	65.8	69.9	72.8	75.0	77.7	78.5	78.9	79.1	79.5	79.5	79.5	79.5	79.5	79.5
≥1000	43.6	61.8	68.3	72.8	74.8	79.0	82.3	83.8	84.0	84.3	84.8	84.8	84.8	84.8	84.8	84.8
≥900	44.0	62.8	69.8	74.1	78.4	81.8	84.3	85.9	86.8	86.9	87.5	87.5	87.5	87.5	87.5	87.5
≥800	44.4	63.7	71.0	75.9	80.2	83.8	87.1	88.6	89.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0
≥700	44.4	63.8	71.4	76.8	82.0	86.7	90.0	91.8	92.8	92.8	93.8	93.8	93.8	93.8	93.8	93.8
≥600	44.6	64.0	71.6	76.6	82.2	86.8	90.7	92.7	94.0	95.0	95.9	95.9	95.9	95.9	95.9	95.9
≥500	44.6	64.0	71.6	76.6	82.2	86.8	90.7	92.7	94.0	95.0	95.9	95.9	95.9	95.9	95.9	95.9
≥400	44.6	64.0	71.6	76.6	82.2	86.8	90.7	92.7	94.0	95.0	95.9	95.9	95.9	95.9	95.9	95.9
≥300	44.6	64.0	71.6	76.6	82.2	86.8	90.7	92.7	94.0	95.0	95.9	95.9	95.9	95.9	95.9	95.9
≥200	44.6	64.0	71.6	76.6	82.2	86.8	90.7	92.7	94.0	95.0	95.9	95.9	95.9	95.9	95.9	95.9
≥100	44.6	64.0	71.6	76.6	82.2	86.8	90.7	92.7	94.0	95.0	95.9	95.9	95.9	95.9	95.9	95.9
0	44.6	64.0	71.6	76.6	82.2	86.8	90.7	92.7	94.0	95.0	95.9	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS 632

USAF ETAC (FORM 6-59 (REV. 1-64)) PROVIDES EXAMPLES OF THE FORM AND CHECKS

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
MOON 1171

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	16.9	21.0	21.4	22.1	22.3	22.3	22.4	22.4	22.6	22.6	22.6	22.6	22.6	22.6	22.7	22.7
IV 20000	18.0	22.6	23.2	24.0	24.2	24.4	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8
IV 18000	18.2	22.9	23.5	24.4	24.6	24.7	25.0	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.2	25.2
IV 16000	19.1	23.8	24.4	25.2	25.5	25.6	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.9	26.1	26.1
IV 14000	19.2	24.7	25.3	26.4	26.7	26.8	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.3	27.3
IV 12000	19.7	25.7	26.3	27.4	27.6	27.7	28.0	28.0	28.1	28.2	28.2	28.2	28.2	28.2	28.3	28.3
IV 10000	20.3	26.9	27.6	28.7	29.1	29.3	29.5	29.5	29.7	29.8	29.8	29.8	29.8	29.8	29.9	29.9
IV 9000	20.4	27.6	28.4	29.7	30.0	30.2	30.5	30.5	30.6	30.7	30.7	30.7	30.7	30.7	30.9	30.9
IV 8000	21.2	29.3	30.4	31.5	31.8	32.1	32.3	32.3	32.4	32.5	32.5	32.5	32.5	32.5	32.7	32.7
IV 7000	21.4	29.8	30.9	31.9	32.3	32.5	32.8	32.8	32.9	33.0	33.0	33.0	33.0	33.0	33.1	33.1
IV 6000	21.6	30.4	31.6	32.7	33.1	33.4	33.6	33.6	33.7	33.9	33.9	33.9	33.9	33.9	34.0	34.0
IV 5000	22.4	31.8	32.7	33.7	34.2	34.6	34.8	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.2	35.2
IV 4500	23.4	33.0	34.5	35.9	36.4	36.7	37.0	37.0	37.1	37.2	37.2	37.2	37.2	37.2	37.3	37.3
IV 4000	23.9	34.0	35.4	37.1	37.6	38.2	38.7	38.7	38.8	38.9	38.9	38.9	38.9	38.9	39.0	39.0
IV 3500	25.6	36.6	38.2	40.2	41.1	41.8	42.3	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.7	42.7
IV 3000	26.3	38.3	40.0	42.5	43.8	44.9	45.9	45.9	46.4	46.7	46.7	46.7	46.7	46.7	46.9	46.9
IV 2500	28.9	44.2	46.6	49.7	51.4	53.4	54.3	54.6	54.7	55.0	55.2	55.2	55.3	55.3	55.5	55.5
IV 2000	32.2	48.9	51.8	55.7	57.8	59.8	61.1	61.8	61.8	62.1	62.3	62.3	62.3	62.3	62.7	62.7
IV 1800	32.4	48.9	52.3	56.1	58.8	60.7	62.3	62.8	63.1	63.4	63.7	63.7	63.9	63.9	64.0	64.0
IV 1500	34.8	53.1	57.4	61.7	64.7	68.2	70.8	71.8	72.8	73.0	73.4	73.4	73.7	73.7	73.8	73.8
IV 1200	35.3	53.8	58.8	63.6	67.2	71.8	74.4	76.2	77.3	78.3	79.2	79.5	79.6	79.6	79.7	79.7
IV 1000	35.4	54.0	59.4	64.5	68.1	72.8	75.8	77.9	79.5	81.4	83.1	83.6	83.7	83.7	83.8	83.8
IV 900	35.4	54.3	59.8	65.1	68.8	73.8	76.8	78.8	80.4	82.8	84.8	85.0	85.4	85.4	85.5	85.5
IV 800	35.4	54.7	60.7	65.8	70.1	75.2	78.9	81.7	83.4	85.8	88.2	89.1	89.8	89.8	89.9	89.9
IV 700	35.4	54.8	60.9	66.8	70.8	76.1	79.8	82.7	85.1	87.8	90.4	91.2	92.1	92.1	92.2	92.2
IV 600	35.4	54.8	60.6	66.4	71.1	76.8	79.8	83.2	85.8	88.4	91.8	92.8	93.7	93.7	93.8	93.8
IV 500	35.4	54.6	60.6	66.7	71.2	76.7	80.7	84.3	87.2	89.9	93.0	94.0	95.0	95.0	95.3	95.3
IV 400	35.4	54.7	60.7	66.8	71.3	76.8	81.2	84.1	87.2	91.0	94.8	95.8	96.8	96.8	97.0	97.0
IV 300	35.4	54.7	60.7	66.9	71.3	76.8	81.2	84.1	87.2	91.0	94.8	95.8	96.8	96.8	97.2	97.2
IV 200	35.4	54.7	60.7	66.9	71.3	76.8	81.2	84.1	87.2	91.0	94.8	95.8	96.8	96.8	97.2	97.2
IV 100	35.4	54.7	60.7	66.9	71.3	76.8	81.2	84.1	87.2	91.0	94.8	95.8	96.8	96.8	97.2	97.2
IV 0	35.4	54.7	60.7	66.9	71.3	76.8	81.2	84.1	87.2	91.0	94.8	95.8	96.8	96.8	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 1171

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS, NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	17.4	20.8	21.0	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 20000	20.8	25.0	25.3	25.4	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 18000	21.3	25.6	25.9	26.4	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ 16000	21.6	25.8	26.3	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ 14000	23.3	28.0	28.3	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
≥ 12000	24.9	29.4	29.7	30.1	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 10000	25.3	30.8	31.2	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 9000	25.4	31.1	31.6	32.1	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 8000	26.4	32.1	32.7	33.4	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 7000	26.6	32.4	33.1	33.8	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 6000	26.8	33.3	34.1	34.9	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 5000	27.7	34.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 4500	28.2	36.0	36.6	38.1	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 4000	29.1	37.1	37.9	39.6	39.6	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 3500	30.0	38.7	39.7	41.7	42.3	42.3	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 3000	30.7	40.3	41.5	43.7	44.3	44.3	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 2500	34.1	45.4	48.4	51.3	53.3	54.1	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 2000	37.7	50.1	53.1	56.2	58.2	58.9	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 1800	37.9	51.4	55.3	59.3	62.0	64.2	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 1500	40.0	55.4	60.3	65.4	68.0	71.4	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 1200	41.0	56.7	61.9	67.1	72.4	76.8	78.4	81.2	81.8	82.4	83.0	83.4	83.8	83.8	83.8	83.8
≥ 1000	41.1	57.1	62.6	68.1	73.7	78.0	80.7	83.5	84.1	84.6	85.0	85.4	85.8	85.8	85.8	85.8
≥ 900	41.1	57.1	63.0	69.2	74.5	79.0	81.8	84.6	85.2	85.7	86.1	86.5	86.9	86.9	86.9	86.9
≥ 800	41.1	57.4	63.5	69.8	75.1	79.7	82.5	85.3	85.9	86.4	86.8	87.2	87.6	87.6	87.6	87.6
≥ 700	41.1	57.6	63.9	70.1	75.6	80.3	83.1	85.9	86.5	87.0	87.4	87.8	88.2	88.2	88.2	88.2
≥ 600	41.1	57.6	64.0	70.4	76.0	80.7	83.5	86.3	86.9	87.4	87.8	88.2	88.6	88.6	88.6	88.6
≥ 500	41.1	57.6	64.1	70.7	76.3	81.0	83.8	86.6	87.2	87.7	88.1	88.5	88.9	88.9	88.9	88.9
≥ 400	41.1	57.6	64.2	71.0	76.6	81.3	84.1	86.9	87.5	88.0	88.4	88.8	89.2	89.2	89.2	89.2
≥ 300	41.1	57.6	64.3	71.3	76.9	81.6	84.4	87.2	87.8	88.3	88.7	89.1	89.5	89.5	89.5	89.5
≥ 200	41.1	57.6	64.4	71.6	77.2	81.9	84.7	87.5	88.1	88.6	89.0	89.4	89.8	89.8	89.8	89.8
≥ 100	41.1	57.6	64.5	71.9	77.5	82.0	84.8	87.6	88.2	88.7	89.1	89.5	89.9	89.9	89.9	89.9
0	41.1	57.6	64.6	72.2	77.8	82.1	84.9	87.7	88.3	88.8	89.2	89.6	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS: 222

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 725287 NIAGARA FALLS NY YEAR 73-81 MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOUR U.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	16.5	19.5	20.3	20.4	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 20000	19.2	22.8	23.8	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
IN 18000	19.2	22.8	23.8	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
IN 16000	19.9	23.1	24.0	24.2	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IN 14000	20.7	24.6	25.6	25.7	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IN 12000	21.8	26.1	27.0	27.2	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IN 10000	22.6	27.4	28.4	28.5	29.1	29.1	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
IN 9000	22.6	27.4	28.4	28.7	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
IN 8000	24.5	29.7	30.8	31.1	31.7	31.7	31.7	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
IN 7000	25.8	31.3	32.3	32.7	33.3	33.3	33.3	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
IN 6000	26.1	31.9	32.9	33.3	34.0	34.0	34.0	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IN 5000	27.9	34.3	35.4	36.0	37.0	37.0	37.0	37.4	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IN 4500	29.0	35.9	37.3	38.1	39.2	39.3	39.3	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IN 4000	29.6	37.0	38.4	39.5	40.7	41.2	41.3	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IN 3500	30.8	39.1	40.7	41.8	43.1	43.6	43.6	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IN 3000	32.7	41.6	43.5	44.7	46.3	47.1	47.2	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IN 2500	35.7	46.4	49.0	50.9	53.2	54.9	55.4	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IN 2000	38.3	51.2	54.0	57.0	61.1	63.2	63.8	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IN 1800	39.2	52.9	56.9	59.3	63.8	65.7	66.4	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IN 1500	39.8	54.7	61.8	65.5	70.8	73.8	75.0	76.3	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IN 1200	40.3	57.7	63.2	68.0	74.3	77.6	79.3	80.9	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IN 1000	40.6	58.1	63.8	68.5	75.7	79.3	81.1	82.9	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IN 900	40.7	58.4	64.2	69.8	77.8	80.8	82.6	84.4	86.2	87.0	87.9	88.1	88.5	88.7	89.1	89.3
IN 800	40.7	58.5	64.3	70.3	77.9	81.0	82.8	84.6	86.4	88.2	89.1	89.5	89.9	90.1	90.5	90.7
IN 700	40.7	58.4	64.4	70.4	77.9	82.0	83.8	85.6	87.4	89.1	91.2	91.5	91.8	92.1	92.4	92.7
IN 600	40.7	58.4	64.5	70.7	78.0	82.1	83.9	85.7	87.5	89.1	91.1	92.8	93.0	93.3	93.6	93.9
IN 500	40.7	58.4	64.7	70.9	78.2	82.9	84.7	86.5	88.3	90.3	91.9	94.0	94.2	95.3	96.0	96.5
IN 400	40.7	58.4	64.7	71.0	78.3	83.0	84.8	86.6	88.4	90.4	92.3	94.4	94.6	95.7	96.4	96.9
IN 300	40.7	58.4	64.7	71.0	78.4	83.1	84.9	86.7	88.5	90.5	92.5	94.6	94.8	95.9	96.6	97.1
IN 200	40.7	58.4	64.7	71.0	78.4	83.2	85.0	86.8	88.6	90.6	92.6	94.7	94.9	96.0	96.7	97.2
IN 100	40.7	58.4	64.7	71.0	78.4	83.3	85.1	86.9	88.7	90.7	92.7	94.8	95.0	96.1	96.8	97.3
IN 0	40.7	58.4	64.7	71.0	78.4	83.3	85.1	86.9	88.7	90.7	92.7	94.8	95.0	96.1	96.8	97.3

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS, NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	18.8	21.4	21.4	21.5	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 20000	20.8	21.3	21.3	21.4	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
IVN 18000	20.8	23.4	23.4	23.5	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
IVN 16000	20.8	23.4	23.4	23.5	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
IVN 14000	21.0	23.9	23.9	24.0	24.1	24.1	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
IVN 12000	21.6	24.4	24.4	24.7	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
IVN 10000	22.8	25.9	25.9	26.0	26.2	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IVN 9000	23.1	26.3	26.3	26.4	26.5	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
IVN 8000	23.5	26.9	26.9	27.0	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
IVN 7000	23.8	27.0	27.0	27.1	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IVN 6000	24.0	27.6	27.7	28.1	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
IVN 5000	26.0	30.3	30.4	31.2	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IVN 4500	28.7	33.3	33.4	34.2	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IVN 4000	30.8	36.1	36.1	37.0	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IVN 3500	32.9	38.4	38.4	39.7	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IVN 3000	34.1	42.3	42.3	44.0	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IVN 2500	39.4	49.9	50.7	52.7	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IVN 2000	45.2	57.8	58.3	61.0	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IVN 1800	46.7	60.0	61.4	64.2	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IVN 1500	50.7	65.8	67.1	71.1	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IVN 1200	52.0	67.4	69.7	74.1	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IVN 1000	52.8	69.1	71.6	76.0	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IVN 900	52.9	69.4	71.9	76.3	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IVN 800	53.0	69.5	72.0	77.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IVN 700	53.0	69.9	72.5	78.3	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IVN 600	53.2	70.0	72.6	78.5	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IVN 500	53.2	70.0	72.9	78.6	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IVN 400	53.2	70.0	72.9	78.6	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IVN 300	53.2	70.0	72.9	78.6	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IVN 200	53.2	70.0	73.0	79.0	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IVN 100	53.2	70.0	73.0	79.0	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IVN 0	53.2	70.0	73.0	79.0	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6

TOTAL NUMBER OF OBSERVATIONS: 622

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	26	25	24	23	22½	22	21½	21¼	21	20¾	20½	20¼	20	19½	20
NO CEILING	18.9	21.6	22.2	22.6	22.6	22.6	22.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 20000	20.2	23.1	23.7	24.0	24.0	24.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 18000	20.2	23.1	23.7	24.0	24.0	24.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 16000	20.2	23.1	23.7	24.0	24.0	24.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 14000	20.2	23.1	23.7	24.0	24.0	24.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 12000	21.0	23.9	24.5	24.9	24.9	24.9	25.0	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 10000	21.1	24.0	24.6	25.0	25.0	25.0	25.1	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
≥ 9000	21.5	24.4	25.0	25.3	25.3	25.3	25.4	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 8000	22.0	24.9	25.4	25.8	25.8	25.8	25.9	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 7000	22.4	25.4	25.9	26.3	26.3	26.3	26.4	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 6000	22.8	25.9	26.4	26.8	26.8	26.8	26.9	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 5000	24.7	28.2	29.2	29.9	29.9	29.9	30.0	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 4500	27.1	31.2	32.1	32.9	33.1	33.1	33.2	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 4000	29.5	34.2	35.2	36.2	36.4	36.4	36.4	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 3500	31.5	36.2	37.4	38.4	38.6	38.6	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 3000	34.1	42.1	43.4	45.0	45.2	45.2	45.3	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 2500	41.7	49.6	52.2	54.2	55.6	55.6	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 2000	47.5	58.8	61.9	65.0	66.7	66.7	67.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 1800	48.3	60.1	63.3	66.7	67.8	68.0	69.0	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1500	51.0	64.3	68.0	73.9	75.8	75.8	76.7	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1200	53.4	67.7	71.4	78.0	77.8	79.4	81.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1000	54.9	68.9	72.8	77.1	80.2	82.0	83.8	85.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 900	54.4	69.1	73.0	77.0	80.9	82.0	85.2	87.5	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 800	54.5	69.2	73.0	78.0	82.2	83.0	86.7	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700	54.8	69.5	73.0	79.4	83.2	85.2	89.3	90.0	91.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	54.9	69.5	73.0	79.4	83.2	85.2	89.3	91.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	54.8	69.7	74.0	79.7	83.5	86.7	89.6	92.1	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 400	54.9	69.7	74.0	80.2	84.1	87.1	90.7	93.7	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300	54.8	69.8	74.2	80.4	84.1	87.4	91.3	93.9	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 200	54.8	69.8	74.2	80.4	84.1	87.4	91.3	93.9	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 100	54.8	69.9	74.4	80.6	84.6	88.2	91.9	94.6	95.9	97.0	97.7	98.0	98.0	98.0	98.0	98.0
0	54.8	69.9	74.4	80.6	84.6	88.2	91.9	94.6	95.9	97.0	97.7	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS: 827

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS, NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥.	≥0
NO CEILING	17.4	20.4	21.0	21.2	21.4	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7
≥ 20000	19.0	22.4	23.0	23.3	23.6	23.6	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 18000	19.1	22.5	23.2	23.5	23.7	23.8	23.8	23.9	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0
≥ 16000	19.4	22.7	23.4	23.7	23.9	24.0	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
≥ 14000	19.9	23.4	24.1	24.4	24.7	24.7	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
≥ 12000	20.7	24.5	25.1	25.5	25.7	25.8	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 10000	21.5	25.4	26.1	26.5	26.7	26.8	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 9000	21.6	25.6	26.5	26.8	27.1	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
≥ 8000	22.5	26.9	27.6	28.1	28.3	28.4	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 7000	22.4	27.5	28.2	28.7	29.0	29.0	29.1	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 6000	23.2	28.0	28.9	29.3	29.6	29.7	29.8	29.9	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 5000	24.4	29.6	30.7	31.4	31.7	31.8	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 4500	26.2	32.1	33.1	33.9	34.3	34.5	34.6	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 4000	27.5	33.8	34.8	35.6	36.1	36.4	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 3500	29.0	36.0	37.2	38.4	39.1	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 3000	31.4	39.4	41.3	42.8	43.6	44.2	44.5	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 2500	36.2	46.7	48.9	50.9	52.4	53.4	53.8	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 2000	40.7	53.7	56.4	59.4	61.5	63.0	64.1	64.8	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2
≥ 1800	41.7	55.2	58.5	61.6	63.9	65.4	66.4	67.0	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4
≥ 1500	44.7	60.3	64.1	68.3	71.3	73.8	75.5	76.8	76.8	77.2	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1200	45.5	61.8	66.1	70.7	74.1	77.0	79.1	80.5	81.0	81.5	81.8	81.9	82.0	82.0	82.1	82.1
≥ 1000	46.0	62.9	67.4	72.0	76.4	79.4	82.0	83.8	84.8	85.1	85.7	85.9	86.0	86.1	86.2	86.2
≥ 900	46.2	63.4	68.2	73.3	77.4	80.7	83.2	85.0	85.8	86.4	87.2	87.4	87.6	87.7	87.7	87.8
≥ 800	46.4	63.8	68.8	74.2	78.5	82.1	84.5	87.0	88.1	89.0	89.7	89.9	90.2	90.2	90.3	90.4
≥ 700	46.4	63.9	69.1	74.7	79.3	83.0	86.1	88.5	89.6	90.7	91.5	91.8	92.1	92.1	92.2	92.3
≥ 600	46.4	64.0	69.3	74.9	79.6	83.7	87.0	89.8	90.8	92.0	93.1	93.8	94.0	94.0	94.1	94.2
≥ 500	46.4	64.0	69.4	75.1	79.8	84.2	87.7	90.4	91.8	93.1	94.4	94.7	95.3	95.3	95.7	95.8
≥ 400	46.5	64.1	69.5	75.3	80.2	84.8	88.7	91.4	93.2	94.4	95.9	96.3	97.0	97.3	97.5	97.6
≥ 300	46.5	64.1	69.5	75.4	80.2	85.0	89.0	92.0	93.7	95.1	96.6	97.1	97.9	98.2	98.5	98.6
≥ 200	46.5	64.2	69.6	75.5	80.3	85.1	89.2	92.2	93.9	95.4	97.0	97.7	98.5	98.9	99.5	99.7
≥ 100	46.5	64.2	69.6	75.5	80.3	85.1	89.2	92.2	93.9	95.4	97.0	97.7	98.5	98.9	99.5	99.7
≥ 0	46.5	64.2	69.6	75.5	80.3	85.1	89.2	92.2	93.9	95.4	97.0	97.7	98.5	98.9	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 4485

GLOBAL METEOROLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

FEB

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	¾	¾	≥5/16	¾	≥0	
NO CEILING	20.2	23.6	24.1	24.7	25.2	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1	26.1	26.1
≥ 20000	22.2	26.5	27.3	28.0	28.5	28.6	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.4	29.5	29.5	29.5
IV 18000	22.2	26.5	27.3	28.0	28.5	28.6	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.4	29.5	29.5	29.5
IV 16000	22.3	26.6	27.4	28.1	28.6	28.7	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.7	29.7	29.7
IV 14000	22.3	26.6	27.4	28.1	28.6	28.7	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.7	29.7	29.7
IV 12000	22.8	27.3	28.2	28.9	29.4	29.5	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.3	30.4	30.4	30.4
IV 10000	23.9	28.3	29.3	29.9	30.4	30.6	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.4	31.5	31.5	31.5
IV 9000	24.4	29.0	29.9	30.6	31.1	31.2	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.0	32.2	32.2	32.2
IV 8000	25.4	29.8	30.7	31.4	31.9	32.0	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.8	32.9	32.9	32.9
IV 7000	25.2	30.2	31.1	32.2	32.8	33.1	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.1	34.1	34.1
IV 6000	25.9	31.0	31.9	32.9	33.6	33.9	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.8	34.9	34.9	34.9
IV 5000	27.3	32.7	33.7	34.8	35.6	35.9	36.7	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.1	37.1	37.1
IV 4500	30.7	37.0	38.3	39.5	40.3	40.7	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.9	42.0	42.0	42.0
IV 4000	32.9	39.4	40.8	42.0	43.0	43.6	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.9	45.0	45.0	45.0
IV 3500	35.4	42.4	43.8	45.3	46.5	47.0	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.6	48.7	48.7	48.7
IV 3000	38.6	45.9	47.4	49.2	50.7	51.3	52.6	52.8	52.8	52.8	52.8	52.8	52.8	53.0	53.1	53.1	53.1
IV 2500	41.9	50.3	52.6	54.5	56.0	56.7	58.4	58.7	58.7	58.9	58.9	58.9	58.9	59.1	59.2	59.2	59.2
IV 2000	48.0	59.3	62.1	64.2	66.9	68.0	70.1	70.6	70.7	71.0	71.0	71.0	71.0	71.1	71.3	71.3	71.3
IV 1800	48.7	60.6	63.5	65.6	68.4	69.4	71.5	72.0	72.2	72.4	72.4	72.4	72.4	72.6	72.7	72.7	72.7
IV 1500	52.8	67.5	71.3	73.6	77.7	79.3	82.2	83.9	84.0	84.5	84.5	84.5	84.5	84.6	84.8	84.8	84.8
IV 1200	53.5	69.4	73.4	75.7	79.9	81.9	85.4	87.7	87.8	88.3	88.3	88.3	88.3	88.5	88.6	88.6	88.6
IV 1000	53.7	70.1	74.0	76.4	80.7	83.1	86.7	89.0	89.2	90.0	90.0	90.0	90.0	90.2	90.3	90.3	90.3
IV 900	53.7	70.2	74.1	76.5	80.8	83.2	87.0	89.5	89.9	91.1	91.1	91.1	91.1	91.2	91.3	91.3	91.3
IV 800	53.8	70.3	74.2	76.6	81.0	83.5	87.3	90.0	91.4	92.8	92.8	92.8	92.8	92.9	93.0	93.0	93.0
IV 700	53.8	70.7	74.8	77.3	82.2	84.6	88.8	91.3	92.4	93.6	93.6	93.6	93.6	93.7	93.8	93.8	93.8
IV 600	53.9	71.1	75.2	77.7	82.8	85.2	89.6	92.3	93.3	94.5	94.5	94.5	94.5	94.6	94.8	94.8	94.8
IV 500	53.9	71.7	75.7	78.3	83.6	86.2	90.6	93.4	94.6	95.8	96.1	96.1	96.1	96.2	96.3	96.3	96.3
IV 400	53.9	71.7	75.7	78.3	83.6	86.5	91.2	94.4	95.8	97.0	97.4	97.4	97.4	97.5	97.9	97.9	98.0
IV 300	53.9	71.7	75.7	78.3	83.6	86.5	91.2	94.8	96.5	97.6	98.3	98.3	98.3	98.7	98.8	98.8	99.0
IV 200	53.9	71.7	75.7	78.3	83.6	86.5	91.2	95.0	96.7	98.0	98.0	98.0	98.0	98.3	98.5	98.5	98.6
IV 100	53.9	71.7	75.7	78.3	83.6	86.5	91.2	95.0	96.7	98.3	99.3	99.3	99.3	99.7	99.9	99.9	100.0
IV 0	53.9	71.7	75.7	78.3	83.6	86.5	91.2	95.0	96.7	98.3	99.3	99.3	99.3	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY STATION NUMBER

73-81 YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0100-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥½	≥¼	≥0
NO CEILING	17.3	20.6	21.3	21.4	21.7	21.8	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
≥ 20000	19.6	23.9	24.7	24.8	25.2	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.7
IVN 18000	19.6	23.9	24.7	24.8	25.2	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.7
IVN 16000	19.9	24.3	25.1	25.2	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1	26.2
IVN 14000	19.9	24.3	25.1	25.2	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1	26.2
IVN 12000	20.1	24.4	25.2	25.3	25.7	25.8	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.2	26.2	26.4
IVN 10000	21.0	25.6	26.4	26.5	26.9	27.0	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.4	27.4	27.6
IVN 9000	21.0	25.6	26.4	26.5	26.9	27.0	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.4	27.4	27.6
IVN 8000	21.7	26.9	27.3	27.4	27.8	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.3	28.3	28.5
IVN 7000	22.2	27.0	27.8	28.3	29.0	29.3	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.7	29.7	29.9
IVN 6000	22.6	27.4	28.2	28.7	29.4	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.1	30.1	30.2
IVN 5000	22.7	27.4	28.2	28.7	29.4	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.1	30.1	30.2
IVN 4500	22.7	27.4	28.2	28.7	29.4	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.1	30.1	30.2
IVN 4000	26.9	34.0	35.0	35.6	36.2	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.4	37.4	37.5
IVN 3500	28.3	36.5	37.5	38.1	38.8	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.2	40.2	40.3
IVN 3000	31.0	39.6	40.9	41.7	42.8	43.8	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.6
IVN 2500	34.8	44.9	46.9	48.0	49.1	50.4	50.9	51.0	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.4
IVN 2000	36.9	48.2	50.3	52.0	53.1	54.6	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.8
IVN 1800	42.9	56.7	59.2	61.5	63.1	65.2	66.0	66.4	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.8
IVN 1500	44.5	58.8	61.3	63.6	65.2	67.3	68.2	68.6	68.8	68.8	68.8	68.8	68.8	68.9	68.9	69.0
IVN 1200	48.8	65.4	68.9	71.9	74.8	77.3	78.7	79.8	80.1	80.2	80.2	80.2	80.2	80.3	80.3	80.4
IVN 1000	49.6	67.9	71.1	74.9	78.0	81.4	83.7	85.0	85.3	85.4	85.4	85.4	85.4	85.6	85.6	85.7
IVN 900	49.7	68.0	71.8	75.3	79.0	82.9	85.8	87.1	87.5	87.9	88.1	88.1	88.1	88.2	88.2	88.3
IVN 800	49.7	68.0	71.8	75.3	79.0	82.9	85.8	87.1	87.5	87.9	88.1	88.1	88.1	88.2	88.2	88.3
IVN 700	49.7	68.0	71.8	75.3	79.0	82.9	85.8	87.1	87.5	87.9	88.1	88.1	88.1	88.2	88.2	88.3
IVN 600	49.9	69.3	73.6	76.9	80.7	85.2	89.4	91.6	92.3	92.8	92.9	92.9	92.9	93.0	93.0	93.2
IVN 500	49.9	69.3	73.6	76.9	80.7	85.2	89.4	91.6	92.3	92.8	92.9	92.9	92.9	93.0	93.0	93.2
IVN 400	49.9	69.3	73.6	76.9	80.7	85.2	89.4	91.6	92.3	92.8	92.9	92.9	92.9	93.0	93.0	93.2
IVN 300	49.9	69.7	73.9	77.4	81.5	86.2	91.5	94.4	95.4	96.2	97.1	97.4	97.5	97.6	97.8	97.9
IVN 200	49.9	69.8	74.0	77.7	81.8	86.6	92.0	95.0	96.1	97.0	97.9	98.2	98.3	98.4	98.7	98.8
IVN 100	49.9	69.8	74.0	77.7	81.8	86.6	92.0	95.0	96.1	97.1	98.0	98.3	98.4	98.7	98.8	98.9
IVN 0	49.9	69.8	74.0	77.7	81.8	86.6	92.0	95.0	96.1	97.1	98.0	98.3	98.4	98.7	98.8	98.9

TOTAL NUMBER OF OBSERVATIONS 262

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0000  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	14.7	17.5	17.8	18.5	18.6	19.0	19.4	19.4	19.4	19.6	19.6	19.6	19.6	19.6	19.6	19.6
≥ 20000	16.7	19.6	19.9	20.6	20.7	21.3	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8
IV 18000	16.8	19.7	20.1	20.7	20.9	21.4	21.8	21.8	21.8	21.9	21.9	21.9	21.9	21.9	21.9	21.9
IV 16000	16.9	19.8	20.2	20.9	21.0	21.5	21.9	21.9	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.2
IV 14000	17.5	20.3	20.9	21.5	21.7	22.3	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8	23.0
IV 12000	18.0	21.1	21.7	22.3	22.4	23.1	23.5	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.8
IV 10000	19.8	23.9	24.4	25.1	25.2	25.9	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.4	26.4	26.5
IV 9000	20.2	24.3	24.8	25.5	25.6	26.2	26.6	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.9
IV 8000	20.7	25.1	25.7	26.4	26.5	27.2	27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.8
IV 7000	21.1	25.5	26.1	26.9	27.2	27.8	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.5
IV 6000	21.8	26.2	27.0	28.0	28.2	28.9	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.5
IV 5000	23.5	28.5	29.3	30.3	30.7	31.5	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.4
IV 4500	25.1	30.6	31.5	32.8	33.2	34.0	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	35.0
IV 4000	26.4	32.7	33.6	35.0	35.6	36.6	37.4	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.7
IV 3500	28.2	35.8	37.3	39.0	40.0	41.2	42.0	42.0	42.0	42.1	42.3	42.3	42.3	42.3	42.3	42.4
IV 3000	31.5	40.2	42.1	44.0	45.3	47.0	48.2	48.4	48.4	48.7	48.8	48.8	48.8	48.8	48.8	49.0
IV 2500	34.0	44.9	46.9	49.2	50.9	52.8	54.1	54.3	54.3	54.6	54.7	54.7	54.7	54.7	54.7	54.9
IV 2000	37.5	50.3	53.4	56.2	58.9	61.2	63.5	64.2	64.3	64.7	64.8	64.8	64.8	64.8	64.8	65.0
IV 1800	38.5	51.8	54.7	57.5	60.4	62.7	65.4	66.1	66.3	66.7	66.8	66.8	66.8	66.8	66.8	66.9
IV 1500	42.8	58.5	62.1	65.6	69.2	72.4	75.5	76.8	76.9	77.3	77.7	77.7	77.7	77.7	77.7	77.8
IV 1200	43.2	60.9	64.8	68.8	72.7	77.0	80.4	82.2	82.4	82.9	83.5	83.5	83.5	83.5	83.5	83.6
IV 1000	43.8	62.3	66.7	71.0	75.6	80.2	83.9	86.5	87.0	87.7	88.2	88.2	88.3	88.3	88.3	88.5
IV 900	44.0	62.6	67.1	71.4	76.1	80.7	84.4	87.0	87.7	88.3	88.8	88.8	89.0	89.0	89.0	89.1
IV 800	44.1	63.0	67.5	72.0	77.0	81.8	85.8	88.2	89.2	89.9	90.4	90.6	90.7	90.7	90.7	90.8
IV 700	44.1	63.1	67.7	72.4	77.6	82.3	86.2	89.0	90.0	90.7	91.2	91.3	91.6	91.6	91.6	91.7
IV 600	44.1	63.4	68.1	73.0	78.2	83.2	87.4	90.3	91.5	92.3	92.9	93.0	93.4	93.4	93.4	93.6
IV 500	44.1	63.5	68.2	73.2	78.6	83.7	87.9	91.2	92.8	93.7	94.6	94.8	95.1	95.1	95.1	95.3
IV 400	44.1	63.5	68.2	73.2	78.6	83.7	87.9	91.2	92.8	93.7	94.6	94.8	95.1	95.1	95.1	95.3
IV 300	44.1	63.6	68.4	73.4	79.0	84.3	89.1	93.0	95.0	96.2	97.4	97.6	98.2	98.3	98.4	98.6
IV 200	44.1	63.6	68.4	73.4	79.0	84.3	89.1	93.0	95.0	96.2	97.4	97.6	98.2	98.3	98.4	98.6
IV 100	44.1	63.6	68.4	73.4	79.0	84.3	89.1	93.0	95.0	96.2	97.4	97.6	98.2	98.3	98.4	98.6
IV 0	44.1	63.6	68.4	73.4	79.0	84.3	89.1	93.0	95.0	96.2	97.4	97.6	98.2	98.3	98.4	98.6

TOTAL NUMBER OF OBSERVATIONS 762

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

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 STATION NIAGARA FALLS, NY

73-81 YEARS

FEF MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥.	≥0
NO CEILING	13.8	18.4	19.9	21.1	21.7	22.2	22.3	22.3	22.4	22.8	23.0	23.0	23.0	23.0	23.2	23.2
IV 20000	15.4	20.2	21.8	23.0	23.5	24.8	24.5	24.5	24.7	25.1	25.3	25.3	25.3	25.3	25.6	25.6
IV 18000	15.5	20.3	21.9	23.1	23.8	24.8	24.9	24.9	25.1	25.5	25.7	25.7	25.7	25.7	26.0	26.0
IV 16000	15.7	20.6	22.2	23.5	24.1	25.2	25.3	25.3	25.5	25.9	26.1	26.1	26.1	26.1	26.4	26.4
IV 14000	16.0	21.1	22.8	24.1	24.8	26.0	26.1	26.1	26.2	26.6	26.9	26.9	26.9	26.9	27.2	27.2
IV 12000	16.8	22.6	24.4	25.7	26.5	27.7	27.8	27.8	28.0	28.3	28.6	28.6	28.6	28.6	28.9	28.9
IV 10000	18.6	24.8	26.6	28.0	28.7	29.9	30.2	30.2	30.3	30.7	31.0	31.0	31.0	31.0	31.2	31.2
IV 9000	19.0	25.6	27.6	28.9	29.8	31.0	31.2	31.2	31.4	31.8	32.0	32.0	32.0	32.0	32.3	32.3
IV 8000	21.1	28.2	30.2	31.8	32.8	34.0	34.3	34.3	34.4	34.8	35.0	35.0	35.0	35.0	35.3	35.3
IV 7000	21.9	29.5	31.6	33.6	34.6	35.8	36.2	36.2	36.4	36.7	37.0	37.0	37.0	37.0	37.3	37.3
IV 6000	22.3	30.1	32.3	34.3	35.3	36.5	37.0	37.0	37.1	37.5	37.8	37.8	37.8	37.8	38.1	38.1
IV 5000	23.8	31.9	34.6	36.6	37.8	39.1	39.8	40.0	40.2	40.6	40.8	40.8	40.8	40.8	41.1	41.1
IV 4500	25.1	34.8	37.5	39.6	40.8	42.1	42.8	43.0	43.2	43.6	43.8	43.8	43.8	43.8	44.1	44.1
IV 4000	26.0	36.1	39.0	41.1	42.4	43.7	44.4	44.6	44.8	45.1	45.4	45.4	45.4	45.4	45.7	45.7
IV 3500	26.5	37.4	40.7	42.8	44.2	45.8	46.7	47.4	47.8	48.3	48.6	48.6	48.6	48.6	48.8	48.8
IV 3000	27.6	40.8	44.4	46.9	49.0	50.8	51.8	52.6	53.0	53.5	53.8	53.8	53.8	53.8	54.1	54.1
IV 2500	29.4	44.5	48.8	51.6	53.7	55.9	57.2	58.3	58.7	59.4	60.0	60.1	60.1	60.1	60.4	60.4
IV 2000	32.4	49.2	54.3	58.1	61.2	64.2	65.9	67.3	67.8	68.8	69.6	69.7	69.7	69.7	69.9	69.9
IV 1800	32.7	50.0	55.2	59.4	62.6	65.9	67.8	69.4	69.9	70.9	71.7	71.8	71.8	71.8	72.0	72.0
IV 1500	34.9	54.1	60.0	64.8	69.0	72.6	74.8	76.9	77.6	78.6	79.8	79.9	79.9	79.9	80.2	80.2
IV 1200	35.0	54.5	60.8	66.3	70.6	74.9	77.2	79.5	80.2	81.4	82.8	83.1	83.1	83.1	83.3	83.3
IV 1000	35.0	55.1	61.8	67.6	72.6	77.2	79.5	81.9	83.3	85.2	87.1	87.4	87.7	87.7	87.9	87.9
IV 900	35.0	55.1	61.4	67.6	72.7	77.4	80.1	82.5	84.1	86.0	87.9	88.2	88.5	88.5	88.7	88.7
IV 800	35.0	55.2	61.8	68.1	73.8	78.7	81.8	84.1	85.8	88.1	90.8	91.1	91.3	91.3	91.6	91.6
IV 700	35.0	55.4	62.1	68.5	74.7	79.7	82.4	85.3	87.1	89.4	92.3	92.5	92.8	92.8	93.0	93.0
IV 600	35.0	55.4	62.1	68.5	75.1	80.2	83.1	86.0	87.8	90.2	93.3	93.6	94.0	94.1	94.4	94.4
IV 500	35.0	55.4	62.1	68.6	75.3	80.4	83.3	86.2	88.3	90.8	95.0	95.4	95.8	95.9	96.2	96.2
IV 400	35.0	55.4	62.1	68.6	75.5	80.7	83.9	86.9	89.2	92.0	96.5	96.9	97.6	97.8	98.0	98.0
IV 300	35.0	55.4	62.1	68.6	75.7	81.1	84.4	87.7	90.2	92.9	97.5	97.9	98.8	99.1	99.3	99.3
IV 200	35.0	55.4	62.1	68.6	75.7	81.1	84.4	87.7	90.2	93.0	97.8	98.2	99.1	99.5	99.9	99.9
IV 100	35.0	55.4	62.1	68.6	75.7	81.1	84.4	87.7	90.2	93.0	97.8	98.2	99.1	99.5	100.0	100.0
IV 0	35.0	55.4	62.1	68.6	75.7	81.1	84.4	87.7	90.2	93.0	97.8	98.2	99.1	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 742

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1800  
HOURS - 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	16.4	20.5	21.1	21.5	21.8	21.8	21.8	22.0	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
IV 20000	18.1	22.8	23.6	24.4	24.7	24.7	24.7	24.9	25.2	25.2	25.5	25.5	25.5	25.5	25.5	25.5
IV 18000	18.4	23.5	24.4	25.2	25.5	25.5	25.5	25.7	26.0	26.0	26.2	26.2	26.2	26.2	26.2	26.2
IV 16000	19.0	24.1	25.1	25.9	26.1	26.1	26.1	26.4	26.6	26.6	26.9	26.9	26.9	26.9	26.9	26.9
IV 14000	19.3	24.7	25.6	26.4	26.6	26.6	26.6	26.9	27.2	27.2	27.4	27.4	27.4	27.4	27.4	27.4
IV 12000	19.9	26.2	27.2	28.0	28.2	28.2	28.2	28.5	28.7	28.7	29.0	29.0	29.0	29.0	29.0	29.0
IV 10000	22.4	29.0	29.9	30.7	31.0	31.0	31.0	31.2	31.5	31.5	31.8	31.8	31.8	31.8	31.8	31.8
IV 9000	23.5	30.4	31.4	32.2	32.5	32.5	32.5	32.8	33.1	33.1	33.3	33.3	33.3	33.3	33.3	33.3
IV 8000	24.8	32.3	33.5	34.4	35.0	35.0	35.0	35.3	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8
IV 7000	25.1	32.7	33.9	34.8	35.4	35.4	35.4	35.7	36.0	36.0	36.2	36.2	36.2	36.2	36.2	36.2
IV 6000	25.7	33.3	34.6	35.6	36.2	36.2	36.4	36.6	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.1
IV 5000	27.3	35.3	36.6	37.7	38.7	38.8	39.4	39.6	39.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2
IV 4500	29.9	38.8	40.4	41.6	42.7	42.8	43.4	43.7	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2
IV 4000	31.0	40.7	42.5	43.7	44.9	45.1	46.1	46.3	46.6	46.6	46.9	46.9	46.9	46.9	46.9	46.9
IV 3500	32.0	42.5	44.4	45.5	47.1	47.5	48.7	49.1	49.3	49.3	49.6	49.6	49.6	49.7	49.7	49.7
IV 3000	32.9	44.9	46.9	48.2	50.5	51.0	52.4	53.1	53.4	53.5	53.8	53.9	54.1	54.2	54.2	54.2
IV 2500	37.0	50.1	52.8	55.0	57.6	58.5	60.1	60.8	61.0	61.2	61.4	61.5	61.7	61.8	61.8	61.8
IV 2000	40.0	55.4	58.4	61.8	65.7	67.2	69.6	70.3	70.7	71.1	71.5	71.7	71.8	71.9	71.9	71.9
IV 1800	40.2	56.2	59.6	63.4	67.7	69.3	72.0	72.8	73.2	73.6	74.1	74.3	74.4	74.5	74.5	74.5
IV 1500	40.9	59.8	64.3	68.5	73.9	76.9	80.8	82.2	82.9	83.5	84.3	84.4	84.5	84.6	84.6	84.6
IV 1200	41.5	61.5	66.1	70.6	76.4	79.8	84.3	85.7	86.7	87.3	88.1	88.2	88.3	88.5	88.5	88.5
IV 1000	41.5	61.5	66.5	71.9	78.2	81.8	86.6	88.1	89.2	90.2	91.1	91.5	91.6	91.7	91.7	91.7
IV 900	41.6	61.7	66.9	72.3	78.6	82.3	87.4	88.8	90.3	91.2	92.4	92.9	93.0	93.2	93.3	93.3
IV 800	41.6	61.7	67.2	72.8	79.3	83.2	88.5	90.3	92.1	93.2	94.6	95.1	95.3	95.4	95.5	95.5
IV 700	41.6	61.7	67.2	72.8	79.4	83.5	88.7	90.6	92.4	93.4	95.1	95.7	95.8	95.9	96.1	96.1
IV 600	41.6	61.7	67.2	72.8	79.5	83.7	89.2	91.2	93.0	94.1	95.8	96.3	96.5	96.7	96.9	96.9
IV 500	41.7	61.8	67.3	73.0	79.9	84.1	89.6	91.9	94.0	95.1	97.0	97.5	97.6	98.0	98.2	98.2
IV 400	41.7	61.8	67.3	73.0	79.9	84.3	89.8	92.0	94.1	95.3	97.1	97.6	97.8	98.3	98.4	98.4
IV 300	41.7	61.8	67.3	73.0	79.9	84.5	90.0	92.5	94.6	95.9	97.8	98.3	98.4	99.0	99.1	99.1
IV 200	41.7	61.8	67.3	73.0	79.9	84.5	90.0	92.5	94.8	96.1	98.0	98.6	98.8	99.5	99.7	99.7
IV 100	41.7	61.8	67.3	73.0	79.9	84.5	90.0	92.5	94.8	96.1	98.2	98.8	99.1	99.7	100.0	100.0
IV 0	41.7	61.8	67.3	73.0	79.9	84.5	90.0	92.5	94.8	96.1	98.2	98.8	99.1	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 STATION NIAGARA FALLS, NY

73-81 YEAR

558

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1600-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥¼	≥0	≥0
NO CEILING ≥ 20000	18.0	22.3	22.7	23.1	23.2	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
IVM 18000	21.1	26.1	26.6	27.2	27.4	27.7	27.7	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IVM 16000	21.5	26.5	27.0	27.6	27.8	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
IVM 14000	22.2	27.4	28.0	28.5	28.7	29.0	29.1	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
IVM 12000	22.8	28.6	29.1	29.8	30.1	30.3	30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
IVM 10000	24.4	30.8	31.5	32.3	32.5	32.8	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
IVM 9000	25.2	31.8	32.8	33.2	33.5	33.7	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
IVM 8000	27.0	34.4	35.0	36.0	36.2	36.5	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IVM 7000	27.3	34.8	35.6	36.6	36.8	37.1	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVM 6000	28.3	36.1	37.0	38.1	38.3	38.6	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
IVM 5000	29.1	37.5	38.4	40.0	40.4	40.8	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IVM 4500	31.0	40.0	41.5	42.9	43.7	44.6	44.9	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IVM 4000	32.7	42.4	44.0	46.3	47.5	48.4	49.0	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IVM 3500	33.9	43.7	45.8	48.4	49.6	50.9	51.3	51.7	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1
IVM 3000	36.6	46.9	49.2	51.8	53.3	54.7	55.2	55.6	55.9	56.0	56.0	56.2	56.2	56.2	56.2	56.2
IVM 2500	38.8	51.4	54.2	57.2	58.8	60.9	61.7	62.1	62.5	62.6	62.7	62.9	63.0	63.1	63.1	63.1
IVM 2000	42.0	58.0	61.9	66.7	68.8	70.7	71.7	72.2	72.7	73.0	73.1	73.4	73.5	73.6	73.6	73.6
IVM 1800	42.9	59.7	63.6	68.5	70.2	72.6	73.5	74.1	74.7	74.9	75.2	75.5	75.6	75.7	75.7	75.7
IVM 1500	43.8	61.5	65.4	70.3	72.0	74.4	75.3	75.9	76.5	76.7	77.0	77.3	77.4	77.5	77.5	77.5
IVM 1200	44.0	64.4	69.3	75.9	79.8	82.9	84.5	85.6	86.4	86.7	87.1	87.4	87.7	87.8	87.8	87.8
IVM 1000	44.0	65.0	70.6	77.0	81.9	84.8	86.5	87.8	88.6	89.1	89.8	90.0	90.3	90.4	90.4	90.4
IVM 900	44.1	65.1	70.7	77.3	82.4	86.0	87.8	89.1	90.3	91.1	92.0	92.3	92.7	92.8	92.8	92.8
IVM 800	44.1	65.1	70.7	78.0	83.8	87.0	89.1	90.8	92.3	93.2	94.5	95.3	95.7	95.8	95.8	95.8
IVM 700	44.1	65.1	70.7	78.0	83.8	87.0	89.1	90.8	92.3	93.2	94.5	95.3	95.7	95.8	95.8	95.8
IVM 600	44.1	65.1	70.7	78.0	83.8	87.0	89.1	90.8	92.3	93.2	94.5	95.3	95.7	95.8	95.8	95.8
IVM 500	44.1	65.1	70.7	78.0	83.8	87.0	89.1	90.8	92.3	93.2	94.5	95.3	95.7	95.8	95.8	95.8
IVM 400	44.1	65.1	70.7	78.0	83.8	87.0	89.1	90.8	92.3	93.2	94.5	95.3	95.7	95.8	95.8	95.8
IVM 300	44.1	65.1	70.7	78.0	83.8	87.0	89.1	90.8	92.3	93.2	94.5	95.3	95.7	95.8	95.8	95.8
IVM 200	44.1	65.1	70.7	78.0	83.8	87.0	89.1	90.8	92.3	93.2	94.5	95.3	95.7	95.8	95.8	95.8
IVM 100	44.1	65.1	70.7	78.0	83.8	87.0	89.1	90.8	92.3	93.2	94.5	95.3	95.7	95.8	95.8	95.8
IVM 0	44.1	65.1	70.7	78.0	83.8	87.0	89.1	90.8	92.3	93.2	94.5	95.3	95.7	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS 742

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIARARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1989-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	26	25	24	23	22½	22	21½	21¼	21	20½	20	20	20	20	20
NO CEILING	22.6	26.4	27.0	27.3	27.4	27.7	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IV 20000	26.0	31.1	31.8	32.2	32.4	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 18000	26.4	31.8	32.2	32.6	32.8	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 16000	26.8	32.0	32.7	33.1	33.2	33.4	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
IV 14000	27.0	32.3	32.9	33.3	33.6	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
IV 12000	27.7	33.1	33.5	33.8	34.0	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 10000	28.6	34.0	35.4	35.8	36.1	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 9000	29.1	35.3	36.0	36.4	36.8	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 8000	29.8	36.7	37.4	37.8	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
IV 7000	30.4	37.8	38.5	38.9	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 6000	30.4	37.8	38.6	39.4	39.6	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 5000	33.1	41.2	42.0	42.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 4500	36.2	45.0	45.9	46.9	47.4	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 4000	37.4	47.2	48.2	49.2	50.1	50.2	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 3500	39.6	50.8	51.0	52.2	53.0	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 3000	41.2	52.9	53.1	55.9	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 2500	45.4	59.4	61.2	63.1	64.7	65.6	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 2000	49.5	68.8	67.1	69.8	71.9	73.1	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1800	50.8	66.1	68.8	71.4	73.8	74.8	75.8	75.8	75.7	75.7	75.9	75.9	76.0	76.0	76.0	76.0
IV 1500	52.0	70.1	73.2	74.8	79.9	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1200	52.4	71.3	74.7	78.4	81.3	83.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1000	52.8	71.8	75.8	79.8	82.8	85.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 900	52.8	72.4	76.1	80.2	83.8	86.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 800	53.0	73.0	77.0	81.0	85.0	88.1	90.0	91.2	91.9	92.1	92.4	92.7	92.9	92.9	92.9	92.9
IV 700	53.1	73.4	77.4	82.3	86.8	89.1	91.3	92.7	93.3	94.1	94.4	94.7	94.9	94.9	94.9	94.9
IV 600	53.1	73.8	77.8	82.7	86.1	89.8	91.6	92.9	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 500	53.3	73.8	77.6	82.6	86.4	89.6	92.8	92.3	94.2	95.1	95.6	96.0	97.4	97.3	97.5	97.5
IV 400	53.3	73.8	77.6	82.6	86.4	89.6	92.7	92.0	95.1	96.1	97.3	97.9	98.3	98.6	98.6	98.6
IV 300	53.3	73.6	77.7	82.8	86.7	90.8	92.9	94.0	95.5	96.5	97.9	98.3	98.8	99.0	99.0	99.0
IV 200	53.3	73.6	77.7	82.8	86.7	90.8	92.9	94.0	95.5	96.5	97.9	98.3	98.8	99.0	99.0	99.0
IV 100	53.3	73.6	77.7	82.8	86.7	90.8	92.9	94.0	95.5	96.5	97.9	98.3	98.8	99.0	99.0	99.0
IV 0	53.3	73.6	77.7	82.8	86.7	90.8	92.9	94.0	95.5	96.5	97.9	98.3	98.8	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 362

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725207 NIAGARA FALLS, NY

73-A1

558

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	26	25	24	23	22½	22	21½	21¼	21	2¾	2¾	2¾	25/16	2¼	20
NO CEILING ≥ 20000	21.3	25.3	26.0	26.8	27.7	27.7	28.1	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2
IV 18000 16000	23.9	28.3	29.0	29.9	30.8	30.8	31.4	31.4	31.4	31.5	31.5	31.5	31.6	31.6	31.6	31.6
IV 14000 12000	24.5	29.4	30.1	31.0	31.9	31.9	32.4	32.4	32.4	32.5	32.5	32.5	32.7	32.7	32.7	32.7
IV 10000 9000	25.1	30.3	31.0	31.9	32.8	32.8	33.3	33.3	33.3	33.5	33.5	33.5	33.6	33.6	33.6	33.6
IV 8000 7000	26.0	31.0	31.6	32.5	33.5	33.5	34.0	34.0	34.0	34.1	34.1	34.1	34.3	34.3	34.3	34.3
IV 6000 5000	27.3	32.4	33.1	34.0	34.9	34.9	35.4	35.4	35.4	35.6	35.6	35.6	35.7	35.7	35.7	35.7
IV 4500 4000	27.6	32.9	33.6	34.5	35.5	35.5	36.0	36.0	36.0	36.2	36.2	36.2	36.4	36.4	36.4	36.4
IV 3500 3000	29.1	34.9	35.7	37.8	38.8	38.8	39.3	39.3	39.3	39.5	39.5	39.5	39.8	39.8	39.8	39.8
IV 2500 2000	32.7	39.2	40.4	42.8	43.8	43.8	44.1	44.6	44.6	44.6	44.8	44.8	44.8	44.9	44.9	44.9
IV 1800 1500	35.0	41.9	43.3	45.7	46.9	46.9	47.1	47.4	47.4	47.4	47.6	47.6	47.6	47.8	47.8	47.8
IV 1200 1000	36.9	44.9	46.3	48.7	49.9	49.9	50.1	50.8	50.8	50.8	50.9	50.9	50.9	51.0	51.0	51.0
IV 900 800	40.0	49.9	51.0	53.8	55.2	55.2	55.4	56.3	56.3	56.3	56.4	56.4	56.4	56.6	56.6	56.6
IV 700 600	43.6	56.0	57.7	61.0	62.9	62.9	63.4	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4
IV 500 400	47.9	62.9	64.8	68.1	70.7	70.7	71.3	72.7	72.7	72.7	72.8	73.0	73.0	73.1	73.1	73.1
IV 300 200	49.0	64.4	66.9	70.2	72.8	72.8	73.8	74.9	74.9	74.9	75.1	75.2	75.2	75.3	75.3	75.3
IV 100 0	51.8	69.4	71.9	76.5	79.8	79.8	81.2	83.7	83.7	83.7	84.5	84.5	84.5	85.0	85.0	85.0
	52.1	70.6	73.4	78.2	81.6	81.6	83.2	85.7	85.7	85.7	86.1	86.1	86.1	86.2	86.2	86.2
	52.9	72.0	75.1	80.2	83.4	83.4	85.0	87.0	87.0	87.0	87.3	87.3	87.3	87.4	87.4	87.4
	52.8	72.6	75.6	80.7	84.1	84.1	85.8	87.6	87.6	87.6	87.9	87.9	87.9	88.0	88.0	88.0
	53.1	73.1	76.2	81.4	85.3	85.3	87.1	89.0	89.0	89.0	89.3	89.3	89.3	89.4	89.4	89.4
	53.3	73.4	76.9	82.4	86.2	86.2	88.2	91.0	91.0	91.0	91.3	91.3	91.3	91.4	91.4	91.4
	53.4	73.9	77.2	82.8	86.7	86.7	88.7	92.0	92.0	92.0	92.3	92.3	92.3	92.4	92.4	92.4
	53.4	73.9	77.2	82.8	86.9	86.9	89.2	93.4	93.4	93.4	93.7	93.7	93.7	93.8	93.8	93.8
	53.4	73.9	77.2	82.8	86.9	86.9	89.2	93.4	93.4	93.4	93.7	93.7	93.7	93.8	93.8	93.8
	53.4	73.9	77.2	82.8	86.9	86.9	89.2	93.4	93.4	93.4	93.7	93.7	93.7	93.8	93.8	93.8
	53.4	73.9	77.2	82.8	86.9	86.9	89.2	93.4	93.4	93.4	93.7	93.7	93.7	93.8	93.8	93.8

TOTAL NUMBER OF OBSERVATIONS 242

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	18.0	21.8	22.5	23.0	23.4	23.6	23.9	23.9	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1
IV 20000	20.3	24.8	25.6	26.2	26.6	26.9	27.2	27.2	27.3	27.3	27.4	27.4	27.4	27.5	27.5	27.5
IV 18000	20.5	25.0	25.8	26.4	26.9	27.1	27.4	27.5	27.5	27.6	27.7	27.7	27.7	27.7	27.8	27.8
IV 16000	20.8	25.4	26.2	26.9	27.3	27.6	27.8	27.9	27.9	28.0	28.1	28.1	28.1	28.1	28.2	28.2
IV 14000	21.1	25.8	26.6	27.3	27.7	28.0	28.3	28.3	28.4	28.5	28.5	28.5	28.6	28.6	28.6	28.7
IV 12000	21.7	26.6	27.6	28.3	28.8	29.1	29.4	29.4	29.5	29.5	29.6	29.6	29.6	29.7	29.7	29.7
IV 10000	23.1	28.5	29.4	30.1	30.8	30.9	31.2	31.2	31.3	31.3	31.4	31.4	31.4	31.5	31.5	31.5
IV 9000	23.7	29.2	30.1	30.8	31.3	31.6	31.9	32.0	32.0	32.1	32.2	32.2	32.2	32.2	32.3	32.3
IV 8000	24.7	30.7	31.6	32.4	32.9	33.2	33.5	33.6	33.6	33.7	33.8	33.8	33.8	33.9	33.9	33.9
IV 7000	25.1	31.3	32.3	33.1	33.8	34.3	34.6	34.7	34.7	34.8	34.9	34.9	34.9	34.9	35.0	35.0
IV 6000	25.6	31.9	32.9	34.0	34.6	34.9	35.3	35.4	35.4	35.5	35.6	35.6	35.6	35.6	35.7	35.7
IV 5000	27.2	34.0	35.2	36.5	37.2	37.7	38.2	38.3	38.4	38.4	38.5	38.5	38.5	38.6	38.6	38.6
IV 4500	29.7	37.4	38.8	40.2	41.0	41.6	42.2	42.3	42.3	42.4	42.5	42.5	42.5	42.5	42.6	42.6
IV 4000	31.3	39.6	41.2	42.7	43.7	44.3	45.0	45.1	45.2	45.2	45.3	45.3	45.3	45.3	45.4	45.4
IV 3500	33.0	42.0	43.8	45.5	46.6	47.5	48.2	48.4	48.5	48.6	48.7	48.7	48.8	48.8	48.8	48.9
IV 3000	35.4	45.7	47.8	49.7	51.3	52.3	53.2	53.3	53.6	53.6	53.9	53.9	54.0	54.0	54.0	54.1
IV 2500	38.4	50.6	53.1	55.4	57.2	58.5	59.6	59.9	60.1	60.3	60.4	60.5	60.6	60.6	60.7	60.7
IV 2000	42.5	57.0	60.1	63.3	65.9	67.7	69.1	69.7	70.0	70.3	70.5	70.5	70.6	70.7	70.7	70.7
IV 1800	43.3	58.8	61.6	65.0	67.6	69.5	71.1	71.7	72.0	72.3	72.5	72.6	72.7	72.7	72.8	72.8
IV 1500	45.9	63.5	67.6	71.6	75.2	77.7	80.0	81.3	81.6	82.1	82.3	82.5	82.6	82.6	82.7	82.7
IV 1200	46.4	65.0	69.3	73.6	77.6	80.6	83.3	84.8	85.3	85.8	86.3	86.4	86.5	86.5	86.6	86.6
IV 1000	46.6	65.7	70.2	74.8	79.2	82.5	85.9	87.1	87.7	88.3	89.1	89.2	89.3	89.3	89.5	89.5
IV 900	46.7	65.9	70.8	75.1	79.5	83.8	86.1	87.9	88.6	89.4	90.1	90.3	90.4	90.5	90.5	90.6
IV 800	46.8	66.2	70.9	75.7	80.3	84.1	87.3	89.3	90.3	91.3	92.2	92.4	92.5	92.6	92.7	92.7
IV 700	46.9	66.5	71.2	76.2	81.1	84.8	88.3	90.3	91.4	92.5	93.5	93.7	93.9	94.0	94.0	94.1
IV 600	46.9	66.6	71.3	76.5	81.5	85.5	89.0	91.2	92.4	93.9	94.5	94.8	95.0	95.1	95.2	95.3
IV 500	46.9	66.8	71.5	76.7	81.9	85.7	89.5	91.9	93.2	94.4	95.8	96.1	96.4	96.5	96.6	96.6
IV 400	46.9	66.8	71.6	76.7	82.0	85.9	89.9	92.3	94.0	95.3	96.8	97.1	97.5	97.7	97.8	97.8
IV 300	46.9	66.8	71.6	76.8	82.1	86.1	90.2	93.0	94.6	95.9	97.8	97.9	98.3	98.6	98.8	98.8
IV 200	46.9	66.9	71.6	76.9	82.1	86.2	90.3	93.3	94.9	96.4	98.3	98.7	99.2	99.6	99.8	99.9
IV 100	46.9	66.9	71.6	76.9	82.1	86.2	90.3	93.3	94.9	96.4	98.3	98.7	99.2	99.6	99.8	99.9
IV 0	46.9	66.9	71.6	76.9	82.1	86.2	90.3	93.3	94.9	96.4	98.3	98.7	99.2	99.6	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 6034

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

MAP

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	≥3/16	≥¼	≥0
NO CEILING	33.0	36.3	36.7	36.9	37.2	37.3	37.5	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2
W 20000	34.4	38.4	38.7	39.1	39.3	39.4	39.7	40.3	40.3	40.4	40.4	40.5	40.5	40.5	40.5	40.5
W 18000	34.8	38.5	38.8	39.2	39.4	39.5	39.8	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5
W 16000	35.4	39.2	39.5	39.9	40.1	40.3	40.5	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
W 14000	36.0	40.1	40.5	40.9	41.3	41.5	41.7	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4
W 12000	37.2	41.5	41.8	42.2	42.7	42.8	43.0	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7
W 10000	37.2	41.5	41.8	42.2	42.7	42.8	43.0	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7
W 9000	37.2	41.5	41.8	42.2	42.7	42.8	43.0	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7
W 8000	39.1	43.4	44.0	44.3	44.8	44.8	45.2	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9
W 7000	39.7	43.2	43.7	44.0	44.5	44.5	45.0	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7
W 6000	40.5	45.0	45.5	45.9	46.5	46.5	47.0	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
W 5000	43.5	49.3	49.8	50.2	51.0	51.1	51.8	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2
W 4500	45.1	52.8	53.3	54.1	54.8	55.1	55.4	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2
W 4000	48.5	56.8	57.2	58.1	58.8	59.0	59.8	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
W 3500	50.1	59.1	59.4	60.7	61.4	61.9	62.2	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
W 3000	52.3	63.2	63.8	64.9	65.8	66.1	66.8	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
W 2500	58.1	70.1	71.0	72.2	73.2	73.5	74.0	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
W 2000	60.7	74.3	75.1	76.9	78.1	78.5	79.1	79.8	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2
W 1800	60.9	74.9	75.9	77.9	79.1	79.6	80.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
W 1500	63.0	78.4	79.5	82.0	83.4	84.0	84.8	85.9	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
W 1200	63.4	79.8	81.0	83.4	85.2	86.0	86.6	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
W 1000	63.9	80.0	81.5	84.5	86.5	87.5	88.1	89.6	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1
W 900	64.0	80.2	82.0	84.7	86.7	87.7	88.3	89.8	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
W 800	64.7	80.6	82.6	85.9	88.1	89.2	89.8	91.4	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2
W 700	64.4	81.2	83.2	86.6	89.1	90.1	90.8	92.4	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2
W 600	64.4	81.7	83.7	87.1	89.7	90.7	91.4	93.1	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
W 500	64.4	81.4	83.4	87.5	90.1	91.2	91.9	93.9	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
W 400	64.5	81.5	83.5	87.7	90.3	91.4	92.1	94.1	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
W 300	64.5	81.6	84.0	87.9	90.6	91.9	93.0	95.1	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
W 200	64.5	81.6	84.0	88.1	90.7	92.0	93.1	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
W 100	64.5	81.6	84.0	88.1	90.7	92.0	93.1	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
W 0	64.5	81.6	84.0	88.1	90.7	92.0	93.1	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING OR 20000	29.4	32.6	32.7	33.0	33.1	33.3	33.6	33.8	33.8	33.8	33.8	33.9	33.9	33.9	33.9	33.9
IV 18000 16000	32.4	35.7	36.0	36.2	36.3	36.6	36.8	37.0	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2
IV 14000 12000	32.5	36.0	36.2	36.4	36.6	36.8	37.0	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4
IV 10000 9000	34.5	38.5	38.7	39.1	39.8	39.9	40.1	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5
IV 8000 7000	36.4	40.5	40.7	41.1	41.6	41.9	42.2	42.4	42.4	42.4	42.4	42.5	42.5	42.5	42.5	42.5
IV 6000 5000	38.7	42.9	43.4	43.8	44.6	44.8	45.2	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5
IV 4500 4000	44.3	51.7	52.7	53.2	54.2	54.6	54.8	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2
IV 3500 3000	46.6	54.2	55.3	55.8	56.9	57.3	57.4	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9
IV 2500 2000	49.7	58.8	60.0	60.5	61.6	62.2	62.3	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8
IV 1800 1500	55.8	67.6	69.5	70.7	72.4	73.1	73.4	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
IV 1200 1000	59.1	73.1	75.9	77.3	79.1	80.8	80.9	81.1	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4
IV 900 800	61.6	76.3	79.9	81.6	83.8	85.6	85.1	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
IV 700 600	62.5	79.0	83.2	85.2	87.7	89.0	89.8	90.7	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
IV 500 400	63.2	79.8	84.0	86.1	88.6	90.2	91.2	92.4	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7
IV 300 200	63.4	80.2	84.7	87.1	89.8	91.6	92.8	94.1	94.3	94.3	94.6	94.6	94.7	94.7	94.7	94.7
IV 100 0	63.9	81.0	85.5	88.1	90.8	92.7	94.1	95.7	96.1	96.2	97.0	97.0	97.1	97.3	97.4	97.4
	63.9	81.0	85.5	88.1	90.8	92.8	94.4	96.1	96.5	96.9	98.0	98.1	98.2	98.4	98.7	98.9
	63.9	81.0	85.5	88.1	90.8	92.8	94.4	96.1	96.5	96.9	98.1	98.2	98.4	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0600

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	21.3	25.2	26.0	27.2	28.6	28.9	29.4	29.6	29.6	29.7	29.7	29.7	30.0	30.0	30.0	30.1
IV 20000	28.3	28.8	29.7	30.9	32.8	32.7	33.2	33.6	33.6	33.6	33.6	33.6	33.8	33.8	33.8	33.9
IV 18000	24.3	26.8	29.7	30.9	32.4	32.7	33.2	33.5	33.5	33.6	33.6	33.6	33.8	33.8	33.8	33.9
IV 16000	24.5	29.2	30.1	31.6	32.9	33.2	33.7	33.9	33.9	34.1	34.1	34.1	34.3	34.3	34.3	34.4
IV 14000	24.9	30.0	30.9	32.3	33.7	34.1	34.5	34.8	34.8	34.9	34.9	34.9	35.1	35.1	35.1	35.2
IV 12000	26.8	31.7	32.6	33.9	35.2	35.7	36.2	36.6	36.6	36.6	36.6	36.6	36.8	36.8	36.8	36.9
IV 10000	28.2	34.1	35.0	36.3	37.8	38.1	38.7	39.1	39.1	39.3	39.4	39.4	39.7	39.7	39.7	39.8
IV 9000	29.2	35.2	36.1	37.4	38.8	39.2	39.8	40.1	40.1	40.4	40.5	40.5	40.7	40.7	40.7	40.8
IV 8000	30.3	36.4	37.4	38.7	40.3	40.6	41.2	41.6	41.6	41.8	41.9	41.9	42.2	42.2	42.2	42.3
IV 7000	30.4	36.5	38.0	39.3	40.9	41.2	41.8	42.2	42.2	42.4	42.5	42.5	42.8	42.8	42.8	42.9
IV 6000	31.7	38.2	39.3	40.6	42.4	42.8	43.4	43.7	43.7	44.0	44.1	44.1	44.3	44.3	44.3	44.4
IV 5000	33.5	40.6	41.7	43.2	45.0	45.4	46.0	46.4	46.4	47.0	47.1	47.1	47.4	47.4	47.4	47.5
IV 4500	35.8	43.7	44.9	47.0	49.2	49.6	50.5	50.9	50.9	51.4	51.5	51.5	51.7	51.7	51.7	51.9
IV 4000	37.8	46.7	48.1	50.4	52.7	53.1	54.0	54.4	54.4	55.2	55.3	55.3	55.6	55.6	55.6	55.7
IV 3500	38.9	48.6	50.3	53.2	55.8	56.6	57.7	58.3	58.3	58.8	58.9	58.9	59.1	59.1	59.1	59.2
IV 3000	41.0	51.1	53.3	56.4	59.4	60.5	61.8	62.1	62.1	62.6	62.7	62.7	63.0	63.0	63.0	63.1
IV 2500	43.6	56.2	58.8	62.1	65.7	66.9	68.8	69.3	69.4	69.9	70.3	70.3	70.5	70.5	70.5	70.6
IV 2000	46.1	59.7	62.8	66.7	71.1	72.4	74.9	75.7	76.0	76.7	77.3	77.3	77.5	77.5	77.5	77.7
IV 1800	46.6	60.3	63.8	67.7	72.3	73.8	75.8	76.9	77.2	77.9	78.5	78.5	78.7	78.7	78.7	78.9
IV 1500	48.7	64.4	68.7	73.8	78.7	81.1	83.8	85.7	85.9	86.9	87.5	87.5	87.8	87.8	87.8	87.9
IV 1000	49.1	65.2	69.7	74.8	80.2	82.6	85.9	87.4	87.9	89.2	90.0	90.0	90.3	90.3	90.3	90.4
IV 900	49.1	65.7	70.4	75.8	80.9	83.2	86.1	88.2	88.6	90.0	90.7	90.7	91.0	91.0	91.0	91.2
IV 800	49.1	65.9	70.8	76.0	81.6	83.9	87.1	89.4	89.8	91.2	91.9	92.0	92.4	92.4	92.4	92.5
IV 700	49.1	66.1	70.8	76.5	82.1	84.7	87.6	90.0	90.4	91.8	92.5	92.7	93.1	93.1	93.1	93.2
IV 600	49.2	66.3	71.2	76.8	82.4	85.2	88.1	90.4	91.0	92.5	93.2	93.4	93.8	93.8	93.8	93.9
IV 500	49.2	66.4	71.3	77.3	83.0	86.1	89.0	91.2	92.0	93.6	94.7	95.0	95.4	95.4	95.4	95.5
IV 400	49.2	66.6	71.7	77.7	83.8	86.8	89.9	92.2	92.8	94.6	95.8	95.8	96.2	96.2	96.2	96.3
IV 300	49.2	66.8	71.7	77.7	83.8	86.8	89.9	92.2	92.8	94.6	95.8	95.8	96.2	96.2	96.2	96.3
IV 200	49.2	66.8	71.7	77.7	83.8	86.8	89.9	92.2	92.8	94.6	95.8	95.8	96.2	96.2	96.2	96.3
IV 100	49.2	66.8	71.7	77.7	83.8	86.8	89.9	92.2	92.8	94.6	95.8	95.8	96.2	96.2	96.2	96.3
IV 0	49.2	66.8	71.7	77.7	83.8	86.8	89.9	92.2	92.8	94.6	95.8	95.8	96.2	96.2	96.2	96.3

TOTAL NUMBER OF OBSERVATIONS 852

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

NAV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
 1958-1959

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	23.7	29.2	30.1	31.2	31.9	32.4	32.7	33.0	33.1	33.1	33.2	33.2	33.2	33.3	33.3	33.3
≥ 20000	26.4	32.5	33.7	35.1	35.8	36.3	36.7	36.9	37.0	37.0	37.2	37.2	37.2	37.3	37.3	37.3
IV 18000	26.9	32.9	34.1	35.5	36.2	36.7	37.0	37.3	37.4	37.4	37.5	37.5	37.5	37.6	37.6	37.6
IV 16000	27.6	33.7	34.9	36.3	37.0	37.5	37.9	38.1	38.2	38.2	38.4	38.4	38.4	38.5	38.5	38.5
IV 14000	27.8	34.2	35.4	36.8	37.5	38.0	38.4	38.6	38.7	38.7	38.8	38.8	38.8	38.9	38.9	38.9
IV 12000	28.6	34.9	36.1	37.5	38.2	38.7	39.1	39.3	39.4	39.4	39.5	39.5	39.5	39.7	39.7	39.7
IV 10000	30.0	36.3	37.5	38.9	39.7	40.1	40.5	40.9	41.0	41.0	41.1	41.1	41.1	41.2	41.2	41.2
IV 9000	30.5	37.3	38.5	39.9	40.6	41.1	41.5	41.8	41.9	41.9	42.1	42.1	42.1	42.2	42.2	42.2
IV 8000	31.4	38.7	39.9	41.3	42.2	42.7	43.0	43.5	43.6	43.6	43.7	43.7	43.7	43.8	43.8	43.8
IV 7000	32.5	39.9	41.1	42.5	43.5	44.0	44.3	44.8	44.9	44.9	45.0	45.0	45.0	45.2	45.2	45.2
IV 6000	33.1	40.9	42.2	43.6	44.6	45.3	45.6	46.1	46.2	46.2	46.4	46.4	46.4	46.5	46.5	46.5
IV 5000	34.3	42.9	44.2	45.6	46.7	47.7	48.0	48.5	48.7	48.7	48.9	48.9	48.9	49.0	49.0	49.0
IV 4500	36.0	45.2	46.6	48.0	50.1	50.8	51.1	51.7	52.0	52.0	52.1	52.1	52.1	52.2	52.2	52.2
IV 4000	36.7	46.7	48.1	50.7	52.0	52.7	53.0	53.8	54.0	54.0	54.1	54.1	54.1	54.2	54.2	54.2
IV 3500	38.1	48.5	50.3	53.2	54.6	55.3	55.7	56.4	56.6	56.6	56.8	56.8	56.8	56.9	56.9	56.9
IV 3000	38.9	50.8	52.8	55.8	57.5	58.4	59.0	59.7	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2
IV 2500	41.5	54.4	57.2	60.8	62.7	64.5	65.2	66.1	66.3	66.3	66.4	66.4	66.7	66.8	66.8	66.8
IV 2000	44.3	58.4	62.0	66.8	69.1	71.4	72.5	73.6	74.1	74.1	74.2	74.2	74.4	74.6	74.6	74.6
IV 1800	44.6	58.8	62.5	67.3	69.7	72.2	73.2	74.3	74.8	74.8	74.9	74.9	75.1	75.3	75.3	75.3
IV 1500	44.8	60.5	64.5	70.4	73.3	77.1	78.9	79.6	80.0	80.2	80.5	80.5	80.9	81.0	81.0	81.0
IV 1200	45.2	62.0	66.4	72.8	77.1	80.0	81.8	82.8	83.4	83.6	84.0	84.1	84.6	84.7	84.7	84.7
IV 1000	45.4	62.8	67.4	74.1	79.0	82.6	83.6	85.1	85.8	86.3	87.0	87.1	87.6	87.7	87.7	87.7
IV 900	45.4	62.8	67.4	74.4	79.4	82.6	84.5	85.9	86.7	87.2	87.9	88.1	88.5	88.6	88.6	88.6
IV 800	45.4	63.1	68.2	75.0	80.3	83.5	85.7	87.2	88.1	88.6	89.4	89.5	90.0	90.1	90.1	90.1
IV 700	45.5	63.2	68.5	75.3	80.8	84.8	86.1	87.7	88.5	89.1	90.1	90.2	90.7	90.8	90.8	90.8
IV 600	45.5	63.2	68.5	75.6	81.1	85.1	86.7	88.5	89.4	90.2	91.5	91.9	92.5	92.6	92.6	92.6
IV 500	45.5	63.2	68.7	75.9	81.4	84.8	87.5	89.2	90.2	91.0	92.5	93.0	93.5	93.7	93.9	93.9
IV 400	45.5	63.5	68.9	76.3	82.2	86.1	88.6	91.0	92.1	93.2	94.7	95.3	96.1	96.4	96.8	96.8
IV 300	45.5	63.4	68.9	76.3	82.2	86.1	88.9	91.5	93.0	94.0	95.6	96.3	97.1	97.7	98.2	98.3
IV 200	45.5	63.4	68.9	76.3	82.3	86.2	89.1	91.8	93.3	94.7	96.4	97.1	98.1	98.8	99.3	99.9
IV 100	45.5	63.4	68.9	76.3	82.3	86.2	89.1	91.8	93.3	94.7	96.4	97.1	98.1	98.8	99.3	99.9
IV 0	45.5	63.4	68.9	76.3	82.3	86.2	89.1	91.8	93.3	94.7	96.4	97.1	98.1	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 725287 NIAGARA FALLS NY

YEARS 73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
MOON 1.11

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	25.7	30.2	30.6	30.8	31.2	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 20000	29.7	35.8	35.7	36.2	36.8	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
IV 18000	30.1	35.8	36.2	36.7	37.0	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
16000	30.3	36.1	36.8	36.9	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
IV 14000	30.8	36.7	37.0	37.3	37.9	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
12000	31.4	37.8	37.8	38.8	38.7	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
IV 10000	33.0	39.4	39.8	40.4	40.7	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
9000	33.3	39.9	40.3	41.0	41.9	41.8	41.8	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 8000	34.3	40.9	41.2	42.1	42.7	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
7000	35.4	41.9	42.3	43.1	43.7	43.8	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 6000	35.4	41.9	42.4	43.2	43.8	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
5000	36.9	44.0	44.7	45.6	46.2	46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 4500	38.9	46.8	47.4	48.9	49.6	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
4000	40.6	48.6	49.6	51.0	51.7	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 3500	42.1	51.3	52.4	53.9	54.6	54.8	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
3000	44.8	54.8	56.8	58.1	58.9	59.3	59.6	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 2500	48.8	60.6	63.2	65.1	66.2	67.3	67.6	67.9	67.9	68.1	68.5	68.5	68.5	68.5	68.5	68.5
2000	52.3	66.8	70.8	72.6	74.2	75.7	76.3	77.1	77.2	77.4	77.8	77.8	77.8	77.8	77.8	77.8
IV 1800	52.4	67.0	71.0	73.2	74.8	76.3	76.9	77.7	77.8	78.0	78.4	78.4	78.4	78.4	78.4	78.4
1500	54.1	71.0	75.9	78.9	80.6	82.0	83.4	84.3	84.6	84.9	85.3	85.3	85.3	85.3	85.3	85.3
IV 1200	54.4	71.9	77.3	80.6	82.4	84.8	85.7	86.6	87.0	87.6	87.9	87.9	87.9	87.9	87.9	87.9
1000	54.8	72.3	78.1	81.8	83.8	85.9	87.1	88.1	88.4	89.2	89.6	89.6	89.6	89.6	89.6	89.6
IV 900	54.8	72.3	78.5	82.1	84.1	87.1	88.8	90.8	90.9	91.8	92.5	92.5	92.5	92.5	92.5	92.5
800	54.6	72.0	78.7	82.4	84.6	87.7	89.1	90.9	91.4	92.6	93.2	93.2	93.2	93.3	93.3	93.3
IV 700	54.6	72.0	78.9	82.7	84.8	88.7	89.6	91.8	92.6	93.8	94.5	94.5	94.5	94.5	94.5	94.5
600	54.6	72.0	78.9	82.7	85.2	88.8	90.1	92.0	93.1	94.5	95.1	95.1	95.1	95.5	95.5	95.7
IV 500	54.6	73.0	79.2	83.1	85.8	89.8	91.5	93.8	94.8	96.2	96.8	96.8	96.8	97.3	97.3	97.5
400	54.6	73.0	79.2	83.1	85.8	89.8	91.5	93.8	94.8	96.2	96.8	96.8	96.8	97.3	97.3	97.5
IV 300	54.6	73.0	79.2	83.1	85.8	89.8	91.5	93.8	94.8	96.2	96.8	96.8	96.8	97.3	97.3	97.5
200	54.6	73.0	79.2	83.1	85.8	89.8	91.5	93.8	94.8	96.2	96.8	96.8	96.8	97.3	97.3	97.5
IV 100	54.6	73.0	79.2	83.1	85.8	89.8	91.5	93.8	94.8	96.2	96.8	96.8	96.8	97.3	97.3	97.5
0	54.6	73.0	79.2	83.1	85.8	89.8	91.5	93.8	94.8	96.2	96.8	96.8	96.8	97.3	97.3	97.5

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥4	≥0
NO CEILING ≥ 20000	25.9 31.5	28.1 35.0	28.2 35.2	28.4 35.5	28.6 35.6	28.6 35.6	28.7 35.7	28.7 35.7	28.7 35.7	28.7 35.7	28.7 35.7	28.7 35.7	28.7 35.7	28.7 35.7	28.7 35.7	28.7 35.7
IV 18000 16000	31.8 32.0	35.2 35.5	35.5 35.7	35.7 36.0	36.0 36.4	36.0 36.4	36.1 36.6	36.1 36.6	36.1 36.6	36.1 36.6	36.1 36.6	36.1 36.6	36.1 36.6	36.1 36.6	36.1 36.6	36.1 36.6
IV 14000 12000	32.9 33.9	36.8 37.9	37.0 38.1	37.3 38.5	37.8 38.9	37.8 38.9	37.9 39.1	37.9 39.1	37.9 39.1	37.9 39.1	37.9 39.1	37.9 39.1	37.9 39.1	37.9 39.1	37.9 39.1	37.9 39.1
IV 10000 9000	35.5 36.2	39.8 40.5	40.0 40.9	40.4 41.5	40.9 41.9	40.9 41.9	41.1 42.2	41.1 42.2	41.1 42.2	41.1 42.2	41.1 42.2	41.1 42.2	41.1 42.2	41.1 42.2	41.1 42.2	41.1 42.2
IV 8000 7000	36.9 38.6	41.6 43.7	42.1 44.2	42.7 44.8	43.1 45.3	43.1 45.3	43.4 45.5	43.4 45.5	43.4 45.5	43.4 45.5	43.4 45.5	43.4 45.5	43.4 45.5	43.4 45.5	43.4 45.5	43.4 45.5
IV 6000 5000	38.6 40.1	44.1 46.5	44.6 47.1	45.2 47.8	45.6 48.3	45.6 48.3	45.9 48.5	45.9 48.5	45.9 48.5	45.9 48.5	45.9 48.5	45.9 48.5	45.9 48.5	45.9 48.5	45.9 48.5	45.9 48.5
IV 4500 4000	41.5 43.2	49.0 51.3	49.6 51.9	50.5 52.8	51.0 53.8	51.0 53.8	51.3 54.1	51.3 54.1	51.3 54.1	51.3 54.1	51.3 54.1	51.3 54.1	51.3 54.1	51.3 54.1	51.3 54.1	51.3 54.1
IV 3500 3000	45.9 49.5	54.8 59.6	55.6 60.5	56.6 61.8	57.3 62.8	57.6 62.8	57.9 63.2	57.9 63.2	57.9 63.2	57.9 63.2	57.9 63.2	57.9 63.2	57.9 63.2	57.9 63.2	57.9 63.2	57.9 63.2
IV 2500 2000	53.4 57.6	66.3 72.5	67.7 75.0	70.0 77.8	71.2 79.5	71.7 80.0	72.4 81.2	72.6 81.5	72.6 81.5	72.6 81.5	72.6 81.5	72.6 81.5	72.6 81.5	72.6 81.5	72.6 81.5	72.6 81.5
IV 1800 1500	57.6 58.1	72.5 74.4	75.0 77.3	78.0 80.5	79.8 83.2	80.4 83.9	81.6 85.1	81.8 85.8	81.8 85.8	81.8 85.9	81.8 85.9	81.8 85.9	81.8 85.9	81.8 85.9	81.8 85.9	81.8 85.9
IV 1200 1000	58.4 58.4	75.5 75.5	78.9 79.0	82.4 82.7	85.5 86.1	86.5 87.8	87.8 89.2	88.6 90.3	88.6 90.3	88.8 90.6	88.8 90.7	88.8 90.7	88.8 90.8	88.8 90.8	88.8 90.8	88.8 90.8
IV 900 800	58.4 58.4	75.5 75.6	79.0 79.2	82.7 83.0	86.1 86.6	87.8 88.8	89.2 90.2	90.3 91.8	90.3 91.8	90.6 92.1	90.7 92.2	90.7 92.2	90.8 92.5	90.8 92.5	90.8 92.5	90.8 92.5
IV 700 600	58.5 58.5	75.7 75.9	79.3 79.5	83.2 83.3	86.7 87.0	89.0 89.2	90.6 90.9	92.2 92.6	92.2 92.6	92.6 93.0	92.8 93.2	92.8 93.2	93.1 93.9	93.1 93.9	93.1 93.9	93.1 93.9
IV 500 400	58.5 58.5	75.9 75.9	79.5 79.6	83.3 83.4	87.1 87.5	89.5 90.2	91.3 92.5	93.4 94.9	93.5 95.1	93.9 95.6	94.1 95.8	94.1 95.8	94.8 96.3	94.5 96.4	94.5 96.4	94.5 96.4
IV 300 200	58.5 58.5	75.9 75.9	79.6 79.6	83.4 83.4	87.5 87.5	90.2 90.2	93.1 93.2	95.4 95.8	96.1 96.3	96.9 97.4	97.6 98.3	97.7 98.5	98.2 99.4	98.4 99.4	98.4 99.4	98.4 99.4
IV 100 0	58.5 58.5	75.9 75.9	79.6 79.6	83.4 83.4	87.5 87.5	90.2 90.2	93.2 93.2	95.8 95.8	96.3 96.3	97.4 97.4	98.3 98.3	98.4 98.4	99.4 99.4	99.6 99.6	99.6 99.6	99.8 100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/10	≥½	≥0
NO CEILING IV 20000	26.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 18000 IV 16000	32.5	36.6	36.8	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 14000 IV 12000	32.6	37.2	37.4	37.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 10000 IV 9000	37.5	42.4	42.7	42.8	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 8000 IV 7000	39.1	44.4	44.7	44.8	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 6000 IV 5000	39.8	45.9	46.1	46.2	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 4500 IV 4000	43.8	52.4	53.0	53.6	54.1	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 3500 IV 3000	48.4	59.3	60.1	60.9	61.4	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 2500 IV 2000	54.6	68.0	69.7	70.8	71.8	72.4	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1800 IV 1500	59.0	74.9	77.5	79.3	80.5	82.0	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1200 IV 1000	60.6	77.7	80.9	83.2	84.5	86.3	86.9	87.7	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 900 IV 800	60.9	78.1	81.5	83.8	85.3	87.4	88.8	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 700 IV 600	61.3	78.7	82.6	85.2	87.0	89.7	91.2	92.6	93.1	93.5	93.8	93.8	93.8	93.8	93.8	93.8
IV 500 IV 400	61.3	79.2	82.9	85.5	87.5	90.4	92.1	94.0	94.6	95.2	95.6	95.7	95.7	95.7	95.7	95.7
IV 300 IV 200	61.3	79.2	82.9	85.7	87.7	90.7	92.7	95.1	96.1	96.8	97.6	98.1	98.1	98.1	98.1	98.1
IV 100 IV 0	61.3	79.2	82.9	85.7	87.7	90.7	93.0	95.5	96.5	97.3	98.3	98.8	98.8	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

MAR

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	≥0	≥0
NO CEILING	30.2	33.6	33.9	34.1	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 20000	33.6	37.3	37.6	37.8	38.5	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 18000	33.8	37.5	37.9	38.0	38.7	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 16000	33.8	37.5	37.9	38.0	38.7	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 14000	34.5	38.4	38.7	38.8	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 12000	35.7	39.7	40.1	40.3	41.0	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 10000	38.1	42.1	42.5	42.7	43.4	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 9000	38.4	42.4	43.0	43.1	43.8	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 8000	39.5	43.7	44.3	44.4	45.2	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 7000	39.9	44.1	44.7	44.8	45.5	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 6000	40.3	44.4	45.0	45.2	45.9	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 5000	43.5	48.9	49.5	49.6	50.3	50.4	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8
IV 4500	46.0	53.9	54.7	54.8	55.6	55.8	56.0	56.0	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2
IV 4000	48.1	56.5	57.3	57.6	58.3	58.5	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9
IV 3500	51.6	60.2	61.1	61.5	62.5	62.7	63.1	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4
IV 3000	54.8	64.0	65.1	65.8	66.8	67.0	67.6	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 2500	59.6	69.9	71.3	72.3	73.5	73.7	74.3	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	63.4	75.6	78.0	79.1	80.3	80.5	81.1	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5
IV 1800	64.0	76.6	79.0	80.0	81.2	81.6	82.2	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500	65.9	79.0	81.6	83.0	84.3	84.7	85.4	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
IV 1200	66.1	79.1	81.8	83.5	85.3	85.9	86.7	87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8
IV 1000	66.8	80.3	83.2	84.8	86.6	87.6	88.4	89.5	89.6	89.8	90.0	90.0	90.0	90.0	90.0	90.0
IV 900	66.9	80.4	83.3	84.9	86.9	87.9	88.9	90.0	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6
IV 800	67.0	80.5	83.9	85.7	88.1	89.1	90.2	91.3	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2
IV 700	67.0	80.6	84.1	85.9	88.4	89.5	90.6	91.6	91.8	92.2	92.8	92.8	92.8	92.8	92.8	92.8
IV 600	67.0	80.6	84.2	86.3	88.8	89.8	91.0	92.5	92.8	93.3	93.9	93.9	93.9	93.9	93.9	93.9
IV 500	67.0	80.6	84.2	86.3	89.1	90.2	91.8	93.3	93.7	94.3	94.9	95.1	95.1	95.1	95.1	95.1
IV 400	67.0	80.6	84.2	86.3	89.4	90.7	92.6	94.1	94.5	95.1	95.7	95.9	95.9	95.9	95.9	95.9
IV 300	67.0	80.6	84.2	86.4	89.5	90.9	93.1	95.1	95.6	96.4	97.3	97.6	97.6	97.6	97.6	97.6
IV 200	67.0	80.6	84.3	86.6	89.7	91.3	93.7	95.7	96.2	97.0	98.1	98.4	98.4	98.4	98.4	98.4
IV 100	67.0	80.6	84.3	86.6	89.7	91.3	93.7	95.9	96.5	97.4	98.6	98.9	99.0	99.4	99.8	99.9
IV 0	67.0	80.6	84.3	86.6	89.7	91.3	93.7	95.9	96.5	97.4	98.6	98.9	99.0	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 STATION NIAGARA FALLS NY STATION NAME 73-81 YEARS MAP MONTH ALL HOURS YR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.1	≥0
NO CEILING IV 20000	26.9	30.5	31.0	31.4	31.8	32.0	32.2	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5
IV 18000 IV 16000	30.8	34.9	35.4	35.9	36.4	36.6	36.8	37.0	37.0	37.0	37.0	37.0	37.1	37.1	37.1	37.1
IV 14000 IV 12000	31.4	36.0	36.5	37.1	37.6	37.8	38.0	38.2	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3
IV 10000 IV 9000	34.2	39.2	39.8	40.3	41.0	41.2	41.4	41.6	41.6	41.7	41.7	41.7	41.8	41.8	41.8	41.8
IV 8000 IV 7000	35.9	41.2	41.8	42.4	43.1	43.3	43.6	43.8	43.8	43.9	43.9	43.9	43.9	44.0	44.0	44.0
IV 6000 IV 5000	37.2	42.9	43.6	44.3	45.0	45.2	45.5	45.7	45.7	45.8	45.8	45.8	45.8	45.9	45.9	45.9
IV 4500 IV 4000	41.5	49.4	50.3	51.4	52.3	52.6	52.9	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4
IV 3500 IV 3000	45.6	55.1	56.2	57.6	58.7	59.1	59.5	59.8	59.9	60.0	60.0	60.0	60.1	60.1	60.1	60.1
IV 2500 IV 2000	51.9	64.1	66.1	68.0	69.6	70.4	71.0	71.4	71.5	71.6	71.7	71.7	71.8	71.8	71.8	71.8
IV 1800 IV 1500	55.5	69.8	72.6	75.1	77.1	78.2	79.1	79.8	79.9	80.1	80.2	80.2	80.3	80.3	80.3	80.3
IV 1200 IV 1000	57.4	73.4	77.0	80.3	83.0	84.6	85.8	86.9	87.1	87.4	87.6	87.6	87.7	87.8	87.8	87.8
IV 900 IV 800	57.7	74.1	77.9	81.4	84.3	86.2	87.5	88.8	89.1	89.5	89.8	89.8	89.9	89.9	89.9	89.9
IV 700 IV 600	58.0	74.8	78.9	82.7	85.9	88.1	89.6	91.2	91.6	92.2	92.6	92.7	92.8	92.8	92.8	92.9
IV 500 IV 400	58.0	74.9	79.1	83.0	86.3	88.6	90.2	92.0	92.4	93.0	93.5	93.6	93.8	93.8	93.8	93.9
IV 300 IV 200	58.1	75.1	79.5	83.5	87.2	89.7	91.6	93.8	94.3	95.1	95.8	96.0	96.3	96.4	96.4	96.5
IV 100 0	58.1	75.1	79.5	83.6	87.3	89.9	92.2	94.8	95.7	96.7	97.7	98.1	98.4	98.7	98.9	99.0
	58.1	75.1	79.5	83.6	87.3	89.9	92.2	94.8	95.7	96.7	97.9	98.3	98.7	99.1	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS 6696

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	40.5	43.1	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 20000	43.1	45.9	46.8	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 18000	43.1	45.9	46.8	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 16000	43.1	45.9	46.8	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 14000	43.2	46.2	47.0	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 12000	44.2	47.2	48.0	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 10000	45.7	49.4	50.2	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 9000	46.3	50.0	50.9	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 8000	47.8	51.5	52.3	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 7000	48.6	52.3	53.3	53.7	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 6000	49.6	53.3	54.3	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 5000	53.7	57.9	59.0	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 4500	56.9	62.2	63.3	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 4000	59.9	65.7	67.0	67.9	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 3500	62.1	68.8	70.2	71.5	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	64.6	71.7	73.8	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 2500	68.8	77.9	80.1	81.9	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2000	71.4	81.2	83.6	85.4	85.8	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1800	71.6	81.6	84.0	85.8	86.3	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1500	72.6	83.1	85.6	87.7	88.1	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1200	73.1	83.8	86.3	88.5	89.1	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	73.7	84.7	87.3	89.5	90.2	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 900	73.7	84.7	87.4	89.6	90.4	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 800	73.7	84.7	87.8	90.2	91.0	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 700	73.7	84.8	88.0	90.7	91.9	92.8	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 600	73.7	85.3	88.6	91.6	92.7	93.7	94.4	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 500	73.8	85.4	89.0	92.0	93.2	94.3	95.1	95.9	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 400	73.8	85.4	89.0	92.1	93.3	94.4	95.7	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 300	74.1	85.8	89.5	93.1	94.4	95.9	97.3	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	74.1	85.8	89.5	93.2	94.6	96.0	97.4	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	74.1	85.8	89.5	93.2	94.6	96.0	97.4	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	74.1	85.8	89.5	93.2	94.6	96.0	97.4	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5-16	¾	≥0
NO CEILING	37.9	42.2	43.3	43.5	43.8	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.3	44.3	44.3
IV 20000	40.2	45.1	46.2	46.3	46.7	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.2	47.2	47.2
IV 18000	40.4	45.2	46.3	46.4	46.8	46.9	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3
IV 16000	40.4	45.2	46.3	46.4	46.8	46.9	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3
IV 14000	41.1	45.9	47.0	47.2	47.5	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.0	48.0
IV 12000	41.9	46.7	47.8	47.9	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.8	48.8	48.8
IV 10000	44.0	49.1	50.2	50.4	50.7	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.2
IV 9000	45.1	50.2	51.4	51.5	51.9	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3
IV 8000	45.8	51.1	52.2	52.3	52.7	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2
IV 7000	47.2	52.5	53.6	53.7	54.1	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.6
IV 6000	48.5	53.8	54.9	55.1	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9
IV 5000	52.1	58.1	59.4	59.5	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.4
IV 4500	56.7	63.1	64.3	64.7	65.1	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7
IV 4000	58.0	64.6	65.9	66.3	66.7	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
IV 3500	60.4	67.3	68.6	69.4	70.0	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7
IV 3000	62.5	69.9	71.2	72.1	72.8	73.2	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6
IV 2500	67.2	75.9	77.5	78.6	79.6	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.4	80.4	80.4
IV 2000	69.4	78.8	80.7	82.0	83.3	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4
IV 1800	69.5	79.4	81.4	82.7	84.4	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7
IV 1500	71.2	81.6	83.7	85.2	86.9	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1
IV 1200	72.0	82.8	84.9	86.5	88.3	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6
IV 1000	72.1	83.2	85.3	86.9	88.8	89.5	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
IV 900	72.1	83.5	85.7	87.3	89.1	89.9	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7
IV 800	72.1	84.1	86.5	88.4	90.4	91.7	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.7	92.7	92.7
IV 700	72.3	84.7	87.2	89.3	91.4	92.8	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8
IV 600	72.5	85.1	87.7	89.8	91.9	93.5	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8
IV 500	73.2	86.2	88.8	91.1	93.2	94.8	95.2	96.0	96.2	96.3	96.3	96.4	96.5	96.5	96.7	96.7
IV 400	73.2	86.2	88.8	91.2	93.5	95.4	95.8	96.7	96.8	97.0	97.0	97.2	97.3	97.3	97.4	97.4
IV 300	73.5	86.4	89.1	91.6	93.8	96.2	96.5	98.0	98.1	98.4	98.5	98.6	98.9	99.0	99.1	99.1
IV 200	73.5	86.4	89.1	91.6	93.8	96.2	96.5	98.3	98.4	98.6	98.8	98.9	99.1	99.3	99.4	99.4
IV 100	73.5	86.4	89.1	91.6	93.8	96.2	96.5	98.3	98.5	98.8	98.9	99.0	99.3	99.4	99.5	99.5
IV 0	73.5	86.4	89.1	91.6	93.8	96.2	96.5	98.3	98.5	98.8	99.0	99.1	99.5	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-01

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	29.8	37.9	39.0	40.6	41.6	42.1	42.7	42.8	42.8	42.8	43.0	43.0	43.0	43.3	43.3	43.5
IV 20000	32.6	41.5	43.0	44.6	45.6	46.0	46.7	46.8	46.8	46.8	46.9	46.9	47.0	47.4	47.5	47.7
IV 18000	32.7	41.6	43.2	44.8	45.8	46.3	46.9	47.0	47.0	47.0	47.2	47.2	47.3	47.7	47.8	47.9
IV 16000	32.8	41.9	43.5	45.1	46.0	46.5	47.2	47.3	47.3	47.3	47.4	47.4	47.5	47.9	48.0	48.1
IV 14000	33.2	42.3	44.0	45.6	46.5	47.0	47.7	47.8	47.8	47.8	47.9	47.9	48.0	48.4	48.5	48.6
IV 12000	34.2	43.6	45.3	47.2	48.3	48.8	49.9	49.5	49.5	49.5	49.6	49.6	49.8	50.1	50.2	50.4
IV 10000	35.4	44.9	46.9	48.8	50.1	50.7	51.4	51.5	51.5	51.5	51.6	51.6	51.7	52.1	52.2	52.3
IV 9000	36.3	45.9	48.0	49.9	51.2	51.9	52.5	52.6	52.6	52.6	52.7	52.7	52.8	53.2	53.3	53.5
IV 8000	37.8	47.5	49.6	51.7	53.1	53.7	54.3	54.4	54.4	54.4	54.6	54.6	54.7	55.1	55.2	55.3
IV 7000	38.1	48.5	50.7	52.8	54.2	54.8	55.4	55.4	55.4	55.6	55.7	55.7	55.8	56.2	56.3	56.4
IV 6000	39.0	49.5	51.7	53.8	55.2	55.8	56.4	56.5	56.5	56.5	56.7	56.7	56.8	57.2	57.3	57.4
IV 5000	41.2	52.5	54.9	57.3	58.6	59.3	59.9	60.0	60.0	60.0	60.1	60.1	60.2	60.6	60.7	60.9
IV 4500	43.2	54.7	57.3	59.8	61.2	61.9	62.5	62.6	62.6	62.6	62.7	62.7	62.8	63.2	63.3	63.5
IV 4000	44.8	56.8	59.5	62.1	63.7	64.3	64.9	65.1	65.1	65.1	65.2	65.2	65.3	65.7	65.8	65.9
IV 3500	46.4	59.3	62.0	64.9	66.5	67.2	67.8	67.9	67.9	67.9	68.0	68.0	68.1	68.5	68.6	68.8
IV 3000	47.7	61.4	64.2	67.2	68.8	69.5	70.1	70.4	70.4	70.4	70.5	70.5	70.6	71.0	71.1	71.2
IV 2500	50.4	65.1	68.1	71.7	73.6	74.3	75.1	75.3	75.4	75.4	75.6	75.6	75.7	76.0	76.2	76.3
IV 2000	52.8	68.6	72.0	76.0	78.4	79.8	80.7	81.2	81.5	81.6	82.0	82.0	82.1	82.5	82.7	82.8
IV 1800	53.1	69.0	72.3	76.7	79.3	80.7	81.7	82.2	82.5	82.6	83.0	83.0	83.1	83.5	83.7	83.8
IV 1500	54.3	71.1	74.6	79.3	82.1	84.0	85.2	86.0	86.3	86.5	87.0	87.0	87.2	87.5	87.8	87.9
IV 1200	54.8	72.0	75.6	80.2	83.2	85.4	86.7	87.5	87.8	88.0	88.5	88.5	88.6	89.0	89.3	89.4
IV 1000	55.2	72.6	76.4	81.4	84.7	87.2	88.5	89.4	89.8	90.0	90.6	90.6	90.7	91.1	91.4	91.5
IV 900	55.2	72.6	76.4	81.5	84.8	87.4	88.8	89.6	90.0	90.4	91.0	91.0	91.1	91.5	91.7	91.9
IV 800	55.3	73.1	76.9	82.1	85.6	88.1	89.5	90.4	90.7	91.1	91.7	91.7	91.9	92.2	92.5	92.6
IV 700	55.3	73.3	77.2	82.8	86.7	89.3	90.9	91.7	92.1	92.5	93.2	93.2	93.3	93.7	94.0	94.1
IV 600	55.4	73.6	77.5	83.5	87.4	90.4	92.3	93.2	93.6	94.0	94.8	94.8	95.1	95.4	95.7	95.8
IV 500	55.6	73.8	77.9	84.1	88.0	91.0	93.2	94.1	94.4	94.9	95.8	95.8	96.0	96.4	96.7	96.8
IV 400	55.6	74.0	78.0	84.3	88.3	91.4	94.0	95.1	95.4	95.9	96.9	96.9	97.2	97.5	97.9	98.0
IV 300	55.6	74.0	78.0	84.3	88.5	91.7	94.4	95.8	96.2	96.7	97.7	97.7	97.9	98.3	98.6	98.8
IV 200	55.6	74.0	78.0	84.3	88.5	91.7	94.4	95.9	96.4	96.9	97.9	98.0	98.3	98.6	99.0	99.1
IV 100	55.6	74.0	78.0	84.3	88.5	91.7	94.4	95.9	96.4	96.9	97.9	98.0	98.3	98.6	99.0	99.1
IV 0	55.6	74.0	78.0	84.3	88.5	91.7	94.4	95.9	96.4	96.9	98.0	98.1	98.5	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY STATION YEAR

73-81 YEARS

APP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0990-1100  
FORM 1311

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	25-16	¾	≥0
NO CEILING ≥ 20000	33.5	41.1	42.2	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
IVN 18000 16000	36.7	44.6	45.7	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IVN 14000 12000	37.2	45.6	46.7	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IVN 10000 9000	39.1	48.0	49.3	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IVN 8000 7000	42.2	51.5	53.1	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IVN 6000 5000	43.3	53.3	55.1	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IVN 4500 4000	45.9	57.9	60.0	61.0	61.1	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IVN 3500 3000	48.6	61.9	64.3	65.4	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IVN 2500 2000	54.8	70.5	73.3	74.7	75.6	76.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IVN 1800 1500	57.4	74.4	78.1	79.9	81.2	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IVN 1200 1000	59.3	77.9	82.3	84.4	86.5	88.0	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IVN 900 800	59.9	79.1	84.1	86.7	89.0	90.5	91.5	92.2	92.3	92.6	93.0	93.0	93.0	93.0	93.0	93.0
IVN 700 600	60.0	79.9	85.4	88.0	90.6	92.8	94.1	94.9	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IVN 500 400	60.0	79.9	85.6	88.1	90.9	93.6	94.8	95.8	96.0	96.4	96.8	96.8	96.8	96.8	97.0	97.0
IVN 300 200	60.0	79.9	85.6	88.4	91.2	94.2	96.0	97.4	97.7	97.9	98.4	98.5	98.6	98.9	99.1	99.1
IVN 100 0	60.0	79.9	85.6	88.4	91.2	94.2	96.0	97.7	97.9	98.4	98.9	99.0	99.4	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 310

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	35.6	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	42.2	47.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 18000	42.2	47.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 16000	42.2	48.0	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	48.5
IV 14000	43.3	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 12000	45.6	51.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 10000	46.7	53.2	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 9000	48.0	54.6	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 8000	49.5	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 7000	49.5	56.7	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 6000	50.4	57.4	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 5000	51.5	59.4	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 4500	52.7	61.0	61.9	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
IV 4000	53.3	61.9	62.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 3500	56.4	64.9	65.8	65.9	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 3000	58.8	67.8	68.6	68.8	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 2500	64.7	75.9	77.2	77.4	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 2000	69.1	81.4	82.7	83.0	83.8	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800	69.5	82.1	83.5	83.8	84.8	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1500	70.7	83.8	85.4	86.0	87.0	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1200	71.5	84.7	86.3	87.2	88.1	88.9	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1000	71.6	85.4	87.5	88.4	89.4	90.2	91.0	91.1	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5
IV 900	71.6	85.8	88.1	89.0	90.0	90.9	91.7	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2
IV 800	71.6	85.9	88.4	89.8	90.9	91.9	92.8	93.1	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 700	72.0	86.3	88.9	90.7	92.2	93.3	94.3	94.7	94.8	94.9	95.3	95.4	95.4	95.4	95.4	95.4
IV 600	72.0	86.4	89.1	91.5	93.1	94.4	95.6	95.9	96.3	96.4	96.8	96.9	96.9	96.9	96.9	96.9
IV 500	72.0	86.4	89.1	91.5	93.2	94.6	95.8	96.4	96.8	96.9	97.3	97.4	97.5	97.5	97.5	97.5
IV 400	72.0	86.4	89.3	91.9	93.6	95.6	97.2	97.8	98.1	98.3	98.6	98.8	98.9	98.9	98.9	98.9
IV 300	72.0	86.4	89.3	91.9	93.6	95.6	97.2	97.8	98.1	98.3	98.6	98.8	98.9	98.9	98.9	98.9
IV 200	72.0	86.4	89.3	91.9	93.6	95.6	97.3	98.3	98.8	98.9	99.4	99.6	99.8	99.8	99.8	99.8
IV 100	72.0	86.4	89.3	91.9	93.6	95.6	97.3	98.3	98.8	98.9	99.4	99.6	99.8	99.8	99.8	99.8
IV 0	72.0	86.4	89.3	91.9	93.6	95.6	97.3	98.3	98.8	98.9	99.4	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	37.8	40.0	40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 20000	44.1	47.5	47.7	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 18000	44.2	47.5	47.8	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 16000	44.6	47.9	48.1	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 14000	45.2	48.8	49.0	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 12000	46.9	50.7	51.0	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 10000	48.6	52.8	53.2	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 9000	50.2	54.4	54.8	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 8000	52.6	57.0	57.8	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 7000	53.6	58.0	58.8	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 6000	54.0	58.4	59.1	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 5000	55.9	60.7	61.5	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 4500	57.8	63.0	63.7	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 4000	59.5	65.2	66.0	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3500	61.0	68.1	69.0	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 3000	62.8	71.2	72.6	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2500	68.0	77.8	79.4	80.5	81.6	81.6	81.7	81.7	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9
IV 2000	69.9	80.1	81.7	83.0	84.2	84.9	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800	69.9	80.6	82.2	83.5	84.9	85.7	85.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0
IV 1500	71.1	82.8	84.6	85.8	87.4	88.1	88.3	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5
IV 1200	71.4	83.8	85.6	86.9	88.6	89.4	89.5	89.5	89.5	89.6	89.9	89.9	89.9	90.0	90.0	90.0
IV 1000	71.4	84.1	86.5	88.4	90.4	91.1	91.4	91.4	91.4	91.6	91.9	92.0	92.0	92.1	92.1	92.1
IV 900	71.4	84.1	86.9	88.4	90.4	91.2	91.5	91.5	91.7	92.0	92.1	92.1	92.2	92.2	92.2	92.2
IV 800	71.4	84.1	87.2	88.6	90.8	91.7	92.2	92.2	92.7	93.0	93.2	93.2	93.3	93.3	93.3	93.3
IV 700	71.4	84.4	87.7	89.3	91.7	92.8	93.6	93.6	94.1	94.4	95.1	95.1	95.3	95.3	95.3	95.3
IV 600	71.4	84.8	87.9	89.6	92.2	93.6	94.4	94.4	94.9	95.3	96.0	96.0	96.3	96.3	96.3	96.3
IV 500	71.4	84.8	88.1	90.1	92.7	94.7	95.8	96.4	96.9	97.3	98.4	98.4	98.6	98.6	98.6	98.6
IV 400	71.4	84.9	88.4	90.5	93.1	95.1	96.2	96.8	97.4	97.8	98.9	98.9	99.3	99.3	99.3	99.3
IV 300	71.4	84.9	88.4	90.6	93.2	95.3	96.4	97.0	97.7	98.0	99.1	99.1	99.5	99.5	99.5	99.5
IV 200	71.4	84.9	88.4	90.6	93.2	95.3	96.4	97.0	97.8	98.1	99.3	99.3	99.6	99.6	99.6	99.6
IV 100	71.4	84.9	88.4	90.6	93.2	95.3	96.4	97.0	97.8	98.1	99.3	99.3	99.6	99.6	99.6	99.6
IV 0	71.4	84.9	88.4	90.6	93.2	95.3	96.4	97.0	97.8	98.1	99.3	99.3	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥	≥0
NO CEILING	38.4	41.0	41.6	41.7	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 20000	42.1	46.0	47.0	47.3	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
18000	42.1	46.0	47.0	47.3	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
16000	42.5	46.4	47.4	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
14000	42.8	47.2	48.1	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
12000	45.6	50.5	51.5	52.0	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
10000	47.9	53.8	54.9	55.4	55.8	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
9000	48.0	54.1	55.2	55.7	56.0	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
8000	50.7	56.9	58.0	58.8	59.1	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4
7000	51.7	58.1	59.4	60.2	60.6	60.7	60.7	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9
6000	52.3	58.9	60.1	61.0	61.4	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
5000	54.9	61.9	63.1	64.4	65.2	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
4500	57.5	65.3	67.0	68.5	69.3	69.6	69.6	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8
4000	60.0	68.8	70.7	72.5	73.2	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
3500	61.6	71.1	73.2	75.1	75.8	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
3000	63.0	73.7	75.9	77.9	78.8	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
2500	66.4	78.0	80.6	82.7	84.0	84.3	84.6	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
2000	68.4	80.6	83.2	85.7	86.9	87.3	87.7	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
1800	69.0	81.4	84.1	86.9	87.8	88.1	88.3	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1500	69.5	82.8	85.8	88.7	89.6	90.0	90.4	90.6	90.7	91.0	91.0	91.0	91.0	91.1	91.1	91.1
1200	69.5	83.0	86.0	88.9	90.0	90.4	90.7	91.0	91.1	91.4	91.4	91.4	91.4	91.5	91.5	91.6
1000	69.8	83.7	86.9	89.8	91.0	91.7	92.1	92.3	92.5	92.7	92.7	92.7	92.7	93.0	93.0	93.1
900	69.8	83.7	86.9	89.8	91.2	91.7	92.1	92.3	92.5	92.7	92.7	92.7	93.0	93.0	93.1	93.1
800	69.8	83.8	87.0	90.1	91.6	92.2	92.7	93.0	93.1	93.3	93.3	93.3	93.6	93.6	93.7	93.7
700	69.8	84.3	87.8	91.0	92.6	93.2	94.0	94.2	94.3	94.6	94.7	94.7	94.9	94.9	95.1	95.1
600	69.8	84.9	88.4	91.6	93.2	93.8	94.8	95.1	95.3	95.6	95.8	95.8	96.0	96.0	96.2	96.2
500	69.8	84.9	88.5	91.9	93.7	94.4	95.6	95.8	96.2	96.7	97.0	97.0	97.3	97.3	97.4	97.4
400	69.8	84.9	88.5	91.9	93.7	94.7	96.0	96.4	96.8	97.4	97.8	97.8	98.0	98.0	98.1	98.1
300	69.8	85.1	88.8	92.2	94.2	95.2	96.5	97.0	97.4	98.1	98.6	98.6	98.9	98.9	99.0	99.0
200	69.8	85.1	88.8	92.2	94.2	95.2	96.7	97.2	97.7	98.4	98.9	98.9	99.1	99.1	99.3	99.4
100	69.8	85.1	88.8	92.2	94.2	95.2	96.7	97.5	98.0	98.8	99.3	99.3	99.5	99.5	99.6	99.9
0	69.8	85.1	88.8	92.2	94.2	95.2	96.7	97.5	98.0	98.8	99.3	99.3	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

APP

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	≥0	
NO CEILING ≥ 20000	41.4	44.0	44.1	44.1	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IVM 18000 16000	44.3	47.4	47.7	47.7	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IVM 14000 12000	45.4	48.6	48.9	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IVM 10000 9000	48.0	51.9	52.2	52.2	52.3	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IVM 8000 7000	49.9	53.8	54.2	54.2	54.3	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IVM 6000 5000	51.4	55.8	56.3	56.3	56.4	56.4	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IVM 4500 4000	57.7	64.7	65.8	66.0	66.4	66.4	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IVM 3500 3000	63.3	71.7	73.0	73.2	73.7	73.7	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IVM 2500 2000	69.8	80.2	82.3	82.8	83.5	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IVM 1800 1500	72.3	83.3	85.6	86.2	86.8	86.9	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IVM 1200 1000	73.7	86.0	88.4	89.3	90.0	90.2	90.3	90.6	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9
IVM 900 800	74.2	87.3	90.0	91.2	92.1	92.5	92.7	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1
IVM 700 600	74.4	88.1	90.9	92.5	93.3	94.0	94.4	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
IVM 500 400	74.7	88.9	91.6	93.3	94.2	95.1	95.6	95.8	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4
IVM 300 200	74.8	89.1	92.1	94.1	95.1	96.8	97.8	97.4	97.5	98.0	98.1	98.1	98.3	98.3	98.3	98.3
IVM 100 0	74.8	89.1	92.3	94.3	95.4	96.4	97.7	98.4	98.5	99.1	99.3	99.3	99.4	99.4	99.4	99.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥4	≥0
NO CEILING	36.8	41.2	41.9	42.3	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.8
≥ 20000	40.6	45.6	46.4	46.9	47.1	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.5	47.5
IV 18000	40.7	45.7	46.6	47.0	47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.6	47.6
IV 16000	41.0	46.0	46.9	47.3	47.5	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9
IV 14000	41.4	46.7	47.5	47.9	48.2	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.6
IV 12000	42.7	48.2	49.1	49.6	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2
IV 10000	44.4	50.4	51.4	51.9	52.2	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6
IV 9000	45.3	51.4	52.4	52.9	53.2	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6
IV 8000	47.0	53.2	54.3	54.9	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6
IV 7000	47.9	54.2	55.4	56.0	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.7	56.7	56.7
IV 6000	48.6	55.1	56.2	56.8	57.2	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.7	57.7
IV 5000	51.0	58.3	59.7	60.4	60.8	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.3
IV 4500	53.5	61.5	62.9	63.8	64.3	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8
IV 4000	55.3	63.8	65.3	66.3	66.9	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
IV 3500	57.5	66.6	68.3	69.5	70.1	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.7	70.7	70.7
IV 3000	59.6	69.5	71.4	72.6	73.3	73.6	73.8	73.8	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0
IV 2500	63.8	75.2	77.3	78.8	79.7	80.1	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6	80.6
IV 2000	66.2	78.4	80.7	82.4	83.6	84.2	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9	85.0
IV 1800	66.5	79.0	81.4	83.1	84.4	85.1	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.8	85.8	85.9
IV 1500	67.7	81.0	83.5	85.5	86.9	87.7	88.1	88.3	88.4	88.5	88.6	88.6	88.6	88.7	88.8	88.8
IV 1200	68.1	81.7	84.4	86.5	88.0	88.9	89.9	89.6	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0
IV 1000	68.4	82.4	85.4	87.7	89.3	90.3	90.9	91.2	91.3	91.5	91.6	91.6	91.7	91.8	91.8	91.8
IV 900	68.5	82.6	85.7	87.9	89.6	90.6	91.2	91.5	91.7	91.8	92.0	92.0	92.1	92.1	92.2	92.2
IV 800	68.5	82.8	86.1	88.5	90.3	91.5	92.2	92.5	92.7	92.8	93.0	93.0	93.1	93.1	93.2	93.2
IV 700	68.6	83.2	86.6	89.3	91.3	92.6	93.4	93.8	94.0	94.1	94.4	94.4	94.5	94.6	94.6	94.6
IV 600	68.7	83.5	87.0	89.8	91.9	93.4	94.3	94.8	95.0	95.2	95.6	95.6	95.7	95.8	95.8	95.8
IV 500	68.8	83.8	87.3	90.3	92.4	94.1	95.1	95.8	96.1	96.4	96.8	96.9	97.0	97.1	97.1	97.1
IV 400	68.8	83.8	87.4	90.5	92.6	94.5	95.9	96.6	97.0	97.3	97.7	97.8	97.9	98.0	98.1	98.1
IV 300	68.9	84.0	87.6	90.8	93.0	95.0	96.4	97.4	97.7	98.1	98.6	98.6	98.8	98.9	99.0	99.0
IV 200	68.9	84.0	87.6	90.8	93.1	95.1	96.5	97.6	98.1	98.5	99.0	99.0	99.2	99.3	99.4	99.4
IV 100	68.9	84.0	87.6	90.8	93.1	95.1	96.6	97.7	98.2	98.6	99.1	99.2	99.4	99.5	99.6	99.7
IV 0	68.9	84.0	87.6	90.8	93.1	95.1	96.6	97.7	98.2	98.6	99.1	99.2	99.5	99.6	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 6980

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

MAY

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	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	41.0	46.4	47.6	47.9	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	44.2	49.8	51.0	51.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000	44.2	49.8	51.3	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 16000	44.2	49.8	51.3	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 14000	44.6	50.2	51.7	52.2	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 12000	45.3	51.0	52.9	53.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 10000	48.3	54.4	56.3	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 9000	48.3	54.4	56.3	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 8000	48.6	55.0	56.9	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 7000	49.1	55.7	57.6	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 6000	50.2	56.6	58.5	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 5000	52.9	61.3	63.4	64.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 4500	57.2	66.5	68.8	69.9	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000	59.0	68.9	71.3	72.4	73.4	73.4	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3500	61.3	71.7	74.1	75.5	76.5	76.5	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	62.8	73.4	76.0	77.5	78.5	78.5	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 2500	65.9	78.4	81.1	82.9	84.0	84.0	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 2000	67.7	80.4	83.3	85.3	86.4	86.4	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1800	68.6	81.2	84.1	86.4	87.5	87.5	87.6	87.8	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1
IV 1500	69.9	82.7	85.5	88.1	89.5	89.5	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
IV 1200	70.3	83.0	85.9	88.6	90.1	90.3	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.2	91.2	91.2
IV 1000	70.8	84.0	86.9	89.4	91.0	91.3	91.5	91.9	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1
IV 900	71.2	84.5	87.5	90.3	91.8	92.0	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8
IV 800	71.3	84.8	87.9	90.8	92.2	92.4	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4
IV 700	71.3	85.2	88.3	91.4	92.8	93.2	93.4	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1
IV 600	71.3	85.2	88.5	91.4	93.1	93.4	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5
IV 500	71.3	85.5	88.9	92.0	93.4	93.9	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1
IV 400	71.4	85.7	89.1	92.4	93.8	94.3	94.7	95.3	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8
IV 300	71.4	85.7	89.1	92.4	94.0	95.0	96.1	96.7	97.0	97.4	97.5	97.5	97.5	97.6	97.6	97.6
IV 200	71.4	85.7	89.1	92.4	94.0	95.0	96.2	96.9	97.4	97.8	98.0	98.0	98.0	98.2	98.2	98.3
IV 100	71.4	85.7	89.1	92.4	94.0	95.0	96.2	97.0	97.6	98.2	98.3	98.3	98.3	98.6	98.9	99.2
IV 0	71.4	85.7	89.1	92.4	94.0	95.0	96.2	97.0	97.6	98.2	98.3	98.3	98.3	98.6	98.9	99.2

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	35.6	41.0	42.1	43.0	43.8	44.1	45.0	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5
≥ 20000	39.1	44.8	46.0	47.0	47.8	48.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6
IV 18000	39.1	44.8	46.0	47.0	47.8	48.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6
IV 16000	39.1	44.8	46.0	47.0	47.8	48.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6
IV 14000	39.5	45.4	46.6	47.6	48.4	48.7	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2
IV 12000	40.7	46.7	48.0	49.1	49.9	50.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7	51.7
IV 10000	43.1	49.9	51.5	52.7	53.9	54.2	55.2	55.6	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.8
IV 9000	43.5	50.5	52.1	53.3	54.5	54.8	55.9	56.3	56.3	56.3	56.4	56.4	56.5	56.5	56.5	56.5
IV 8000	44.6	52.0	53.5	54.7	55.9	56.3	57.3	57.7	57.7	57.7	57.8	57.8	57.9	57.9	57.9	57.9
IV 7000	45.6	53.0	54.6	55.9	57.1	57.5	58.5	58.9	58.9	58.9	59.0	59.0	59.1	59.1	59.1	59.1
IV 6000	46.5	54.0	55.8	57.1	58.3	58.7	59.7	60.1	60.1	60.1	60.2	60.2	60.3	60.3	60.3	60.3
IV 5000	49.2	57.8	59.6	61.6	63.0	63.4	64.6	65.0	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.2
IV 4500	53.3	62.4	64.4	66.5	68.0	68.6	69.9	70.3	70.3	70.3	70.4	70.4	70.5	70.5	70.5	70.5
IV 4000	54.7	64.5	66.5	68.7	70.3	70.8	72.2	72.6	72.6	72.6	72.8	72.8	72.9	72.9	72.9	72.9
IV 3500	56.2	66.9	68.9	71.1	72.6	73.2	74.6	75.0	75.0	75.0	75.1	75.1	75.3	75.3	75.3	75.3
IV 3000	58.1	69.7	71.9	74.1	75.6	76.2	77.8	78.3	78.3	78.3	78.4	78.4	78.5	78.5	78.5	78.5
IV 2500	60.5	73.0	75.6	78.0	79.8	80.4	82.0	82.4	82.4	82.4	82.6	82.6	82.7	82.7	82.7	82.7
IV 2000	62.5	75.7	78.9	81.6	83.5	84.1	85.7	86.1	86.1	86.1	86.3	86.3	86.4	86.4	86.4	86.4
IV 1800	63.2	76.7	79.9	82.7	84.6	85.2	86.7	87.2	87.2	87.2	87.3	87.3	87.5	87.5	87.5	87.5
IV 1500	64.9	78.6	82.0	84.9	87.0	87.6	89.5	90.1	90.2	90.2	90.4	90.4	90.6	90.6	90.6	90.6
IV 1200	65.2	79.2	82.6	85.7	88.1	88.9	90.8	91.5	91.6	91.6	92.0	92.0	92.1	92.1	92.1	92.1
IV 1000	65.6	79.6	83.3	86.4	88.8	89.7	91.9	92.6	92.7	92.7	93.1	93.1	93.2	93.2	93.2	93.2
IV 900	65.8	79.8	83.5	86.6	89.0	90.0	92.1	92.8	93.0	93.0	93.3	93.3	93.4	93.4	93.4	93.4
IV 800	65.8	79.9	83.6	86.9	89.2	90.2	92.4	93.1	93.2	93.2	93.5	93.5	93.7	93.7	93.7	93.7
IV 700	65.8	80.2	84.0	87.2	89.7	90.7	93.0	93.7	93.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4
IV 600	65.8	80.2	84.0	87.5	90.1	91.2	93.4	94.1	94.5	94.5	94.9	94.9	95.0	95.0	95.0	95.0
IV 500	65.8	80.2	84.1	87.6	90.2	91.3	93.7	94.4	94.7	94.7	95.1	95.1	95.2	95.3	95.3	95.3
IV 400	65.8	80.2	84.1	87.7	90.4	91.6	94.3	95.2	95.6	95.7	96.1	96.2	96.3	96.4	96.4	96.4
IV 300	65.8	80.2	84.1	87.7	90.4	91.6	94.7	95.7	96.5	96.8	97.3	97.4	97.5	97.6	97.6	97.6
IV 200	65.8	80.2	84.1	87.7	90.4	91.6	94.9	95.9	96.8	97.1	97.7	97.8	98.1	98.2	98.2	98.6
IV 100	65.8	80.2	84.1	87.7	90.4	91.6	94.9	95.9	96.9	97.5	98.2	98.3	98.8	98.9	99.3	99.9
IV 0	65.8	80.2	84.1	87.7	90.4	91.6	94.9	95.9	96.9	97.5	98.2	98.3	98.8	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	27.2	36.3	39.1	40.5	41.6	42.4	42.9	43.4	43.5	43.5	43.8	44.0	44.1	44.1	44.3	44.3
IV 20000	29.9	40.0	42.8	44.8	45.6	46.7	47.2	47.8	47.9	47.9	48.3	48.4	48.5	48.5	48.7	48.7
IV 18000	30.2	40.4	43.1	44.8	46.0	47.1	47.6	48.1	48.3	48.3	48.6	48.7	48.9	48.9	49.1	49.1
IV 16000	30.5	40.6	43.4	45.0	46.2	47.3	47.8	48.4	48.5	48.5	48.9	49.0	49.1	49.1	49.3	49.3
IV 14000	30.8	41.0	43.8	45.5	46.7	47.8	48.4	49.0	49.1	49.1	49.5	49.6	49.7	49.7	49.9	49.9
IV 12000	32.0	42.7	45.5	47.4	49.0	50.1	50.7	51.3	51.4	51.4	51.7	51.9	52.0	52.0	52.2	52.2
IV 10000	33.7	45.3	48.3	50.3	52.2	53.3	53.9	54.6	54.7	54.7	55.1	55.2	55.3	55.3	55.6	55.6
IV 9000	33.8	45.5	48.6	50.7	52.6	53.6	54.4	55.2	55.3	55.3	55.7	55.8	55.9	55.9	56.2	56.2
IV 8000	35.4	47.7	51.0	53.0	55.0	56.2	56.9	57.8	57.9	57.9	58.3	58.4	58.5	58.5	58.8	58.8
IV 7000	35.6	48.4	51.9	53.9	55.8	57.0	57.8	58.8	58.9	58.9	59.3	59.4	59.5	59.5	59.7	59.7
IV 6000	36.4	50.1	53.5	55.6	57.6	58.8	59.6	60.6	60.7	60.7	61.1	61.2	61.3	61.3	61.5	61.5
IV 5000	38.1	53.3	57.1	59.1	61.5	62.8	63.9	65.1	65.6	65.7	66.1	66.2	66.4	66.5	66.8	66.8
IV 4500	39.3	56.3	60.6	62.8	65.5	66.8	67.9	69.1	69.5	69.7	70.0	70.1	70.4	70.5	70.7	70.7
IV 4000	40.4	57.7	62.2	64.6	67.6	68.9	70.0	71.3	71.8	71.9	72.3	72.4	72.6	72.8	73.0	73.0
IV 3500	41.1	58.5	63.3	65.7	68.7	70.1	71.2	72.6	73.1	73.2	73.6	73.7	74.0	74.1	74.3	74.3
IV 3000	42.7	60.9	66.2	68.8	71.8	73.2	74.3	75.7	76.2	76.5	76.8	76.9	77.2	77.3	77.5	77.5
IV 2500	44.7	65.2	70.8	73.8	76.9	78.6	79.8	81.2	81.7	82.0	82.3	82.4	82.7	82.8	83.0	83.0
IV 2000	46.2	68.5	74.2	77.4	80.6	82.3	83.6	85.1	85.5	85.8	86.1	86.3	86.5	86.6	86.9	86.9
IV 1800	46.4	68.8	74.6	77.8	81.1	82.8	84.1	85.5	86.0	86.3	86.6	86.7	87.0	87.1	87.3	87.3
IV 1500	47.4	70.6	76.3	79.8	83.2	85.2	86.6	88.2	88.6	88.9	89.2	89.4	89.6	89.7	90.0	90.0
IV 1200	47.7	70.8	76.6	80.3	83.9	85.9	87.5	89.5	90.2	90.4	90.8	90.9	91.2	91.3	91.5	91.5
IV 1000	47.8	71.0	76.8	80.6	84.2	86.3	87.8	89.8	90.7	90.9	91.3	91.4	91.6	91.8	92.0	92.0
IV 900	47.8	71.2	77.1	80.9	84.5	86.5	88.1	90.1	90.9	91.2	91.5	91.6	91.9	92.0	92.2	92.2
IV 800	47.8	71.7	77.5	81.4	85.2	87.2	88.8	90.8	91.8	92.0	92.4	92.5	92.7	92.8	93.1	93.1
IV 700	47.8	71.8	77.7	81.5	85.3	87.3	88.9	91.0	92.1	92.4	92.7	92.8	93.1	93.2	93.4	93.4
IV 600	47.8	71.8	77.7	81.7	85.5	87.4	89.2	91.4	92.6	92.8	93.2	93.3	93.5	93.7	93.9	93.9
IV 500	47.8	71.9	77.9	82.0	85.9	88.1	89.8	92.1	93.7	94.1	94.5	94.6	95.0	95.1	95.3	95.3
IV 400	47.8	72.0	78.0	82.1	86.0	88.2	90.0	92.2	93.8	94.5	94.9	95.1	95.5	95.6	95.8	95.8
IV 300	47.8	72.0	78.0	82.1	86.0	88.4	90.7	93.2	94.7	95.8	96.8	97.0	97.4	97.5	97.7	97.7
IV 200	47.8	72.0	78.0	82.1	86.0	88.4	90.7	93.2	94.7	95.9	97.3	97.5	97.8	98.1	98.4	98.7
IV 100	47.8	72.0	78.0	82.1	86.0	88.4	90.7	93.2	94.7	96.1	97.4	97.6	98.2	98.6	99.6	100.0
IV 0	47.8	72.0	78.0	82.1	86.0	88.4	90.7	93.2	94.7	96.1	97.4	97.6	98.2	98.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
OURS-151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.5	≥1	≥.7	≥.5	≥.3	≥.2	≥.1	≥0
NO CEILING	32.4	42.3	43.5	44.4	44.8	45.4	45.4	45.4	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 20000	35.1	45.8	47.1	48.3	48.6	49.2	49.2	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 18000	35.1	45.8	47.1	48.3	48.6	49.2	49.2	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 16000	35.4	46.0	47.3	48.5	48.9	49.5	49.5	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 14000	35.4	46.1	47.4	48.7	49.1	49.9	49.9	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 12000	37.0	47.9	49.3	50.7	51.5	52.3	52.3	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000	39.7	51.3	52.8	54.1	55.0	55.8	55.8	55.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 9000	40.1	52.0	53.6	55.1	56.2	57.0	57.0	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 8000	41.6	54.6	56.3	57.7	58.8	59.7	59.7	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 7000	41.8	55.1	56.8	58.2	59.3	60.2	60.2	60.2	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 6000	42.1	55.7	57.5	59.0	60.1	61.1	61.1	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 5000	43.7	58.5	60.9	63.0	64.4	65.5	65.5	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 4500	44.7	60.2	62.8	65.2	66.8	67.9	67.9	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 4000	45.9	61.8	64.5	67.0	68.7	69.8	69.8	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 3500	48.0	65.0	67.7	70.4	72.3	73.4	73.4	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3000	49.1	66.5	69.5	72.2	74.2	75.4	75.4	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500	52.2	71.1	74.4	77.4	79.5	80.6	80.6	80.6	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 2000	53.6	73.8	77.5	81.0	83.0	84.3	84.5	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 1800	54.1	74.6	78.3	81.8	83.9	85.3	85.4	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1500	55.7	77.5	81.5	85.1	87.1	88.6	88.9	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1200	56.4	78.7	83.0	87.1	89.2	90.8	91.0	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1000	56.4	79.0	83.4	87.9	90.2	92.0	92.2	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 900	56.4	79.0	83.5	88.2	90.6	92.5	92.7	92.7	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	56.4	79.1	83.8	88.6	91.2	93.2	93.4	93.4	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 700	56.5	79.6	84.2	89.2	91.9	93.9	94.3	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	56.5	79.6	84.3	89.7	92.6	94.7	95.2	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 500	56.5	79.6	84.3	89.7	92.7	95.2	95.7	96.1	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0
IV 400	56.5	79.6	84.3	89.7	92.8	95.5	95.9	96.4	97.1	97.8	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	56.5	79.6	84.5	89.8	93.1	95.8	96.4	97.0	97.7	98.4	98.8	98.8	98.8	98.8	98.8	98.8
IV 200	56.5	79.6	84.5	89.8	93.1	95.8	96.5	97.3	98.1	98.8	99.2	99.3	99.4	99.4	99.5	99.6
IV 100	56.5	79.6	84.5	89.8	93.1	95.8	96.5	97.3	98.1	98.8	99.2	99.3	99.4	99.6	99.9	100.0
IV 0	56.5	79.6	84.5	89.8	93.1	95.8	96.5	97.3	98.1	98.8	99.2	99.3	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS, NY

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING -FEET-	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	37.3	44.8	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 20000	41.3	50.7	51.3	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
IV 18000	41.6	50.9	51.5	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 16000	41.7	51.0	51.6	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 14000	42.4	51.9	52.4	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 12000	43.7	53.3	54.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 10000	45.6	55.9	56.8	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 9000	46.0	56.5	57.8	59.1	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 8000	48.0	59.3	60.7	62.0	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 7000	48.9	60.2	61.6	63.0	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 6000	49.9	61.8	63.2	64.6	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 5000	51.3	63.6	65.5	67.3	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4500	53.0	65.8	67.7	69.5	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4000	54.2	67.4	69.4	71.2	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 3500	56.2	70.5	72.5	74.3	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3000	58.8	73.7	76.1	78.0	78.4	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	61.5	77.4	79.8	82.0	82.8	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2000	63.8	80.6	83.0	85.5	86.5	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800	64.4	81.7	84.1	86.6	87.6	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1500	65.6	83.8	86.7	89.7	90.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200	65.7	84.5	87.7	90.8	91.9	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	65.8	84.8	88.4	91.8	93.0	94.1	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	65.8	84.9	88.5	91.9	93.1	94.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	65.8	85.4	89.1	92.6	93.8	95.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	65.8	85.4	89.4	93.0	94.1	95.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 600	65.8	85.7	90.1	93.7	94.9	96.2	97.3	97.7	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	65.8	85.8	90.2	93.8	95.0	96.3	97.4	98.0	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	65.8	85.8	90.2	93.8	95.0	96.3	97.5	98.1	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	65.8	85.8	90.2	93.9	95.1	96.7	97.8	98.4	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	65.8	85.8	90.2	93.9	95.1	96.7	97.8	98.4	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	65.8	85.8	90.2	93.9	95.1	96.7	97.8	98.4	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	65.8	85.8	90.2	93.9	95.1	96.7	97.8	98.4	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

AD-A116 089

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NIAGARA FALLS, NEW YORK. REVISED UNIFORM SUMMARY OF SURFACE WFA--ETC (11)  
APR 02

UNCLASSIFIED

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAS  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72287 NIAGARA FALLS NY

72-81

887

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

100-1078

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000	26.6	41.2	42.6	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
≥ 10000 ≥ 10000	42.2	49.6	50.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 14000 ≥ 12000	43.4	50.2	51.6	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000 ≥ 9000	46.6	54.6	56.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 8000 ≥ 7000	47.4	56.2	58.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 6000 ≥ 5000	50.4	59.2	62.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4000 ≥ 3000	52.4	61.2	67.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 2000 ≥ 1000	57.4	69.2	76.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 500 ≥ 200	67.4	78.2	85.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 100 ≥ 50 ≥ 0	87.4	93.2	95.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

FORM NO. 100-1078

# CEILING VERSUS VISIBILITY

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/AFAC

STATION NIAGARA FALLS NY YEAR 1968 MONTH 12

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (MILES)															
	0.10	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75
NO CEILING OR 1000	34.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0
1000 OR 1000	30.0	66.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0
2000 OR 1000	62.0	68.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0
3000 OR 1000	63.0	69.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0
4000 OR 1000	64.0	70.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0
5000 OR 1000	65.0	71.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0
6000 OR 1000	66.0	72.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0
7000 OR 1000	67.0	73.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0
8000 OR 1000	68.0	74.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
9000 OR 1000	69.0	75.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0
10000 OR 1000	70.0	76.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0
12000 OR 1000	71.0	77.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0
14000 OR 1000	72.0	78.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0
16000 OR 1000	73.0	79.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0
18000 OR 1000	74.0	80.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0
20000 OR 1000	75.0	81.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0
22000 OR 1000	76.0	82.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0
24000 OR 1000	77.0	83.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
26000 OR 1000	78.0	84.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0
28000 OR 1000	79.0	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0
30000 OR 1000	80.0	86.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0



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GROUP  
AND NUMBER

DATE

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GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

72-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1952-1958

CEILING FEET	VISIBILITY RANGE KILOMETERS															
	210	24	28	34	42	52	64	80	100	125	160	200	250	320	400	500
NO CEILING	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 2000	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 1800	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 1600	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 1400	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 1200	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 1000	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 800	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 600	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 400	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 200	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 100	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 50	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0
2 0	35.0	42.0	44.0	47.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	98.0	99.0



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725207 NIAGARA FALLS NY

72-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1982-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/4	2 1/2	2 3/4	2 3/8	2 7/8	2 7/4	2 7/2	2 7/1	2 7/0	2 6 3/4	2 6 3/8	2 6 3/4	2 6 3/2	2 6 3/1	2 6 3/0
NO CEILING	37.0	44.0	46.0	50.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2 2000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2 1800	51.0	50.0	51.0	54.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 1600	52.0	51.0	53.0	58.0	59.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2 1400	53.0	52.0	55.0	60.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
2 1200	54.0	53.0	57.0	62.0	64.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
2 1000	55.0	54.0	58.0	63.0	65.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
2 800	57.0	57.0	60.0	64.0	66.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
2 600	59.0	60.0	63.0	66.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2 400	60.0	60.0	63.0	68.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 200	62.0	62.0	67.0	71.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 000	64.0	70.0	73.0	80.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2 1000	65.0	70.0	75.0	80.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2 800	66.0	70.0	76.0	81.0	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2 600	67.0	71.0	77.0	82.0	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2 400	68.0	72.0	78.0	83.0	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2 200	69.0	73.0	79.0	84.0	86.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2 000	70.0	74.0	80.0	85.0	87.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2 1000	71.0	75.0	81.0	86.0	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2 800	72.0	76.0	82.0	87.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2 600	73.0	77.0	83.0	88.0	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2 400	74.0	78.0	84.0	89.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2 200	75.0	79.0	85.0	90.0	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
2 000	76.0	80.0	86.0	91.0	93.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2 1000	77.0	81.0	87.0	92.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2 800	78.0	82.0	88.0	93.0	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
2 600	79.0	83.0	89.0	94.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2 400	80.0	84.0	90.0	95.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2 200	81.0	85.0	91.0	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 000	82.0	86.0	92.0	97.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 1000	83.0	87.0	93.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 800	84.0	88.0	94.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 600	85.0	89.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 400	86.0	90.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 200	87.0	91.0	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 000	88.0	92.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 1000	89.0	93.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 800	90.0	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 600	91.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 400	92.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 200	93.0	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 000	94.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 1000	95.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 800	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 600	97.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 400	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 200	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 888

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

71-81

MM

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
1967

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/8	2 1/4	2 1/2	2 3/4	2 7/8	2 15/16	2 1/2	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/2	2 3/4	2 1/2
NO CEILING	41.2	51.7	53.0	54.8	55.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
2 20000	43.2	55.1	57.0	59.0	58.3	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2 10000	43.2	55.1	57.0	59.0	60.2	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2 10000	44.0	56.2	58.9	60.2	61.4	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
2 12000	45.3	56.3	61.3	63.0	64.3	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
2 10000	47.1	59.9	62.7	64.0	65.7	66.2	66.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
2 8000	47.1	59.9	62.7	64.0	65.7	66.2	66.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
2 6000	49.0	61.9	64.7	66.7	67.0	68.4	68.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
2 4000	49.0	61.9	64.7	66.7	67.0	68.4	68.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
2 4000	50.1	62.7	65.0	67.5	68.0	69.1	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2 3000	50.1	62.7	65.0	67.5	68.0	69.1	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2 3000	50.1	62.7	65.0	67.5	68.0	69.1	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2 3000	50.1	62.7	65.0	67.5	68.0	69.1	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2 2000	62.2	70.2	81.1	84.2	85.0	86.2	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2 2000	62.2	70.2	81.1	84.2	85.0	86.2	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2 2000	62.2	70.2	81.1	84.2	85.0	86.2	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2 2000	62.2	70.2	81.1	84.2	85.0	86.2	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2 1000	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 1000	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 1200	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 1200	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 800	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 800	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 700	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 600	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 500	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 400	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 300	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 200	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 100	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 0	65.1	84.0	88.0	92.2	94.1	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS: 310

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIABARA FALLS NY

72-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

411

CEILING FEET	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2
NO CEILING	36.0	43.0	46.3	48.9	50.4	51.0	51.3	51.9	51.9	51.6	51.6	51.6	51.7	51.7	51.7	51.7
Z 3000	37.1	48.0	50.0	53.3	55.0	54.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
Z 10000	39.3	48.2	51.0	53.9	55.0	56.0	56.0	57.0	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2
Z 16000	39.6	48.0	51.4	54.0	54.7	57.0	57.7	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.8
Z 14000	40.1	49.3	52.2	55.2	57.1	57.0	58.1	58.2	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6
Z 12000	41.0	50.9	54.0	57.3	59.3	60.0	60.7	60.8	60.8	60.8	60.7	60.7	60.7	60.7	60.8	60.8
Z 10000	43.0	53.1	56.3	59.0	61.0	62.0	63.0	63.2	63.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0
Z 9000	43.3	53.0	56.7	60.3	62.3	63.1	63.3	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
Z 8000	44.4	55.3	58.0	62.0	64.7	65.0	65.9	66.1	66.2	66.3	66.3	66.3	66.3	66.4	66.4	66.4
Z 7000	45.1	56.1	59.0	63.3	65.0	65.0	65.0	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
Z 6000	48.9	57.3	60.9	64.0	66.9	67.9	68.3	68.0	68.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0
Z 5000	48.3	60.0	63.7	68.7	71.1	72.7	72.0	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1
Z 4500	51.0	64.0	68.0	73.0	78.7	78.0	77.3	77.0	77.7	77.7	77.9	77.9	77.9	77.9	78.0	78.0
Z 4000	52.0	66.7	71.7	75.7	78.5	79.9	80.4	80.7	80.9	81.0	81.0	81.0	81.0	81.0	81.1	81.1
Z 3500	54.1	69.0	73.7	78.3	81.3	82.7	83.3	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.1	84.1
Z 3000	55.0	70.7	75.9	80.7	83.8	85.2	84.1	84.9	84.0	84.7	84.0	84.0	84.0	84.0	84.0	84.0
Z 2500	56.0	72.7	77.9	83.0	86.2	88.0	88.7	89.1	89.2	89.3	89.4	89.4	89.3	89.3	89.3	89.4
Z 2000	57.3	74.0	79.2	85.0	88.5	90.0	91.0	91.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2
Z 1800	57.0	74.4	80.2	85.0	89.1	91.2	92.1	92.0	92.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
Z 1500	58.4	75.0	81.4	87.1	90.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
Z 1200	58.3	75.0	81.7	87.0	91.0	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
Z 1000	58.7	76.2	82.2	88.1	92.1	93.0	93.0	93.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
Z 800	58.7	76.3	82.3	88.3	92.2	94.0	95.0	96.0	96.0	96.7	96.0	96.0	96.0	96.0	96.0	96.0
Z 700	58.0	76.0	82.0	88.0	92.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 600	58.0	76.0	82.0	88.0	92.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 500	58.0	76.0	82.0	88.0	93.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 400	58.0	76.0	82.0	88.0	93.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 300	58.0	76.0	82.0	88.0	93.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 200	58.0	76.0	82.0	88.0	93.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 100	58.0	76.0	82.0	88.0	93.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 0	58.0	76.0	82.0	88.0	93.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 411

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

72-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-1999

CEILING (FEET)	VISIBILITY ( statute miles )															
	≥10	≥6	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/4	≥1/8	≥1/4	≥1/8	≥1/4	≥1/8	≥1/4	≥1/8
NO CEILING ≥ 20000	45.4	53.0	54.5	57.7	58.9	68.0	68.9	61.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 10000 ≥ 14000	47.4	56.2	59.2	61.0	63.2	65.0	65.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 14000 ≥ 12000	48.4	56.4	59.2	62.1	63.0	65.2	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000 ≥ 9000	51.0	61.1	64.0	67.0	69.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000 ≥ 7000	52.4	62.4	64.0	69.1	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 6000 ≥ 5000	53.0	63.0	67.0	71.0	72.0	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4000 ≥ 4000	57.0	68.0	73.0	77.0	79.0	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000 ≥ 3000	60.0	72.0	78.0	82.0	84.0	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500 ≥ 2000	63.0	77.0	82.0	88.0	90.0	92.0	93.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800 ≥ 1500	63.0	78.0	84.0	89.0	91.0	93.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200 ≥ 1000	64.0	79.0	85.0	90.0	92.0	95.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900 ≥ 800	64.0	79.0	85.0	90.0	93.0	95.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700 ≥ 600	64.0	79.0	85.0	90.0	93.0	95.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500 ≥ 400	64.0	79.0	85.0	90.0	93.0	95.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300 ≥ 200	64.0	79.0	85.0	90.0	93.0	95.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 100 ≥ 0	64.0	79.0	85.0	90.0	93.0	95.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS: 1000

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

72-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

4100-0000

CEILING (FEET)	VISIBILITY ( statute miles )															
	210	24	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	37.5	46.2	49.7	52.7	53.0	54.0	56.0	56.2	56.4	56.0	57.0	57.0	57.1	57.2	57.2	57.2
≥ 2000	58.2	58.2	58.2	57.2	58.2	58.2	51.2	52.2	52.2	52.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1800	60.2	58.2	54.2	57.2	59.2	60.2	61.2	62.2	62.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 1600	58.2	58.2	52.2	57.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 1400	60.2	58.2	54.2	58.2	60.2	61.2	62.2	62.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 1200	62.2	54.2	58.2	62.2	64.2	65.2	67.2	67.2	67.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 1000	62.2	58.2	52.2	61.2	62.2	67.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 800	63.2	58.2	60.2	66.2	67.2	68.2	70.2	70.2	70.2	71.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 600	63.2	58.2	61.2	68.2	67.2	68.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 400	64.2	57.2	62.2	67.2	68.2	70.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 200	64.2	62.2	62.2	70.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 100	67.2	63.2	68.2	70.2	70.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 0	67.2	62.2	70.2	70.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 2000	58.2	66.2	72.2	70.2	68.2	63.2	62.2	62.2	62.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 1800	52.2	62.2	72.2	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 1600	53.2	72.2	72.2	63.2	62.2	67.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 1400	53.2	72.2	77.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 1200	53.2	71.2	72.2	62.2	67.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 1000	53.2	71.2	72.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 800	53.2	71.2	72.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 600	53.2	71.2	72.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 400	53.2	71.2	72.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 200	53.2	71.2	72.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 100	53.2	71.2	72.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 0	53.2	71.2	72.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/WAC

# CEILING VERSUS VISIBILITY

725207 NIAGARA FALLS, NY

72-01

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

11-19-68

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/4	2 1/2	2 3/4	2 3/8	2 3/4	2 1/2	2 1/4	2 1/2	2 1/4	2 1/2	2 3/4	2 3/8	2 3/4	2 1/2	2 1/4
NO CEILING 2 3000	27.0	27.0	40.0	40.0	40.0	50.0	52.0	53.0	53.0	53.0	54.0	54.0	54.0	54.0	54.0	54.0
2 1000	29.0	29.0	43.0	47.0	52.0	54.0	55.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 1000 2 1200	29.0	29.0	43.0	47.0	52.0	54.0	55.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 1000 2 900	28.0	41.0	45.0	52.0	54.0	59.0	60.0	61.0	62.0	63.0	63.0	63.0	63.0	64.0	64.0	64.0
2 800 2 700	28.0	42.0	47.0	54.0	59.0	62.0	63.0	64.0	64.0	64.0	67.0	67.0	67.0	67.0	67.0	67.0
2 600 2 500	28.0	43.0	48.0	57.0	61.0	64.0	65.0	67.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2 400 2 300	28.0	43.0	48.0	57.0	61.0	64.0	65.0	67.0	68.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0
2 300 2 200	28.0	43.0	48.0	57.0	61.0	64.0	65.0	67.0	68.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0
2 200 2 100	28.0	43.0	48.0	57.0	61.0	64.0	65.0	67.0	68.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0
2 100 2 0	28.0	43.0	48.0	57.0	61.0	64.0	65.0	67.0	68.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/WAS

# CLOUDS VERSUS VISIBILITY

725297 NIAGARA FALLS NY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CLOUDS (FEET)	VISIBILITY (MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CLOUDS	30.0	63.0	67.0	51.0	33.0	20.0	10.0	5.0	3.0	2.0	1.0	0.5	0.3	0.2	0.1	0.0
2 2000	32.0	66.0	70.0	54.0	36.0	22.0	11.0	6.0	4.0	3.0	2.0	1.0	0.5	0.3	0.2	0.1
2 1000	34.0	68.0	72.0	56.0	38.0	24.0	12.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.3	0.2
2 500	36.0	70.0	74.0	58.0	40.0	26.0	13.0	8.0	6.0	5.0	4.0	3.0	2.0	1.0	0.5	0.3
2 250	38.0	72.0	76.0	60.0	42.0	28.0	14.0	9.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.5
2 150	40.0	74.0	78.0	62.0	44.0	30.0	15.0	10.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0
2 100	42.0	76.0	80.0	64.0	46.0	32.0	16.0	11.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0
2 75	44.0	78.0	82.0	66.0	48.0	34.0	17.0	12.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0
2 50	46.0	80.0	84.0	68.0	50.0	36.0	18.0	13.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0
2 25	48.0	82.0	86.0	70.0	52.0	38.0	19.0	14.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0
2 15	50.0	84.0	88.0	72.0	54.0	40.0	20.0	15.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0
2 10	52.0	86.0	90.0	74.0	56.0	42.0	21.0	16.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0
2 5	54.0	88.0	92.0	76.0	58.0	44.0	22.0	17.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0
2 0	56.0	90.0	94.0	78.0	60.0	46.0	23.0	18.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0

USAF ETAC 255 0-10-6 (CL. 4) (REVISED 10-1-64)

GLOBAL CLIMATELOGY DESIGN  
 USAP/VAC  
 AIR WEATHER SERVICE/LRAC

# CLOUDS VERSUS VISIBILITY

720007 HONOLULU, HAWAII

1981

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM VISIBILITY OBSERVATIONS)

ASBESTOS

CLOUD TYPE	VISIBILITY RANGE (MILES)															
	210	20	25	24	23	22%	21	20%	21%	20	24	20	24	24%	24	20
NO CLOUDS	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
1000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
3000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
4000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
7000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
8000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
9000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
10000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
11000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
12000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
13000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
14000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
15000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
16000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
17000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
18000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
20000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
21000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
22000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
23000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
24000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
25000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
27000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
28000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
29000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
30000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0

END OF 25

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72507 NIAGARA FALLS NY

72-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1950-1959

CEILING (FEET)	VISIBILITY GROUPS (MILES)																
	2 1/2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	
NO CEILING	30.2	43.0	47.2	51.0	52.5	55.7	52.7	52.7	50.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
2 2000	30.2	32.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 1800	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 1600	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 1400	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 1200	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 1000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 800	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 600	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 400	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 200	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 1000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 800	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 600	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 400	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 200	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 1000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 800	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 600	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 400	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 200	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2 000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7252AT NIABARA FALLS NY

12-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

12821700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/4	2 1/2	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
NO CEILING	39.5	47.5	50.2	55.4	55.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
2 2000	43.5	50.5	54.5	60.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2 1800	45.5	53.5	57.5	63.5	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2 1600	47.5	55.5	59.5	65.5	66.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
2 1400	48.5	56.5	60.5	66.5	67.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
2 1200	49.5	57.5	61.5	67.5	68.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
2 1000	50.5	58.5	62.5	68.5	69.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
2 800	51.5	59.5	63.5	69.5	70.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
2 600	52.5	60.5	64.5	70.5	71.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
2 400	53.5	61.5	65.5	71.5	72.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2 200	54.5	62.5	66.5	72.5	73.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2 100	55.5	63.5	67.5	73.5	74.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
2 50	56.5	64.5	68.5	74.5	75.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
2 0	57.5	65.5	69.5	75.5	76.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72287 NIAGARA FALLS NY

72-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
 1971

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≤0
NO CEILING	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1800	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1600	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1400	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1200	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 800	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 600	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 400	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 200	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 100	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0

GLOBAL CLIMATOLOGY DIVISION  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/1002

# CEILING VERSUS VISIBILITY

72002 HARRIS FALLS, TX

7200

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

00000000

CEILING (FEET)	VISIBILITY RANGE (MILES)															
	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4
100 2 0000	57.0	66.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2 1000	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 1500	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 2000	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 2500	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 3000	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 3500	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 4000	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 4500	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 5000	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 5500	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 6000	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 6500	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 7000	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 7500	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 8000	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 8500	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 9000	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 9500	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2 10000	60.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0

GLOBAL CLIMATOLOGY BRANCH  
 USAPETAC  
 AIR WEATHER SERVICE/RMC

# CEILING VERSUS VISIBILITY

770000 HEADQUARTERS FALLS CH

770000

000000

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

000000

CEILING (FEET)	visibility (statute miles)																
	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	
NO CEILING	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 2000	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 1800	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 1600	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 1400	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 1200	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 1000	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 800	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 600	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 400	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 200	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 100	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2 0	37.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

PERCENTAGE FREQUENCY OF OCCURRENCE

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/NAAC

# CENING VERSUS VISIBILITY

72227 NIAGARA FALLS NY

72-01

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

48887-0000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥6	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅛	≥⅙	≥⅓	≥0
NO CEILING	29.0	30.0	32.0	36.0	39.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0
≥ 2000	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0
≥ 1800	33.0	34.0	35.0	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0
≥ 1600	34.0	35.0	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
≥ 1400	35.0	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0
≥ 1200	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0
≥ 1000	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0	50.0
≥ 800	38.0	39.0	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0	50.0	50.0
≥ 600	39.0	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0	50.0	50.0	50.0
≥ 400	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 200	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 100	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 50	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 25	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 15	45.0	46.0	47.0	48.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10	46.0	47.0	48.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 5	47.0	48.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 3	48.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 1	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

FORM 7-64 22 6-58000-1

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725297 NIAGARA FALLS NY

72-81

AM

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

PAGE 1000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/4	2 1/2	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
NO CEILING	17.2	27.2	32.2	35.9	38.6	41.7	43.8	44.2	44.7	45.4	45.6	45.6	45.6	45.6	45.6	45.6
2 2000	19.6	29.6	35.6	40.6	43.7	47.1	48.7	50.1	50.7	51.5	52.0	52.0	52.0	52.0	52.0	52.0
2 1800	19.6	29.6	35.6	40.6	43.7	47.1	48.7	50.1	50.7	51.5	52.0	52.0	52.0	52.0	52.0	52.0
2 1600	19.6	31.2	37.2	41.9	45.2	48.7	50.4	51.7	52.2	53.2	53.7	53.7	53.7	53.7	53.7	53.7
2 1400	21.6	30.2	36.2	40.8	43.8	46.8	48.5	50.2	50.9	51.8	52.3	52.3	52.3	52.3	52.3	52.3
2 1200	22.2	31.7	37.7	42.4	45.4	48.4	50.1	51.8	52.5	53.5	54.0	54.0	54.0	54.0	54.0	54.0
2 1000	22.6	32.4	38.4	43.1	46.1	49.1	50.8	52.5	53.2	54.2	54.7	54.7	54.7	54.7	54.7	54.7
2 800	23.2	33.1	39.1	43.8	46.8	49.8	51.5	53.2	53.9	54.9	55.4	55.4	55.4	55.4	55.4	55.4
2 600	23.6	33.8	39.8	44.5	47.5	50.5	52.2	53.9	54.6	55.6	56.1	56.1	56.1	56.1	56.1	56.1
2 400	24.2	34.5	40.5	45.2	48.2	51.2	52.9	54.6	55.3	56.3	56.8	56.8	56.8	56.8	56.8	56.8
2 200	24.6	35.2	41.2	45.9	48.9	51.9	53.6	55.3	56.0	57.0	57.5	57.5	57.5	57.5	57.5	57.5
2 0	25.2	35.9	41.9	46.6	49.6	52.6	54.3	56.0	56.7	57.7	58.2	58.2	58.2	58.2	58.2	58.2

TOTAL NUMBER OF OBSERVATIONS 524

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725207 NIAGARA FALLS NY

72-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY / STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	23.9	34.6	38.9	42.5	44.6	46.6	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.7
≥ 20000	27.0	38.7	43.1	46.7	49.5	52.2	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥ 18000	27.0	38.7	43.1	46.7	49.5	52.2	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥ 16000	27.0	38.7	43.1	46.7	49.5	52.2	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥ 14000	27.0	39.6	44.7	48.4	51.8	54.4	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2
≥ 12000	28.7	41.6	46.9	50.6	53.9	56.2	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0
≥ 10000	30.2	44.2	49.7	53.5	56.6	59.0	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6
≥ 9000	30.7	44.6	50.3	54.2	57.4	60.0	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0
≥ 8000	30.7	45.5	51.3	55.4	58.8	61.9	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	63.0
≥ 7000	30.9	46.5	52.5	57.0	60.7	63.7	65.0	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.9
≥ 6000	31.7	47.6	53.8	58.2	62.0	65.0	66.5	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.5
≥ 5000	32.5	48.9	55.3	61.5	64.8	68.0	69.7	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.9
≥ 4500	34.1	51.2	57.7	63.2	67.0	70.4	71.8	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.8
≥ 4000	34.8	52.1	58.8	64.8	68.8	71.8	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.2
≥ 3500	37.0	55.6	62.6	68.6	72.8	76.1	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.5
≥ 3000	38.2	57.1	64.4	70.7	74.9	78.2	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.6
≥ 2500	38.8	58.6	66.1	73.6	78.0	82.3	82.9	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6
≥ 2000	40.7	60.6	68.2	76.1	81.6	86.9	87.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1800	41.2	61.6	69.7	77.3	82.8	87.7	88.4	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4
≥ 1500	41.8	62.6	71.8	79.4	85.0	91.2	92.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.1
≥ 1200	42.2	63.6	72.8	81.6	87.3	93.8	94.6	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.9
≥ 1000	42.5	63.6	73.1	81.6	88.7	94.7	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.8
≥ 900	42.5	63.6	73.1	81.6	88.7	94.7	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.8
≥ 800	42.5	64.4	74.0	83.6	89.7	96.1	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 700	42.5	64.4	74.0	83.6	89.7	96.1	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 600	42.5	64.4	74.0	83.6	89.7	96.1	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 500	42.5	64.4	74.0	83.6	89.7	96.1	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 400	42.5	64.4	74.0	83.6	89.7	96.1	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 300	42.5	64.4	74.0	83.6	89.7	96.1	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 200	42.5	64.4	74.0	83.6	89.7	96.1	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 100	42.5	64.4	74.0	83.6	89.7	96.1	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 0	42.5	64.4	74.0	83.6	89.7	96.1	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

AME

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1800

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 20	20	25	24	23	22.5	22	21.5	21	21	21	20.5	20	20	20	20
NO CEILING	25.9	35.0	38.7	41.2	43.2	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 7000	30.1	41.0	44.3	47.1	49.5	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IN 18000	30.3	41.2	44.6	47.3	49.7	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IN 16000	30.5	41.3	44.7	47.4	49.9	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IN 14000	31.4	42.5	46.0	48.7	51.3	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IN 12000	32.5	44.4	48.4	51.4	53.9	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IN 10000	34.9	47.0	52.4	55.7	58.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IN 9000	35.2	48.4	53.0	56.4	59.5	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IN 8000	36.7	50.4	55.2	58.8	61.8	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IN 7000	37.4	51.5	56.4	59.9	63.1	65.0	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IN 6000	37.6	51.7	56.6	60.2	63.6	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IN 5000	38.8	53.9	58.9	63.0	66.4	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IN 4500	39.5	54.8	59.9	64.3	68.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IN 4000	40.7	56.6	61.8	66.5	70.7	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IN 3500	42.7	59.1	64.4	69.7	73.8	76.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 3000	45.4	63.8	69.4	75.0	79.7	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IN 2500	46.4	65.9	72.3	78.0	82.9	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IN 2000	48.4	68.7	75.6	82.0	87.3	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IN 1800	48.7	69.1	76.0	82.7	88.1	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IN 1500	49.4	70.3	77.3	84.3	90.2	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IN 1200	49.9	70.8	78.0	85.9	92.0	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 1000	50.2	71.3	79.1	86.5	92.8	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IN 900	50.3	71.4	79.2	86.8	92.8	96.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IN 800	50.3	71.7	79.5	86.7	92.8	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 700	50.3	71.7	79.6	87.0	93.1	96.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 600	50.3	71.8	79.8	87.3	93.7	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 500	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 400	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 300	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 200	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 100	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 0	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725207 NIABARA FALLS, NY

73-01

AVE

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥¾	≥½	≥½	≥10	≥½	≥0
NO CEILING	32.3	39.4	42.4	44.4	46.7	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	37.4	46.8	49.9	52.4	53.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 18000	37.4	46.8	49.9	52.4	53.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 16000	37.4	46.8	49.9	52.4	53.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 14000	38.2	47.3	51.0	53.9	56.2	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	38.2	47.3	51.0	53.9	56.2	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	41.4	52.4	57.1	60.7	63.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 9000	41.4	52.4	57.1	60.7	63.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 8000	43.7	56.0	60.9	64.9	68.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	43.7	56.0	60.9	64.9	68.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	45.0	57.8	62.4	66.2	69.4	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	45.0	57.8	62.4	66.2	69.4	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4500	47.4	62.2	68.2	73.0	76.4	78.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 4000	47.4	62.2	68.2	73.0	76.4	78.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3500	50.2	66.7	72.4	78.9	83.0	85.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	50.2	66.7	72.4	78.9	83.0	85.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	53.4	71.2	77.7	84.2	88.9	91.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	53.4	71.2	77.7	84.2	88.9	91.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	54.4	72.9	79.4	86.4	91.6	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	54.4	72.9	79.4	86.4	91.6	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	54.4	73.4	80.4	87.4	93.4	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	54.4	73.4	80.4	87.4	93.4	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	54.4	73.4	81.2	88.4	94.4	97.3	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	54.4	73.4	81.2	88.4	94.4	97.3	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	54.4	73.4	81.2	89.0	94.4	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	54.4	73.4	81.2	89.0	94.4	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	54.4	73.4	81.2	89.0	94.4	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	54.4	73.4	81.2	89.0	94.4	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	54.4	73.4	81.2	89.0	94.4	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	54.4	73.4	81.2	89.0	94.4	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	54.4	73.4	81.2	89.0	94.4	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	54.4	73.4	81.2	89.0	94.4	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 117

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1980-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2
NO CEILING	29.9	39.2	42.7	45.0	49.0	51.1	51.9	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	36.0	47.6	51.9	55.8	60.2	62.0	62.9	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9
N 18000	36.0	48.1	52.4	56.0	60.6	62.4	63.4	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
N 14000	36.0	48.1	52.5	56.1	60.8	62.7	63.8	64.2	64.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1
N 14000	37.7	50.4	55.1	58.9	63.8	65.7	66.6	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
N 12000	37.9	52.0	57.7	61.8	66.8	68.9	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
N 10000	42.7	57.2	62.7	66.4	71.9	73.9	74.9	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4
N 9000	43.7	58.8	64.0	67.8	73.3	75.9	76.3	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
N 8000	43.9	59.0	63.4	67.4	73.1	75.7	76.1	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
N 7000	44.2	59.3	63.8	67.8	73.6	76.2	76.6	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
N 6000	44.4	60.0	64.1	70.2	76.4	78.8	79.2	79.6	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0
N 5000	46.8	63.4	67.3	73.3	79.5	81.7	82.9	83.3	83.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9
N 4500	47.0	65.7	71.9	76.1	82.4	84.0	84.0	84.4	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8
N 4000	49.4	67.8	73.7	77.9	84.6	87.3	88.5	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
N 3500	50.0	68.1	74.8	78.9	86.0	88.0	90.0	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
N 3000	51.2	69.8	76.1	80.4	87.7	90.8	92.0	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
N 2500	51.3	70.0	76.8	81.0	89.0	92.3	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
N 2000	51.6	70.7	77.8	82.8	90.6	93.7	95.2	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
N 1800	51.8	71.2	78.0	82.9	90.9	94.0	95.6	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
N 1500	51.9	71.4	78.4	83.7	91.9	95.1	96.7	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
N 1200	52.0	71.6	79.1	84.2	92.5	95.7	97.2	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
N 1000	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
N 900	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
N 800	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
N 700	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
N 600	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
N 500	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
N 400	52.0	72.1	79.5	85.2	93.8	97.0	98.4	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
N 300	52.0	72.1	79.5	85.2	93.8	97.0	98.4	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
N 200	52.0	72.1	79.5	85.2	93.8	97.0	98.4	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
N 100	52.0	72.1	79.5	85.2	93.8	97.0	98.4	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
N 0	52.0	72.1	79.5	85.2	93.8	97.0	98.4	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 824

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72527 NEARADA FALLS, NY

72-00

48

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100000

CEILING (FEET)	VISIBILITY ( statute miles )															
	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2
NO CEILING Z 20000	36.0	36.7	37.4	38.1	38.8	39.5	40.2	40.9	41.6	42.3	43.0	43.7	44.4	45.1	45.8	46.5
Z 18000 Z 14000	39.2	39.9	40.6	41.3	42.0	42.7	43.4	44.1	44.8	45.5	46.2	46.9	47.6	48.3	49.0	49.7
Z 16000 Z 12000	39.7	40.4	41.1	41.8	42.5	43.2	43.9	44.6	45.3	46.0	46.7	47.4	48.1	48.8	49.5	50.2
Z 14000 Z 10000	43.6	44.3	45.0	45.7	46.4	47.1	47.8	48.5	49.2	49.9	50.6	51.3	52.0	52.7	53.4	54.1
Z 12000 Z 8000	45.6	46.3	47.0	47.7	48.4	49.1	49.8	50.5	51.2	51.9	52.6	53.3	54.0	54.7	55.4	56.1
Z 10000 Z 6000	46.6	47.3	48.0	48.7	49.4	50.1	50.8	51.5	52.2	52.9	53.6	54.3	55.0	55.7	56.4	57.1
Z 8000 Z 4000	50.6	51.3	52.0	52.7	53.4	54.1	54.8	55.5	56.2	56.9	57.6	58.3	59.0	59.7	60.4	61.1
Z 6000 Z 2000	52.6	53.3	54.0	54.7	55.4	56.1	56.8	57.5	58.2	58.9	59.6	60.3	61.0	61.7	62.4	63.1
Z 4000 Z 0	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1
Z 3000 Z 2000	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1
Z 2000 Z 1500	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1
Z 1800 Z 1200	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1
Z 1600 Z 1000	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1
Z 1400 Z 800	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1
Z 1200 Z 600	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1
Z 1000 Z 400	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1
Z 800 Z 200	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1
Z 600 Z 0	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1

TOTAL NUMBER OF OBSERVATIONS: 2100000

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72527 NIAGARA FALLS NY

73-81

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0	
NO CEILING	29.0	38.4	41.9	44.4	46.7	48.5	49.2	49.6	49.7	49.8	49.9	49.9	49.9	49.9	49.9	50.0
≥ 20000	32.6	43.6	47.5	50.5	53.7	56.8	58.9	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
W 18000	32.7	43.7	47.6	50.6	53.8	56.9	59.0	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
W 16000	32.8	43.8	47.7	50.7	53.9	57.0	59.1	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
W 14000	33.3	44.9	48.9	52.0	54.9	57.2	58.0	58.4	58.5	58.7	58.8	58.8	58.8	58.8	58.9	58.9
W 12000	34.4	46.8	50.8	54.1	57.2	59.9	60.9	60.9	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2
W 10000	36.4	49.4	54.2	57.8	61.1	63.6	64.7	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
W 9000	37.3	50.6	55.3	59.0	62.0	64.8	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
W 8000	38.1	52.2	57.1	60.9	64.0	67.2	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
W 7000	38.9	52.8	57.7	61.8	65.3	68.1	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
W 6000	38.9	53.4	58.4	62.8	66.3	69.0	70.2	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
W 5000	40.6	56.2	61.3	65.7	69.7	72.9	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
W 4500	41.6	58.6	63.6	68.1	72.6	75.1	76.6	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
W 4000	43.1	59.9	65.7	70.4	74.7	77.7	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
W 3500	44.3	61.9	67.6	72.8	77.3	80.5	82.1	82.7	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2
W 3000	46.2	64.4	70.6	76.1	80.9	84.3	85.8	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
W 2500	46.6	65.8	72.0	77.6	82.6	86.3	87.9	88.6	88.9	89.1	89.3	89.3	89.3	89.3	89.3	89.3
W 2000	47.6	67.1	73.3	79.0	85.3	89.1	90.9	91.6	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4
W 1800	47.6	67.4	74.3	80.3	86.0	89.6	91.6	92.3	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9
W 1500	48.2	68.1	75.3	81.6	87.5	91.6	93.6	94.3	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8
W 1200	48.4	68.6	76.1	82.6	88.4	92.5	94.7	95.3	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9
W 1000	48.6	69.1	76.7	83.2	89.2	93.5	95.8	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
W 900	48.6	69.1	76.8	83.4	89.3	93.5	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
W 800	48.7	69.2	76.9	83.6	89.5	93.6	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
W 700	48.7	69.3	77.0	83.8	89.6	93.7	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
W 600	48.7	69.3	77.1	83.8	89.6	93.7	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
W 500	48.7	69.3	77.2	84.0	89.6	93.7	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
W 400	48.7	69.3	77.3	84.1	89.6	93.7	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
W 300	48.7	69.3	77.3	84.1	89.6	93.7	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
W 200	48.7	69.3	77.3	84.1	89.6	93.7	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
W 100	48.7	69.3	77.3	84.1	89.6	93.7	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
0	48.7	69.3	77.3	84.1	89.6	93.7	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS: 4222

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725207 NIAGARA FALLS NY

72-01

55

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

800-1980

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/4	2 1/2	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
NO CEILING	39.1	45.9	47.4	48.9	49.8	49.9	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
Z 20000	52.1	52.1	51.4	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
Z 18000	42.1	50.1	51.4	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
Z 16000	42.1	50.1	51.4	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
Z 14000	42.1	50.1	51.4	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
Z 12000	42.1	50.1	51.4	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
Z 10000	45.4	50.1	51.4	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
Z 9000	45.4	50.1	51.4	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
Z 8000	47.2	50.1	51.4	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
Z 7000	47.2	50.1	51.4	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
Z 6000	47.4	50.1	51.4	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
Z 5000	50.1	50.1	51.4	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
Z 4000	53.1	53.1	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
Z 3000	57.4	57.4	58.8	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
Z 2000	62.1	62.1	63.5	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
Z 1800	64.1	64.1	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
Z 1600	66.2	66.2	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
Z 1400	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 1200	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 1000	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 800	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 700	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 600	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 500	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 400	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 300	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 200	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 100	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
Z 0	68.3	68.3	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725207 NIAGARA FALLS NY

72-01

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
 111

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	36.3	44.3	45.9	46.8	47.3	47.5	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	38.5	47.5	49.3	50.5	51.2	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 18000	38.5	47.5	49.3	50.5	51.2	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	38.5	47.5	49.3	50.5	51.2	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 14000	38.5	47.7	49.4	50.6	51.4	51.6	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 12000	40.0	49.1	50.9	52.1	52.9	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000	41.2	51.2	52.8	54.4	55.2	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000	42.7	52.5	54.7	56.2	57.0	57.2	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	43.2	53.4	55.7	57.4	58.2	58.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 7000	43.5	53.8	56.0	57.8	58.7	59.0	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 6000	44.7	55.2	57.4	59.1	59.9	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 5000	47.5	58.5	61.0	62.6	63.4	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	49.9	62.7	65.7	67.8	68.6	69.1	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000	51.0	64.8	67.8	70.2	71.2	71.6	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	52.0	67.0	71.1	73.1	74.0	74.5	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3000	53.0	72.1	75.7	78.5	80.5	81.0	81.7	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	54.9	74.2	78.0	81.4	82.8	83.5	84.1	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000	56.5	77.1	81.0	84.6	87.0	87.5	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	59.1	77.8	82.1	84.8	87.9	88.4	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1500	60.1	79.4	83.8	86.5	89.6	90.1	91.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	61.4	80.6	85.0	87.4	91.4	92.0	93.0	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	61.5	80.7	85.1	87.5	91.5	92.1	93.1	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900	61.7	81.0	85.3	87.6	91.6	92.2	93.2	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800	62.1	82.0	87.0	91.1	93.1	93.6	94.6	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	62.2	82.1	87.1	91.2	93.2	93.7	94.7	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600	62.3	82.2	87.2	91.3	93.3	93.8	94.8	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	62.4	82.3	87.3	91.4	93.4	93.9	94.9	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 400	62.5	82.4	87.4	91.5	93.5	94.0	95.0	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300	62.6	82.5	87.5	91.6	93.6	94.1	95.1	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 200	62.7	82.6	87.6	91.7	93.7	94.2	95.2	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 100	62.8	82.7	87.7	91.8	93.8	94.3	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	62.9	82.8	87.8	91.9	93.9	94.4	95.4	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 813

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIABARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0489-0000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING	25.4	32.7	34.3	34.8	39.1	41.8	42.8	42.3	42.9	42.7	42.7	42.7	42.8	42.8	42.8	43.8
≥ 20000	27.8	35.7	36.9	37.8	42.7	45.4	45.7	46.8	46.8	46.9	47.2	47.2	47.2	47.2	47.2	47.2
≥ 18000	27.7	35.4	37.0	39.4	42.8	45.4	45.9	46.7	46.8	47.2	47.2	47.2	47.2	47.4	47.4	47.9
≥ 16000	27.7	35.4	37.0	39.4	42.8	45.4	45.9	46.7	46.8	47.2	47.2	47.2	47.2	47.4	47.4	47.9
≥ 14000	27.8	36.0	37.8	40.4	43.8	46.2	47.8	47.8	47.9	48.3	48.3	48.4	48.8	48.8	48.8	48.8
≥ 12000	28.7	36.8	38.7	41.7	45.2	47.7	48.7	48.8	48.9	49.3	49.3	49.4	49.8	49.8	49.8	49.8
≥ 10000	29.8	38.4	40.4	43.4	46.8	49.1	50.8	50.9	51.8	51.4	51.6	51.7	51.9	51.9	51.9	52.8
≥ 9000	30.7	38.8	40.7	43.7	47.2	49.7	51.4	51.9	52.7	52.8	53.7	53.8	53.7	53.7	53.7	53.8
≥ 8000	30.8	40.8	42.8	46.3	49.7	52.3	53.3	54.8	54.2	54.4	54.7	54.8	54.9	54.9	54.9	55.3
≥ 7000	31.8	41.7	43.7	47.7	50.7	53.7	54.7	56.7	56.7	56.8	56.7	56.8	56.8	56.8	56.8	56.7
≥ 6000	31.7	42.8	44.8	49.8	52.8	55.3	56.3	57.8	57.3	57.7	57.9	58.8	58.1	58.1	58.1	58.3
≥ 5000	32.7	43.7	45.7	50.7	53.7	56.7	57.7	59.7	59.7	61.8	61.8	61.7	61.8	61.8	61.8	62.8
≥ 4500	33.8	44.8	46.8	51.8	54.8	57.8	58.8	60.8	60.8	62.8	62.8	62.9	63.8	63.8	63.8	64.8
≥ 4000	37.8	48.8	51.8	55.8	58.8	61.8	62.8	64.8	64.8	66.8	66.8	67.8	68.8	68.8	68.8	69.8
≥ 3500	38.8	53.8	56.8	62.8	67.8	70.8	72.8	73.8	73.8	74.8	74.8	74.8	74.7	74.7	74.7	74.8
≥ 3000	40.8	54.8	57.8	63.8	68.8	71.8	73.8	74.8	74.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2500	41.8	59.8	62.8	68.8	74.8	77.8	79.8	80.8	81.8	81.8	82.1	82.8	82.3	82.3	82.3	82.8
≥ 2000	42.7	60.8	63.8	71.8	76.8	80.8	82.7	82.8	82.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1800	42.8	61.8	64.7	71.8	76.8	80.8	83.8	84.3	84.4	84.4	85.8	85.8	85.9	85.9	85.9	86.8
≥ 1500	43.8	62.7	65.7	73.8	78.8	82.7	85.8	87.3	87.3	88.8	88.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	44.8	64.8	67.7	75.8	80.8	84.8	87.8	89.3	89.4	90.8	90.8	91.8	91.8	91.8	91.8	91.8
≥ 1000	45.8	64.8	68.7	76.8	81.8	85.8	88.8	90.3	90.4	91.8	91.8	92.8	92.8	92.8	92.8	92.8
≥ 900	46.8	64.8	68.8	76.8	81.8	85.8	88.8	90.3	90.4	91.8	91.8	92.8	92.8	92.8	92.8	92.8
≥ 800	46.8	64.8	68.8	76.8	81.8	85.8	88.8	90.3	90.4	91.8	91.8	92.8	92.8	92.8	92.8	92.8
≥ 700	46.8	65.8	69.3	76.8	82.8	87.8	90.3	92.8	92.8	93.8	93.8	94.8	94.8	94.8	94.8	94.8
≥ 600	46.7	65.8	69.3	77.8	82.8	87.8	90.3	92.8	92.8	93.8	93.8	94.8	94.8	94.8	94.8	94.8
≥ 500	46.7	65.8	70.3	77.8	82.8	87.8	90.3	92.8	92.8	93.8	93.8	94.8	94.8	94.8	94.8	94.8
≥ 400	46.7	65.8	70.3	77.8	82.8	87.8	90.3	92.8	92.8	93.8	93.8	94.8	94.8	94.8	94.8	94.8
≥ 300	46.7	65.8	70.3	77.8	82.8	87.8	90.3	92.8	92.8	93.8	93.8	94.8	94.8	94.8	94.8	94.8
≥ 200	46.7	65.8	70.3	77.8	82.8	87.8	90.3	92.8	92.8	93.8	93.8	94.8	94.8	94.8	94.8	94.8
≥ 100	46.7	65.8	70.3	77.8	82.8	87.8	90.3	92.8	92.8	93.8	93.8	94.8	94.8	94.8	94.8	94.8
≥ 0	46.7	65.8	70.3	77.8	82.8	87.8	90.3	92.8	92.8	93.8	93.8	94.8	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS: 628

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/WAC

# CEILING VERSUS VISIBILITY

72287 NIABARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	27.9	23.1	35.7	37.4	39.4	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 2000	30.4	30.8	39.4	41.9	44.2	45.1	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 1800	30.4	30.8	39.4	42.2	44.2	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 1600	32.0	38.4	41.0	43.8	46.0	47.1	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 1400	32.7	39.4	42.2	44.2	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 1200	34.7	42.0	45.0	48.2	50.0	52.1	52.1	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 1000	35.4	43.0	46.0	49.4	51.0	53.7	53.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 800	35.0	44.4	47.7	50.0	52.0	54.0	54.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 700	36.4	45.7	48.0	51.0	53.0	55.1	55.1	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 600	38.1	47.0	51.0	54.0	56.2	57.1	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 500	39.4	48.2	52.0	55.0	57.1	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 400	41.7	50.7	54.7	59.0	62.2	64.1	64.1	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 300	42.7	52.1	56.1	61.0	63.0	65.1	65.1	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 250	43.0	54.0	60.0	63.1	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 200	44.0	55.0	62.1	64.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1800	48.0	63.7	68.0	72.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1600	48.0	64.1	71.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1400	48.7	67.0	72.0	76.0	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1200	52.0	67.1	74.0	79.0	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1000	53.0	71.0	76.0	82.0	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	53.0	71.0	77.0	82.0	87.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	53.0	72.0	78.0	84.0	88.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 400	53.0	72.0	79.0	84.0	89.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 200	53.0	72.0	79.0	84.0	89.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 100	53.0	72.0	79.0	84.0	89.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 0	53.0	72.0	79.0	84.0	89.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0

TOTAL NUMBER OF OBSERVATIONS: 525

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72528Y NIABARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥3	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥½	≥¼	≥¼	≥1/10	≥½	≥0
NO CEILING	29.4	30.9	37.0	37.8	37.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 20000	31.6	30.1	31.7	32.7	32.6	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 18000	31.6	30.4	31.2	32.0	32.0	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 16000	31.6	30.4	31.0	32.0	31.9	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 14000	32.0	39.8	42.0	43.0	44.2	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 12000	33.1	41.1	44.0	45.7	45.0	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 10000	35.3	44.9	47.0	49.1	49.0	50.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	35.0	45.0	48.0	50.0	50.0	50.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 8000	36.0	47.0	49.0	51.2	51.7	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 7000	37.0	48.0	51.0	52.1	52.0	53.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 6000	39.0	49.0	52.1	54.2	54.0	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	41.0	52.1	55.2	57.0	57.0	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 4500	42.1	54.0	57.1	59.0	60.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000	43.0	57.1	60.0	61.0	61.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3500	47.0	60.2	63.0	64.0	67.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3000	52.0	66.0	69.0	73.0	74.0	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	57.0	72.0	76.0	80.0	81.0	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	58.0	74.0	78.0	82.0	83.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1800	59.0	75.0	79.0	83.0	85.0	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	60.0	77.0	81.0	84.0	86.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	61.0	79.0	84.0	86.0	90.0	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	61.0	80.0	85.0	87.0	91.0	93.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	61.0	80.0	85.0	89.0	92.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	61.0	80.0	85.0	90.0	92.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	61.0	80.0	85.0	90.0	93.0	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	61.0	80.0	85.0	90.0	93.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	61.0	80.0	85.0	91.0	94.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	61.0	80.0	85.0	91.0	94.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	61.0	80.0	85.0	91.0	94.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	61.0	80.0	85.0	91.0	94.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	61.0	80.0	85.0	91.0	94.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	61.0	80.0	85.0	91.0	94.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS: 243

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	210	24	25	24	23	22 1/2	22	21 1/2	21 1/4	21	20 1/2	20	19 1/2	19	18 1/2	18
NO CEILING	31.9	36.9	38.4	39.4	39.6	41.1	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	36.7	42.7	44.1	45.7	46.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 18000	37.3	43.1	44.9	46.7	47.7	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 16000	37.5	43.5	45.3	47.1	48.1	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000	39.2	45.1	47.2	49.0	50.0	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 12000	40.2	46.0	48.0	50.0	51.0	52.7	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 10000	42.7	50.1	52.2	54.2	55.4	57.1	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	43.7	50.4	52.7	54.8	55.9	57.6	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	44.7	52.0	54.0	57.0	58.1	60.0	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 7000	45.7	53.6	55.7	58.8	59.9	61.8	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	46.7	54.7	57.0	59.9	60.7	62.6	62.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 5000	49.1	58.1	60.4	63.2	63.9	65.7	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4500	52.2	62.0	65.2	67.9	69.2	71.7	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4000	54.4	65.1	67.7	71.0	72.0	74.6	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3500	57.2	68.0	71.5	75.4	77.0	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	59.7	71.7	75.2	79.0	81.5	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	63.2	75.0	79.4	84.0	85.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	64.4	78.0	82.8	87.2	89.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	64.4	78.0	83.1	87.0	89.0	92.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1600	65.0	80.0	85.1	90.0	92.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1400	65.0	81.0	85.4	90.0	92.0	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	65.0	81.0	85.4	90.0	92.0	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	65.0	81.0	85.7	90.7	92.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	65.0	81.0	86.0	91.1	93.1	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	65.0	81.0	86.0	91.1	93.1	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	65.0	81.0	86.0	91.1	93.1	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500	65.0	81.0	86.7	91.7	93.8	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	65.0	81.0	86.7	91.7	93.8	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	65.0	81.0	86.7	91.7	93.8	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	65.0	81.0	86.7	91.7	93.8	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	65.0	81.0	86.7	91.7	93.8	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	65.0	81.0	86.7	91.7	93.8	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7252A7 NIABARA FALLS NY

73-81

66

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1959-1960

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	210	20	25	24	23	22½	22	21½	21¼	21	20¾	20½	20¼	20	19½	19
NO CEILING	38.2	43.2	44.0	44.7	45.0	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0
Z 20000	42.0	48.1	49.3	50.7	52.0	53.8	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2
Z 18000	42.0	48.1	49.3	50.7	52.0	53.8	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2
Z 16000	43.2	49.6	51.0	52.5	54.0	55.7	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
Z 14000	46.8	53.8	55.1	56.7	58.0	59.9	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
Z 12000	47.9	55.1	56.0	57.8	59.5	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
Z 10000	48.8	56.7	58.4	60.2	62.3	63.8	63.7	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1
Z 8000	49.6	58.0	60.0	62.2	64.3	65.8	66.0	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6
Z 7000	51.7	59.8	61.9	64.1	66.3	67.8	68.0	68.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6
Z 6000	54.6	64.2	66.3	68.6	71.4	73.0	73.3	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9
Z 5000	56.5	66.8	69.8	72.0	74.7	76.5	76.7	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2
N W 4500	59.1	69.9	72.9	75.3	78.3	79.8	80.2	80.8	80.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7
N W 3000	61.5	74.8	77.0	79.8	83.2	84.9	85.3	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
N W 2500	63.7	77.2	79.9	83.0	86.3	88.0	88.4	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9
N W 2000	64.8	78.8	82.0	85.3	89.1	91.1	91.6	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1
N W 1800	65.1	79.3	82.9	85.8	89.8	91.6	92.1	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
N W 1500	65.4	80.0	83.0	87.1	91.4	93.7	93.7	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
N W 1200	66.2	81.2	84.8	88.8	92.8	94.3	94.8	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
N W 1000	66.7	81.7	84.9	88.8	92.7	94.6	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
N W 900	66.2	81.4	85.1	88.8	92.8	94.7	95.2	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
N W 800	66.7	81.8	85.2	88.8	93.0	94.8	95.2	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9
N W 700	66.2	81.6	85.3	89.0	93.1	95.2	96.0	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
N W 600	66.7	81.8	85.4	89.1	93.3	95.4	96.2	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
N W 500	66.2	81.6	85.6	89.3	94.0	96.2	97.7	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
N W 400	66.7	81.8	85.7	89.4	94.1	96.2	98.2	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
N W 300	66.2	81.6	85.7	89.4	94.1	96.7	98.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N W 200	66.7	81.8	85.7	89.4	94.1	96.7	98.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N W 100	66.2	81.6	85.7	89.4	94.1	96.7	98.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N W 0	66.7	81.8	85.7	89.4	94.1	96.7	98.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722207 NIAGARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4
NO CEILING	41.5	47.2	48.1	49.0	49.8	50.0	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.1
Z 20000	49.1	51.7	53.1	54.2	54.9	55.5	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
Z 18000	45.2	51.0	53.2	54.3	55.1	55.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
Z 16000	45.2	52.0	53.3	54.4	55.2	55.7	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.0	57.2
Z 14000	45.0	52.3	53.7	54.8	55.6	56.0	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.8
Z 12000	44.4	51.3	52.7	53.8	54.7	55.2	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.8
Z 10000	48.4	55.0	57.3	58.4	59.3	59.8	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.2	61.2	61.4
Z 9000	49.3	57.0	59.5	59.8	60.6	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6	62.6	62.7
Z 8000	49.9	58.1	59.6	60.9	61.7	62.2	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.8
Z 7000	51.0	59.3	60.7	62.7	63.2	63.6	64.8	64.8	64.8	64.8	64.8	64.8	65.1	65.1	65.1	65.2
Z 6000	51.2	59.4	61.2	62.7	63.6	64.1	65.3	65.3	65.3	65.3	65.3	65.3	65.6	65.6	65.6	65.7
Z 5000	53.6	62.3	64.7	65.8	66.7	67.3	68.5	68.5	68.5	68.5	68.5	68.5	68.9	68.9	68.9	69.0
Z 4500	58.9	66.8	68.8	70.4	71.6	72.3	73.7	73.7	73.7	73.7	73.7	73.7	74.1	74.1	74.1	74.2
Z 4000	57.0	68.0	70.7	71.9	73.1	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.6	75.6	75.6	75.7
Z 3500	59.6	71.7	74.2	75.8	77.2	77.9	79.3	79.3	79.3	79.3	79.3	79.4	79.6	79.6	79.6	79.6
Z 3000	61.7	75.4	78.3	79.7	81.5	82.6	84.1	84.1	84.1	84.1	84.1	84.2	84.5	84.5	84.5	84.6
Z 2500	65.1	79.8	82.7	84.6	86.0	87.3	88.8	88.8	88.8	88.8	88.8	88.9	89.1	89.1	89.1	89.3
Z 2000	66.3	82.4	85.5	87.7	89.1	90.4	91.9	91.9	91.9	91.9	91.9	92.0	92.2	92.2	92.2	92.3
Z 1800	66.5	82.6	86.0	87.9	89.4	90.6	92.1	92.1	92.1	92.1	92.1	92.2	92.3	92.3	92.3	92.6
Z 1500	67.0	83.6	87.4	89.4	90.9	92.1	93.7	93.7	93.7	93.7	93.7	93.8	94.1	94.1	94.1	94.2
Z 1200	67.3	84.2	88.0	90.0	91.5	92.7	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.9
Z 1000	67.7	84.8	88.6	90.6	92.1	93.3	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.4	95.8	95.9
Z 900	67.7	85.1	88.9	90.9	92.3	93.6	95.4	95.7	95.7	95.7	95.7	95.8	95.8	95.8	96.0	96.2
Z 800	67.7	85.2	89.0	91.0	92.4	93.7	95.6	95.8	95.8	95.8	95.8	95.9	95.9	96.2	96.2	96.2
Z 700	67.7	85.2	89.0	91.0	92.4	93.7	95.6	95.8	95.8	95.8	95.8	95.9	95.9	96.2	96.2	96.3
Z 600	67.8	85.4	89.3	91.3	92.7	94.0	95.8	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 500	67.8	85.4	89.3	91.3	92.7	94.0	95.8	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 400	67.8	85.4	89.3	91.3	92.7	94.0	95.8	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 300	67.8	85.4	89.3	91.3	92.7	94.0	95.8	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 200	67.8	85.4	89.3	91.3	92.7	94.0	95.8	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 100	67.8	85.4	89.3	91.3	92.7	94.0	95.8	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 0	67.8	85.4	89.3	91.3	92.7	94.0	95.8	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	33.7	39.8	41.4	42.5	43.5	44.4	44.8	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Z 20000	36.7	43.7	45.9	47.7	48.4	49.4	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
Z 18000	36.4	43.9	45.7	47.4	48.8	49.8	50.4	50.9	50.9	50.6	50.6	50.6	50.7	50.7	50.7	50.7
Z 16000	36.4	44.1	46.0	47.7	49.1	50.1	50.4	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	51.0
Z 14000	37.7	44.9	46.8	48.4	50.0	51.1	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9
Z 12000	38.4	46.1	48.0	49.9	51.3	52.4	53.0	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
Z 10000	40.3	48.8	50.8	52.8	54.2	55.3	55.9	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4
Z 9000	41.3	50.0	52.0	54.0	55.5	56.7	57.3	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7
Z 8000	42.2	51.2	53.3	55.4	56.9	58.2	58.7	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.2
Z 7000	42.8	52.0	54.2	56.4	57.9	59.2	59.8	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.3
Z 6000	43.4	53.2	55.5	57.8	59.2	60.5	61.1	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.6	61.6
Z 5000	45.4	55.8	58.3	60.7	62.2	63.7	64.2	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
Z 4500	48.3	59.4	62.1	64.6	66.6	68.0	68.7	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.3
Z 4000	49.4	61.7	64.5	67.2	69.2	70.6	71.2	71.7	71.7	71.8	71.8	71.8	72.0	72.0	72.0	72.0
Z 3500	52.0	64.7	67.7	70.8	72.9	74.4	75.2	75.5	75.5	75.7	75.7	75.8	75.8	75.8	75.8	75.8
Z 3000	52.0	65.7	72.1	75.4	78.1	79.7	80.4	80.9	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2
Z 2500	57.4	72.3	76.1	79.7	82.2	83.9	84.9	85.2	85.2	85.4	85.4	85.4	85.5	85.5	85.5	85.5
Z 2000	58.4	74.4	78.3	82.7	85.3	87.3	88.4	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.4
Z 1800	59.2	75.3	79.3	83.2	86.0	87.9	89.0	89.4	89.5	89.7	89.7	89.7	89.8	89.8	89.8	89.8
Z 1500	60.3	77.1	81.2	85.0	88.0	90.0	91.7	92.2	92.2	92.4	92.5	92.5	92.5	92.5	92.6	92.6
Z 1200	60.7	78.0	82.2	86.4	89.4	91.8	93.1	93.5	93.6	93.8	93.8	93.9	93.9	93.9	93.9	94.0
Z 1000	60.7	78.3	83.0	87.2	90.2	92.8	93.8	94.3	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7
Z 900	61.0	78.6	83.3	87.5	90.6	92.9	94.3	94.8	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2
Z 800	61.1	79.0	83.7	88.0	91.1	93.5	95.0	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
Z 700	61.1	79.2	83.9	88.2	91.4	93.8	95.3	95.9	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.4
Z 600	61.1	79.2	84.1	88.4	92.0	94.5	96.1	96.5	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.4
Z 500	61.1	79.2	84.3	88.6	92.2	95.2	96.9	97.8	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5
Z 400	61.1	79.2	84.3	89.0	92.7	95.5	97.3	98.2	98.4	98.7	98.8	98.8	98.9	98.9	98.9	99.0
Z 300	61.1	79.2	84.3	89.0	92.7	95.5	97.4	98.5	98.7	99.0	99.2	99.2	99.2	99.3	99.3	99.3
Z 200	61.1	79.2	84.3	89.0	92.7	95.5	97.4	98.5	98.8	99.0	99.3	99.4	99.4	99.5	99.5	99.5
Z 100	61.1	79.2	84.3	89.0	92.7	95.5	97.4	98.5	98.8	99.1	99.4	99.5	99.6	99.6	99.7	99.8
Z 0	61.1	79.2	84.3	89.0	92.7	95.5	97.4	98.5	98.8	99.1	99.4	99.5	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6680

USAF ETAC FORM 6-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	33.5	37.8	38.6	39.1	40.1	40.3	40.9	41.0	41.2	41.3	41.3	41.3	41.3	41.3	41.3	42.1
≥ 20000	35.2	39.8	40.6	41.1	42.2	42.3	42.9	43.0	43.2	43.9	43.9	43.9	43.9	43.9	43.9	44.1
≥ 18000	35.4	39.9	40.7	41.2	42.3	42.4	43.0	43.1	43.4	43.5	43.5	43.5	43.5	43.5	43.5	44.2
≥ 16000	35.5	40.0	40.9	41.3	42.0	42.5	43.1	43.2	43.5	43.6	43.6	43.6	43.6	43.6	43.6	44.3
≥ 14000	36.1	40.6	41.5	41.9	43.0	43.1	43.7	43.8	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.9
≥ 12000	36.3	40.9	41.7	42.2	43.2	43.4	44.0	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	45.2
≥ 10000	38.6	43.1	44.0	44.4	45.5	45.6	46.2	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.8	47.6
≥ 9000	39.5	44.2	45.0	45.5	46.6	46.7	47.3	47.4	47.8	47.9	47.9	47.9	47.9	47.9	47.9	48.6
≥ 8000	40.6	45.6	46.6	47.1	48.3	48.3	48.9	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	50.2
≥ 7000	41.6	46.6	47.7	48.1	49.2	49.3	49.9	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.5	51.3
≥ 6000	42.8	47.8	49.0	49.6	50.7	50.8	51.4	51.6	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.7
≥ 5000	48.7	54.1	55.3	55.9	57.2	57.3	57.9	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	59.3
≥ 4500	53.9	60.0	61.2	61.8	63.2	63.3	63.9	64.2	64.4	64.3	64.5	64.3	64.5	64.3	64.5	65.2
≥ 4000	58.8	65.2	66.7	67.4	68.8	68.9	69.3	69.8	70.0	70.3	70.4	70.4	70.4	70.4	70.4	71.1
≥ 3500	62.1	69.3	71.0	71.7	73.1	73.4	74.1	74.3	74.6	74.8	74.9	74.9	74.9	74.9	74.9	75.6
≥ 3000	65.5	73.4	75.3	76.2	77.7	77.9	78.7	79.0	79.2	79.3	79.6	79.6	79.6	79.6	79.6	80.3
≥ 2500	68.9	77.3	79.3	80.4	81.8	82.1	83.0	83.4	83.6	84.0	84.1	84.1	84.1	84.1	84.1	84.8
≥ 2000	71.9	81.1	83.3	84.8	86.3	86.7	87.7	88.1	88.3	88.6	88.8	88.8	88.8	88.8	88.8	89.5
≥ 1800	72.2	81.6	83.8	85.3	87.0	87.2	88.2	88.3	88.8	89.1	89.2	89.2	89.2	89.2	89.2	90.0
≥ 1500	72.6	82.9	85.2	87.1	88.8	89.0	90.0	90.3	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.8
≥ 1200	72.9	83.3	85.5	87.6	89.4	89.6	90.6	90.9	91.2	91.5	91.6	91.6	91.6	91.6	91.6	92.4
≥ 1000	73.4	83.8	86.3	88.3	90.2	90.4	91.4	91.8	92.0	92.4	92.5	92.5	92.5	92.5	92.5	93.2
≥ 900	73.5	84.3	87.0	89.0	90.9	91.2	92.2	92.6	92.8	93.2	93.3	93.3	93.3	93.3	93.3	94.1
≥ 800	73.6	84.7	87.5	89.6	91.6	91.9	93.1	93.4	93.7	94.0	94.1	94.1	94.1	94.1	94.1	95.0
≥ 700	73.8	85.1	87.9	90.1	92.1	92.4	93.5	93.9	94.3	94.6	94.7	94.7	94.7	94.7	94.7	95.6
≥ 600	74.2	85.5	88.3	90.6	92.6	93.1	94.3	94.6	95.0	95.3	95.5	95.5	95.5	95.5	95.5	96.3
≥ 500	74.3	85.7	88.6	90.9	93.1	93.7	95.0	95.3	95.8	96.2	96.3	96.3	96.3	96.3	96.3	97.1
≥ 400	74.3	86.0	89.0	91.0	93.6	94.4	95.6	96.3	96.7	97.1	97.3	97.3	97.3	97.3	97.3	98.1
≥ 300	74.4	86.3	89.7	92.0	94.1	94.9	96.4	96.9	97.3	97.7	97.8	97.8	97.8	97.8	97.8	98.7
≥ 200	74.6	86.3	89.7	92.1	94.3	95.0	96.5	97.1	97.5	98.0	98.1	98.1	98.1	98.1	98.1	99.0
≥ 100	74.6	86.3	89.7	92.1	94.3	95.0	96.5	97.1	97.5	98.1	98.3	98.3	98.3	98.3	98.3	99.3
≥ 0	74.6	86.3	89.7	92.1	94.3	95.0	96.5	97.1	97.5	98.1	98.3	98.3	98.3	98.3	98.3	99.3

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0600

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	30.6	34.9	36.2	36.6	36.6	37.4	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.9
IN 18000 IN 16000	32.0	36.6	38.1	38.5	38.7	39.3	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.0
IN 14000 IN 12000	32.3	36.8	38.4	38.7	38.9	39.5	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	41.2
IN 10000 IN 9000	34.5	39.5	41.1	41.5	41.7	42.3	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.0
IN 8000 IN 7000	36.1	41.5	43.0	43.4	43.6	44.2	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.9
IN 6000 IN 5000	37.2	42.5	44.2	44.6	44.8	45.4	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	47.1
IN 4500 IN 4000	37.6	43.4	45.0	45.4	45.6	46.2	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.9
IN 3500 IN 3000	48.5	55.7	57.5	58.2	58.4	59.0	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.9
IN 2500 IN 2000	56.5	65.1	67.1	67.9	68.3	68.8	69.5	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	71.0
IN 1800 IN 1500	65.2	75.1	77.4	78.4	79.2	79.9	80.5	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	82.1
IN 1200 IN 1000	68.8	79.8	82.6	83.5	84.5	85.5	86.4	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	87.9
IN 900 IN 800	70.0	81.4	84.3	85.7	86.7	87.8	88.6	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	90.2
IN 700 IN 600	70.7	82.4	85.9	87.3	88.4	89.7	90.8	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	92.6
IN 500 IN 400	70.7	82.9	86.7	88.2	89.5	90.6	91.8	92.8	92.8	92.7	92.7	92.7	92.7	92.7	92.7	93.9
IN 300 IN 200	71.6	84.0	88.1	89.4	91.0	92.1	93.3	94.0	94.9	95.2	95.2	95.2	95.2	95.2	95.2	96.4
IN 100 IN 0	71.7	84.3	88.8	90.6	92.2	93.5	95.1	96.2	96.5	97.0	97.1	97.1	97.1	97.1	97.1	98.3
	71.7	84.3	88.8	90.6	92.4	93.9	95.2	96.4	96.9	97.4	97.5	97.5	97.5	97.5	97.5	98.8

TOTAL NUMBER OF OBSERVATIONS 237

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-01  
YEAR

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	24.1	31.1	31.7	33.9	34.6	35.4	36.2	36.2	36.2	36.3	36.3	36.6	36.6	36.6	36.7	37.2
≥ 20000	25.7	33.3	34.2	36.9	37.9	38.6	39.9	39.9	39.9	39.8	39.8	39.8	39.8	39.9	40.0	40.7
IN 18000	25.7	33.3	34.2	36.9	37.9	38.6	39.9	39.9	39.9	39.8	39.8	39.8	39.8	39.9	40.0	40.7
IN 16000	26.2	33.8	34.6	37.4	38.4	39.1	39.9	39.9	39.9	40.0	40.0	40.3	40.3	40.4	40.5	41.2
IN 14000	26.3	33.9	34.9	37.6	38.6	39.3	40.1	40.1	40.1	40.3	40.3	40.5	40.5	40.6	40.7	41.5
IN 12000	26.6	34.0	35.6	38.5	39.5	40.1	41.0	41.0	41.0	41.1	41.1	41.3	41.3	41.5	41.6	42.3
IN 10000	28.0	36.0	37.3	40.4	41.8	42.2	43.0	43.0	43.0	43.1	43.1	43.4	43.4	43.5	43.6	44.3
IN 9000	28.1	36.1	37.4	40.5	41.9	42.3	43.2	43.2	43.2	43.3	43.3	43.6	43.6	43.7	43.8	44.6
IN 8000	28.7	36.7	38.0	41.1	42.2	42.9	43.8	43.8	43.8	44.0	44.0	44.2	44.2	44.3	44.4	45.2
IN 7000	29.4	37.5	38.8	41.9	43.0	43.7	44.7	44.7	44.7	44.8	44.8	45.0	45.0	45.2	45.3	46.0
IN 6000	30.1	38.6	39.9	43.0	44.1	44.8	45.8	45.8	45.8	45.9	45.9	46.1	46.1	46.2	46.4	47.1
IN 5000	34.6	43.0	45.3	48.5	49.9	51.0	52.0	52.0	52.0	52.1	52.1	52.3	52.3	52.4	52.6	53.3
IN 4500	37.9	48.5	50.9	53.8	55.4	56.8	57.8	57.8	57.8	57.6	57.6	57.8	57.8	57.9	58.1	58.8
IN 4000	40.5	51.6	53.6	57.0	58.7	59.7	60.7	60.8	60.9	61.1	61.1	61.3	61.3	61.5	61.6	62.9
IN 3500	44.2	55.4	57.7	61.2	63.1	64.3	65.4	65.5	65.7	65.8	65.8	66.1	66.2	66.3	66.4	67.1
IN 3000	48.7	61.8	64.2	67.9	70.0	71.4	72.8	73.0	73.2	73.4	73.4	73.6	73.7	73.8	74.0	74.7
IN 2500	51.4	65.4	67.9	71.6	73.8	75.6	76.9	77.2	77.5	77.8	77.9	78.1	78.3	78.4	78.5	79.2
IN 2000	54.2	68.8	71.6	75.9	78.8	80.3	81.6	82.1	82.6	82.8	82.9	83.2	83.3	83.4	83.5	84.2
IN 1800	55.1	69.9	72.6	77.1	79.7	81.5	82.8	83.4	83.9	84.1	84.2	84.5	84.6	84.7	84.8	85.5
IN 1500	55.9	71.3	74.3	79.1	82.1	84.0	85.3	86.0	86.9	87.1	87.2	87.5	87.6	87.7	87.8	88.5
IN 1200	56.9	72.8	75.7	80.5	83.5	85.5	87.0	87.7	88.5	88.8	89.0	89.2	89.4	89.5	89.6	90.3
IN 1000	57.3	73.6	76.7	81.7	84.8	87.0	88.6	89.4	90.2	90.4	90.7	90.9	91.0	91.2	91.3	92.0
IN 900	57.3	73.6	76.7	81.7	84.9	87.1	88.9	89.6	90.4	90.7	90.9	91.2	91.3	91.4	91.5	92.2
IN 800	57.5	73.8	77.1	82.2	85.7	88.1	89.8	90.6	91.4	91.6	91.9	92.1	92.2	92.4	92.5	93.2
IN 700	57.6	74.1	77.3	82.6	86.1	88.6	90.7	91.4	92.2	92.5	92.7	93.0	93.1	93.2	93.3	94.0
IN 600	57.7	74.6	77.9	83.2	87.0	89.7	91.8	92.5	93.3	93.5	93.8	94.0	94.1	94.2	94.3	95.0
IN 500	57.7	74.7	78.0	83.3	87.2	90.1	92.4	93.3	94.0	94.7	95.0	95.2	95.3	95.6	95.8	96.7
IN 400	57.7	74.8	78.3	83.5	87.5	90.4	92.8	93.8	94.5	95.2	95.5	95.7	95.8	96.1	96.2	97.0
IN 300	57.7	74.8	78.4	83.6	87.7	90.7	93.2	94.2	94.9	95.6	96.1	96.3	96.4	96.8	96.9	97.1
IN 200	57.7	74.8	78.5	83.8	87.8	90.8	93.3	94.3	95.1	95.8	96.3	96.5	96.6	97.0	97.2	97.8
IN 100	57.7	74.8	78.5	83.8	87.8	90.8	93.3	94.3	95.1	95.8	96.3	96.5	96.6	97.0	97.2	97.8
IN 0	57.7	74.8	78.5	83.8	87.8	90.8	93.3	94.3	95.1	95.8	96.3	96.5	96.6	97.0	97.2	97.8

TOTAL NUMBER OF OBSERVATIONS 217

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	22.9	29.7	31.3	33.0	34.4	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 2000	26.2	30.1	36.3	38.0	39.8	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 18000	26.3	34.2	36.2	38.1	39.7	40.3	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.6	40.6
IV 16000	26.6	34.6	36.7	38.6	40.1	40.7	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.1	41.1
IV 14000	27.2	35.6	37.9	39.8	41.3	41.9	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.3	42.3
IV 12000	28.1	36.6	38.8	40.9	42.5	43.1	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.5	43.5
IV 10000	31.1	39.8	42.1	44.3	46.0	46.6	46.7	46.7	46.7	46.7	46.8	46.8	46.8	46.8	47.0	47.0
IV 9000	31.8	41.0	43.2	45.4	47.7	48.4	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.7	48.7
IV 8000	33.2	42.7	45.0	47.6	49.8	50.2	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.5	50.5
IV 7000	33.8	43.8	45.9	48.6	50.3	51.0	51.1	51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.4	51.4
IV 6000	34.8	44.4	47.0	49.8	51.6	52.3	52.4	52.4	52.4	52.4	52.6	52.6	52.6	52.6	52.7	52.7
IV 5000	38.2	48.8	51.1	53.8	55.9	56.6	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	57.0	57.0
IV 4500	40.1	51.3	54.1	57.1	59.4	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.5	60.5
IV 4000	42.1	53.4	56.5	59.7	62.3	63.0	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3
IV 3500	44.2	56.3	59.3	62.7	65.8	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.7	66.7
IV 3000	48.3	60.8	64.5	68.2	71.6	72.8	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2
IV 2500	50.4	64.3	68.7	72.9	76.2	77.5	77.6	77.6	77.6	77.6	77.9	77.9	77.9	77.9	78.0	78.0
IV 2000	54.1	68.8	74.0	78.7	82.8	83.8	84.0	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.5	84.5
IV 1800	54.7	69.7	74.8	79.7	83.8	84.8	85.2	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.7	85.7
IV 1500	56.2	71.7	77.2	82.7	86.6	88.4	88.5	88.7	88.7	88.7	88.9	88.9	88.9	88.9	89.1	89.1
IV 1200	57.0	73.1	78.6	84.3	88.8	90.3	90.8	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.9	91.9
IV 1000	57.1	73.8	79.3	85.1	89.9	91.5	91.8	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.8	92.8
IV 900	57.3	74.1	79.7	85.4	89.7	91.8	92.1	92.6	92.6	92.6	93.1	93.1	93.1	93.1	93.2	93.2
IV 800	57.3	74.2	80.0	86.0	90.8	92.3	92.7	93.3	93.3	93.3	93.9	93.9	93.9	93.9	94.0	94.0
IV 700	57.3	74.6	80.4	86.8	90.9	93.4	93.9	94.4	94.4	94.4	94.9	94.9	94.9	94.9	95.0	95.0
IV 600	57.5	74.7	80.8	86.6	91.8	93.7	94.3	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.5	95.5
IV 500	57.6	74.7	80.8	86.8	92.0	94.7	95.6	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.3	97.3
IV 400	57.5	74.7	80.8	87.2	92.6	95.5	96.7	97.3	97.3	97.3	98.1	98.1	98.1	98.1	98.4	98.4
IV 300	57.5	74.7	80.8	87.2	92.8	95.6	96.9	97.8	97.8	97.8	98.6	98.6	98.6	98.6	99.0	99.0
IV 200	57.5	74.7	80.8	87.2	92.8	95.6	96.9	97.8	97.8	97.8	98.6	98.6	98.6	98.6	99.2	99.2
IV 100	57.5	74.7	80.8	87.2	92.8	95.6	96.9	97.8	97.8	97.8	98.7	98.7	98.7	98.7	99.5	99.5
IV 0	57.5	74.7	80.8	87.2	92.8	95.6	96.9	97.8	97.8	97.8	98.7	98.7	98.7	98.7	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1800  
MOON SET

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	210	24	25	24	23	22 1/2	22	21 1/2	21 1/4	21	24	24	24	25/16	24	20
NO CEILING ≥ 20000	28.4	33.9	34.8	36.2	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
IV 18000	32.1	39.3	40.1	41.6	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 16000	32.3	39.5	40.4	41.8	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 14000	33.1	41.1	41.9	43.4	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 12000	34.4	42.4	43.2	44.7	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 10000	36.2	44.2	45.0	46.5	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 9000	36.8	45.0	45.9	47.3	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 8000	38.4	46.7	47.7	49.2	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 7000	39.3	48.3	49.3	51.1	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 6000	39.8	49.0	50.1	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 5000	41.8	51.5	52.8	54.6	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 4500	44.9	55.3	56.8	58.7	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 4000	46.7	57.5	58.8	60.9	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 3500	48.9	60.2	61.8	64.2	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 3000	56.6	68.2	70.0	72.9	73.7	73.7	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2500	61.8	74.3	76.3	79.1	80.8	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 2000	67.1	81.2	83.4	86.5	88.5	88.5	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1800	67.3	81.8	84.0	87.3	89.5	89.7	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1500	67.5	82.4	84.8	88.4	90.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1200	67.5	82.7	85.1	88.9	91.4	91.9	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	68.0	83.3	85.8	89.8	92.7	93.2	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 900	68.1	84.1	86.7	90.9	93.8	94.3	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 800	68.2	84.3	87.2	91.9	94.8	95.3	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 700	68.3	84.6	87.6	91.9	95.1	95.6	95.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 600	68.5	85.1	88.1	92.4	95.8	96.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS: 822

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS, NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	29.6	34.5	35.1	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 20000	35.7	41.2	41.8	42.7	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVW 18000	36.1	41.6	42.2	43.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IVW 16000	36.7	41.8	42.8	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVW 14000	37.2	43.4	44.0	44.8	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IVW 12000	38.5	45.0	45.9	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IVW 10000	39.5	46.2	47.1	47.9	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IVW 9000	40.6	47.8	48.3	49.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IVW 8000	43.2	50.4	51.5	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IVW 7000	44.1	51.6	52.8	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IVW 6000	45.5	52.6	53.9	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IVW 5000	49.7	57.0	58.1	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IVW 4500	54.4	62.6	64.0	65.0	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IVW 4000	57.3	65.8	67.4	68.7	69.8	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IVW 3500	61.9	70.6	72.4	73.8	75.0	75.0	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IVW 3000	65.1	74.8	76.8	78.3	79.7	79.7	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IVW 2500	70.1	81.1	83.4	84.9	86.9	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVW 2000	71.9	83.8	86.1	87.8	90.1	90.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IVW 1800	72.2	84.0	86.5	88.3	90.7	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IVW 1500	72.4	84.7	86.7	88.8	91.0	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IVW 1200	72.8	84.7	87.2	89.4	91.8	93.0	93.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IVW 1000	73.5	85.8	87.9	90.1	92.8	94.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IVW 900	73.4	85.6	88.3	90.4	93.3	94.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IVW 800	73.4	86.0	88.1	91.0	93.4	95.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVW 700	73.6	86.3	89.1	91.5	94.4	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IVW 600	73.7	86.8	89.4	92.1	95.1	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IVW 500	73.7	86.4	89.4	92.2	95.3	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IVW 400	73.7	86.4	89.5	92.2	95.3	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IVW 300	73.7	86.4	89.5	92.2	95.3	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IVW 200	73.7	86.4	89.5	92.2	95.3	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IVW 100	73.7	86.4	89.5	92.2	95.3	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IVW 0	73.7	86.4	89.5	92.2	95.3	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS: 222

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

867

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
MAY 1951

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	26	25	24	23	22½	22	21½	21¼	21	20¾	20½	20¼	20	19½	20	
NO CEILING ≥ 20000	32.0	35.8	36.3	36.6	36.8	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
I/W 18000	37.4	41.3	41.9	42.3	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
I/W 16000	38.0	42.1	42.7	43.0	43.5	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
I/W 14000	38.9	42.9	43.1	43.3	44.0	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
I/W 12000	39.3	43.6	44.2	44.6	45.0	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
I/W 10000	40.6	45.0	45.8	46.0	46.8	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
I/W 9000	41.3	45.8	46.6	47.0	47.9	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
I/W 8000	43.5	48.0	48.9	49.2	49.7	49.8	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
I/W 7000	44.2	48.9	49.7	50.1	50.9	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
I/W 6000	45.4	50.4	51.3	51.6	52.1	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
I/W 5000	48.7	54.4	55.3	55.7	56.2	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
I/W 4500	53.3	59.6	61.1	61.4	61.9	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
I/W 4000	57.3	64.6	66.1	66.4	67.0	67.2	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
I/W 3500	60.7	68.9	70.6	71.0	71.6	71.8	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
I/W 3000	65.0	74.6	76.2	76.6	77.3	77.7	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
I/W 2500	69.9	80.0	82.0	82.8	83.6	84.0	84.3	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
I/W 2000	72.9	84.8	87.1	88.1	89.1	89.8	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
I/W 1800	73.1	84.7	87.3	88.4	89.5	89.8	90.3	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
I/W 1500	73.9	85.8	88.3	89.5	90.6	90.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
I/W 1200	73.8	86.8	89.0	90.1	91.2	91.6	92.1	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
I/W 1000	73.8	86.8	89.0	91.0	92.1	92.6	93.1	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
I/W 900	73.8	86.8	89.0	91.0	92.2	92.7	93.2	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
I/W 800	74.0	87.0	89.0	91.0	92.0	92.5	93.0	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
I/W 700	74.1	87.0	89.0	92.0	94.0	94.6	95.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
I/W 600	74.0	87.0	91.0	93.0	95.0	95.6	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
I/W 500	74.0	88.0	91.0	93.0	95.0	95.7	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
I/W 400	74.7	89.0	91.0	93.0	95.0	95.7	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
I/W 300	74.7	89.0	91.0	93.0	95.0	95.7	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
I/W 200	74.7	89.0	91.0	93.0	95.0	95.7	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
I/W 100	74.7	89.0	91.0	93.0	95.0	95.7	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
I/W 0	74.7	89.0	91.0	93.0	95.0	95.7	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

OCT

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	≥1/16	≥0	≥0
NO CEILING ≥ 20000	35.6	39.3	39.9	40.3	40.9	41.0	41.1	41.1	41.2	41.2	41.3	41.5	41.5	41.5	41.5	41.5
≥ 18000	38.9	42.5	43.1	43.5	43.7	44.2	44.3	44.4	44.4	44.6	44.6	44.7	44.8	44.8	44.8	44.8
≥ 16000	39.2	42.8	43.4	43.7	44.0	44.5	44.6	44.6	44.7	44.7	44.8	44.9	44.9	44.9	44.9	44.9
≥ 14000	39.7	43.8	43.8	44.2	44.4	44.9	45.0	45.0	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4
≥ 12000	40.1	44.4	45.0	45.4	45.4	46.1	46.2	46.2	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 10000	42.1	46.8	47.4	47.8	48.0	48.5	48.6	48.6	48.7	48.9	49.0	49.1	49.1	49.1	49.1	49.1
≥ 9000	43.0	47.8	48.4	48.7	49.0	49.6	49.7	49.7	49.8	49.9	50.1	50.2	50.2	50.2	50.2	50.2
≥ 8000	44.7	49.5	50.1	50.4	50.7	51.3	51.4	51.4	51.5	51.6	51.7	51.9	51.9	51.9	51.9	51.9
≥ 7000	45.4	50.5	51.1	51.5	51.7	52.3	52.4	52.4	52.5	52.7	52.8	52.9	52.9	52.9	52.9	52.9
≥ 6000	47.8	52.3	52.9	53.3	53.5	54.1	54.2	54.2	54.4	54.5	54.6	54.7	54.7	54.7	54.7	54.7
≥ 5000	51.9	57.7	57.9	58.3	58.5	59.1	59.2	59.2	59.3	59.4	59.7	59.8	59.8	59.8	59.8	59.8
≥ 4500	57.8	63.6	64.4	64.9	65.1	66.1	66.2	66.2	66.3	66.4	66.5	66.7	66.7	66.7	66.7	66.7
≥ 4000	61.4	68.4	68.9	69.4	69.6	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
≥ 3500	64.3	71.2	72.3	72.9	73.4	74.4	74.6	74.6	74.7	74.8	74.9	75.0	75.0	75.0	75.0	75.0
≥ 3000	66.8	74.7	76.0	76.6	77.1	78.1	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2500	71.1	80.4	81.8	82.6	83.0	84.3	84.8	84.8	84.7	84.8	84.9	85.1	85.1	85.1	85.1	85.1
≥ 2000	74.0	84.4	86.1	87.1	87.4	88.9	89.0	89.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	74.4	85.7	87.3	88.1	88.8	90.1	90.2	90.3	90.4	90.6	90.7	90.8	90.8	90.8	90.8	90.8
≥ 1500	75.5	87.3	89.2	90.2	90.7	92.5	92.1	92.2	92.2	92.5	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1200	75.9	88.1	90.0	90.9	91.4	92.7	92.8	93.0	93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.4
≥ 1000	76.5	89.1	91.0	92.2	92.8	94.1	94.3	94.4	94.5	94.6	94.7	94.8	94.8	94.8	94.8	94.8
≥ 900	76.6	89.2	91.2	92.4	93.0	94.3	94.4	94.5	94.6	94.7	94.9	95.0	95.0	95.0	95.0	95.0
≥ 800	76.7	89.3	91.4	92.6	93.2	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.1
≥ 700	76.8	90.0	92.0	93.1	94.0	95.4	95.9	96.3	96.3	96.4	96.5	96.7	96.7	96.7	96.7	96.7
≥ 600	76.9	90.8	92.1	93.3	94.3	95.7	96.2	96.5	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8
≥ 500	76.9	90.8	92.2	93.5	94.4	95.8	96.3	96.6	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9
≥ 400	77.1	91.1	92.6	93.8	94.8	96.2	96.7	97.0	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3
≥ 300	77.1	91.1	92.6	93.8	94.8	96.2	96.7	97.0	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3
≥ 200	77.1	91.1	92.6	93.8	94.8	96.2	96.7	97.0	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3
≥ 100	77.1	91.1	92.6	93.8	94.8	96.2	96.7	97.0	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3
≥ 0	77.1	91.1	92.6	93.8	94.8	96.2	96.7	97.0	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 100

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	210	24	25	24	23	22 1/2	22	21 1/2	21 1/4	21	24	24	24	25-16	24	20
NO CEILING	29.7	34.6	35.5	36.4	37.0	37.3	37.6	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	38.1
≥ 20000	32.8	38.4	39.4	40.5	41.1	41.5	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.2
≥ 18000	33.0	38.6	39.6	40.7	41.3	41.7	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.2	42.5
≥ 16000	33.3	38.9	39.9	41.0	41.6	42.0	42.3	42.3	42.4	42.4	42.4	42.5	42.5	42.5	42.5	42.8
≥ 14000	33.6	39.7	40.7	41.7	42.4	42.7	43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.3	43.6
≥ 12000	34.5	40.6	41.7	42.8	43.5	43.8	44.1	44.1	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.6
≥ 10000	36.3	42.6	43.7	44.8	45.5	45.8	46.2	46.2	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.7
≥ 9000	37.1	43.4	44.5	45.6	46.3	46.6	47.2	47.2	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.7
≥ 8000	38.5	45.1	46.3	47.4	48.1	48.3	49.0	49.1	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.6
≥ 7000	39.4	46.1	47.4	48.5	49.2	49.5	50.1	50.2	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.7
≥ 6000	40.5	47.3	48.6	49.7	50.7	51.1	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.2
≥ 5000	44.5	52.0	53.4	54.7	55.6	56.1	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.2
≥ 4500	48.6	57.1	58.7	60.1	61.1	61.5	61.9	61.9	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.5
≥ 4000	52.1	60.9	62.5	64.1	65.2	65.7	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.6
≥ 3500	55.3	64.7	66.3	68.2	69.4	69.9	70.3	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	71.1
≥ 3000	59.7	69.8	72.0	73.8	75.2	75.9	76.5	76.5	76.6	76.7	76.7	76.8	76.8	76.8	76.8	77.2
≥ 2500	63.5	74.7	77.1	79.1	80.7	81.5	82.0	82.2	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.9
≥ 2000	66.5	79.0	81.7	83.8	85.5	86.3	87.1	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	88.0
≥ 1800	67.2	79.6	82.4	84.7	86.6	87.5	88.1	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	89.1
≥ 1500	67.5	80.0	82.7	85.1	87.1	88.0	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.5
≥ 1200	68.1	81.5	84.4	87.0	89.1	90.1	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.9
≥ 1000	68.7	82.2	85.2	87.9	90.1	91.1	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	93.0
≥ 900	68.8	82.3	85.4	88.1	90.3	91.3	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.2
≥ 800	69.0	82.5	85.6	88.3	90.5	91.5	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.4
≥ 700	69.1	82.6	85.7	88.4	90.6	91.6	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.5
≥ 600	69.1	82.6	85.7	88.4	90.6	91.6	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.5
≥ 500	69.4	83.0	86.1	88.8	91.0	92.0	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.9
≥ 400	69.4	83.0	86.1	88.8	91.0	92.0	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.9
≥ 300	69.4	83.0	86.1	88.8	91.0	92.0	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.9
≥ 200	69.4	83.0	86.1	88.8	91.0	92.0	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.9
≥ 100	69.4	83.0	86.1	88.8	91.0	92.0	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.9
0	69.4	83.0	86.1	88.8	91.0	92.0	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.9

TOTAL NUMBER OF OBSERVATIONS: 6666

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-01

NOV

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	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	25.6	26.9	29.6	30.2	30.6	31.0	31.4	31.5	31.5	31.6	31.6	31.7	31.7	31.7	31.7	32.0
≥ 20000	26.6	30.4	31.1	31.7	32.1	32.5	32.8	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.6
W 18000	26.6	30.4	31.1	31.7	32.1	32.5	32.8	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.6
W 16000	26.6	30.4	31.1	31.7	32.1	32.5	32.8	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.6
W 14000	26.6	30.4	31.1	31.7	32.1	32.5	32.8	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.6
W 12000	27.2	30.4	31.7	32.1	32.7	33.1	33.5	33.6	33.6	33.7	33.7	33.8	33.8	33.8	33.8	34.2
W 10000	28.4	32.1	33.0	33.6	34.0	34.3	34.7	34.8	34.8	34.9	34.9	35.1	35.1	35.1	35.1	35.4
W 9000	28.4	32.1	33.0	33.6	34.0	34.3	34.7	34.8	34.8	34.9	34.9	35.1	35.1	35.1	35.1	35.4
W 8000	31.9	36.0	36.9	37.5	37.9	38.3	38.4	38.8	38.8	38.9	38.9	39.0	39.0	39.0	39.0	39.4
W 7000	33.0	37.2	38.0	38.4	39.0	39.4	39.8	39.9	39.9	40.0	40.0	40.1	40.1	40.1	40.1	40.4
W 6000	33.5	37.1	38.5	39.1	39.5	39.9	40.2	40.4	40.4	40.5	40.5	40.6	40.6	40.6	40.6	41.0
W 5000	37.1	42.4	43.8	44.8	45.8	46.2	46.7	47.1	47.1	47.2	47.2	47.3	47.3	47.3	47.3	47.6
W 4500	40.6	47.8	48.9	49.5	49.9	50.4	50.9	51.0	51.0	51.1	51.1	51.2	51.2	51.2	51.2	51.6
W 4000	44.7	51.7	53.1	53.7	54.1	54.6	55.1	55.2	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.8
W 3500	48.4	56.7	58.0	58.6	59.1	59.6	60.1	60.4	60.4	60.5	60.5	60.6	60.6	60.6	60.6	61.0
W 3000	52.7	61.6	63.0	63.7	64.1	64.6	65.1	65.4	65.4	65.5	65.5	65.6	65.6	65.6	65.6	66.0
W 2500	58.1	67.4	69.5	70.2	71.0	71.5	72.0	72.2	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.8
W 2000	63.8	75.1	77.0	78.0	78.9	79.5	80.1	80.5	80.5	80.6	80.6	80.7	80.7	80.7	80.7	81.1
W 1800	64.9	76.2	78.1	79.1	80.0	80.6	81.2	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.8	82.2
W 1500	68.7	80.4	82.3	83.3	84.2	84.8	85.4	85.8	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.4
W 1200	69.4	82.0	84.2	85.3	86.3	86.9	87.5	88.0	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.6
W 1000	69.8	82.6	85.0	87.1	89.0	89.7	90.7	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.4
W 900	70.0	83.2	86.0	88.0	89.8	90.5	91.6	92.8	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.4
W 800	70.4	84.1	87.1	89.1	91.0	91.8	93.0	94.2	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.8
W 700	70.6	84.7	87.9	90.0	91.9	92.7	94.0	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.8
W 600	70.6	85.3	88.5	90.6	92.5	93.3	94.6	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.4
W 500	70.6	85.9	89.1	91.2	93.1	93.9	95.2	96.4	96.4	96.5	96.5	96.6	96.6	96.6	96.6	97.0
W 400	70.6	86.5	89.7	91.8	93.7	94.5	95.8	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.6
W 300	70.6	87.1	90.3	92.4	94.3	95.1	96.4	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	98.2
W 200	70.6	87.7	90.9	93.0	94.9	95.7	97.0	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.8
W 100	70.6	88.3	91.5	93.6	95.5	96.3	97.6	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.4
W 0	70.6	88.9	92.1	94.2	96.1	96.9	98.2	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 617

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0100-0500  
 NOV-77

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	23.2	27.0	28.1	28.8	29.0	29.1	29.1	29.3	29.3	29.3	29.4	29.4	29.3	29.5	29.5	30.1
≥ 18000	25.1	29.0	30.6	31.2	31.5	31.6	31.6	31.7	31.9	32.0	32.1	32.1	32.2	32.2	32.2	32.8
≥ 16000	25.1	29.0	30.6	31.2	31.5	31.6	31.6	31.7	31.9	32.0	32.1	32.1	32.2	32.2	32.2	32.8
≥ 14000	25.1	29.0	30.6	31.2	31.5	31.6	31.6	31.7	31.9	32.0	32.1	32.1	32.2	32.2	32.2	32.8
≥ 12000	25.1	29.0	30.6	31.2	31.5	31.6	31.6	31.7	31.9	32.0	32.1	32.1	32.2	32.2	32.2	32.8
≥ 10000	27.0	31.2	33.0	33.6	33.8	34.0	34.0	34.1	34.2	34.3	34.4	34.4	34.6	34.6	34.6	35.2
≥ 9000	27.0	31.2	33.0	33.6	33.8	34.0	34.0	34.1	34.2	34.3	34.4	34.4	34.6	34.6	34.6	35.2
≥ 8000	30.1	34.3	36.0	36.7	36.9	37.0	37.0	37.2	37.3	37.4	37.5	37.5	37.7	37.7	37.7	38.3
≥ 7000	30.7	34.9	36.7	37.3	37.5	37.7	37.7	37.8	37.9	38.0	38.1	38.1	38.3	38.3	38.3	38.9
≥ 6000	31.2	35.6	37.4	38.0	38.3	38.4	38.4	38.5	38.6	38.6	38.9	38.9	39.0	39.0	39.0	39.6
≥ 5000	35.4	40.4	42.5	43.5	43.8	44.0	44.0	44.1	44.2	44.3	44.4	44.4	44.6	44.6	44.6	45.2
≥ 4500	39.4	45.3	47.7	48.8	49.1	49.3	49.3	49.4	49.5	49.6	49.9	49.9	50.0	50.0	50.0	50.6
≥ 4000	42.6	49.3	51.6	52.7	53.1	53.5	53.5	53.6	53.7	53.8	54.1	54.1	54.2	54.2	54.2	54.8
≥ 3500	48.1	55.1	58.1	59.4	59.9	60.2	60.2	60.5	60.7	60.9	61.1	61.1	61.2	61.2	61.2	61.9
≥ 3000	52.0	59.8	62.8	64.2	64.7	65.1	65.1	65.3	65.6	65.7	65.9	65.9	66.0	66.0	66.0	66.7
≥ 2500	57.0	65.2	68.4	70.0	70.5	70.9	71.0	71.4	71.6	71.7	72.1	72.1	72.2	72.2	72.2	72.8
≥ 2000	61.9	71.7	75.3	77.3	78.0	78.4	78.9	79.4	79.6	79.8	80.1	80.1	80.2	80.2	80.2	80.9
≥ 1800	62.7	72.6	76.3	78.3	79.0	79.4	79.9	80.4	80.6	80.7	81.1	81.1	81.2	81.2	81.2	81.9
≥ 1500	64.6	76.0	80.2	82.4	83.3	83.7	84.3	84.8	85.1	85.2	85.6	85.6	85.7	85.7	85.7	86.3
≥ 1200	66.4	78.1	82.5	84.8	85.9	86.5	87.3	87.8	88.0	88.1	88.5	88.5	88.6	88.6	88.6	89.3
≥ 1000	66.9	78.9	83.3	86.0	87.2	87.8	88.5	89.2	89.5	89.6	90.0	90.0	90.1	90.1	90.1	90.7
≥ 900	66.9	78.9	83.3	86.0	87.2	87.8	88.5	89.2	89.5	89.6	90.0	90.0	90.1	90.1	90.1	90.7
≥ 800	67.2	79.4	83.8	86.5	87.9	88.5	89.2	89.8	90.2	90.4	90.7	91.2	91.2	91.3	91.3	92.0
≥ 700	67.4	79.8	84.4	87.7	88.8	89.4	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 600	67.4	79.8	84.4	87.7	88.8	89.4	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 500	67.4	79.8	84.4	87.7	88.8	89.4	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 400	67.4	79.8	84.4	87.7	88.8	89.4	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 300	67.4	79.8	84.4	87.7	88.8	89.4	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 200	67.4	79.8	84.4	87.7	88.8	89.4	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 100	67.4	79.8	84.4	87.7	88.8	89.4	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 0	67.4	79.8	84.4	87.7	88.8	89.4	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0	
NO CEILING ≥ 20000	17.7	21.7	22.2	24.0	24.6	24.9	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.6	25.7	25.8	26.2
18000 16000	20.0	24.7	25.2	26.9	27.5	28.0	28.4	28.4	28.4	28.4	28.4	28.4	28.8	28.8	29.0	29.1	29.5
14000 12000	20.1	24.8	25.3	27.0	27.8	28.3	28.6	28.6	28.6	28.9	28.9	29.0	29.0	29.1	29.3	29.4	29.8
10000 9000	22.6	27.7	28.4	30.1	31.0	31.6	32.0	32.0	32.2	32.2	32.3	32.3	32.3	32.5	32.6	32.7	33.1
8000 7000	23.1	28.3	29.0	30.7	31.6	32.2	32.6	32.6	32.8	32.8	33.0	33.0	33.1	33.2	33.3	33.3	33.7
6000 5000	24.9	30.4	31.2	33.1	34.0	34.6	34.9	34.9	35.2	35.2	35.3	35.3	35.4	35.4	35.6	35.7	36.0
4500 4000	25.1	30.5	31.4	33.2	34.1	34.7	35.1	35.1	35.3	35.3	35.4	35.4	35.4	35.6	35.7	35.8	36.2
3500 3000	26.0	31.6	32.5	34.3	35.2	35.8	36.2	36.2	36.4	36.4	36.4	36.5	36.5	36.7	36.8	36.9	37.3
2500 2000	29.5	35.4	36.4	38.4	39.4	40.1	40.5	40.5	40.7	40.7	40.9	40.9	41.0	41.1	41.2	41.4	41.6
1800 1500	33.6	40.0	41.5	43.6	44.7	45.4	45.9	46.0	46.3	46.3	46.4	46.4	46.5	46.7	46.9	47.3	47.3
1200 1000	36.2	43.3	44.9	47.2	48.3	49.1	49.8	49.8	50.1	50.1	50.2	50.2	50.4	50.5	50.7	51.1	51.1
900 800	39.3	46.7	48.3	50.9	52.3	53.1	53.6	53.7	54.0	54.0	54.0	54.1	54.1	54.2	54.3	54.6	54.9
700 600	44.6	52.0	54.2	58.5	61.2	62.1	62.7	62.8	63.1	63.1	63.2	63.2	63.3	63.5	63.7	64.1	64.1
500 400	50.4	61.5	63.7	66.8	69.5	70.4	71.0	71.1	71.4	71.4	71.5	71.5	71.6	71.7	72.0	72.3	72.3
300 200	55.2	68.1	70.6	73.8	76.9	78.3	79.4	79.5	79.9	79.9	80.0	80.0	80.1	80.2	80.5	80.9	80.9
100 0	55.7	68.6	71.1	74.3	77.4	78.8	79.9	80.0	80.4	80.4	80.4	80.5	80.5	80.6	80.7	81.0	81.4
	58.4	71.7	74.3	77.5	81.2	82.6	83.7	83.8	84.2	84.2	84.3	84.3	84.3	84.4	84.6	84.9	85.2
	58.9	73.1	75.7	79.2	83.2	84.8	86.0	86.3	86.8	86.8	86.9	86.9	87.0	87.2	87.4	87.8	87.8
	59.3	73.7	76.5	80.7	84.9	86.5	88.0	88.5	89.0	89.1	89.3	89.3	89.5	89.6	89.9	90.2	90.2
	59.3	73.7	76.5	80.7	84.9	86.5	88.0	88.5	89.0	89.3	89.4	89.4	89.6	89.8	90.0	90.4	90.4
	59.4	74.0	76.9	81.1	85.3	86.9	88.5	89.0	89.6	89.6	89.8	89.8	90.0	90.2	90.6	90.6	91.0
	59.6	74.7	77.8	82.1	86.3	88.0	90.0	90.6	91.2	91.6	91.7	91.7	92.0	92.1	92.3	92.7	92.7
	59.6	75.1	78.1	82.6	87.3	89.0	91.0	91.7	92.3	92.7	92.8	92.8	93.1	93.2	93.5	93.8	93.8
	59.8	75.1	78.4	83.5	88.3	90.0	92.0	92.8	93.4	94.1	94.2	94.2	94.4	94.6	94.8	95.2	95.2
	59.8	75.1	78.5	83.7	88.5	90.0	92.3	93.1	93.7	94.1	94.2	94.2	94.5	94.8	95.0	95.4	95.4
	59.8	75.1	78.5	83.7	88.5	90.0	92.3	93.1	94.0	94.7	95.4	95.7	95.8	96.2	96.3	96.9	97.4
	59.8	75.1	78.5	83.7	88.5	90.0	92.3	93.1	94.0	95.3	96.4	97.2	97.3	98.0	98.1	98.8	99.4
	59.8	75.1	78.5	83.7	88.5	90.0	92.3	93.1	94.0	95.3	96.4	97.2	97.3	98.0	98.1	98.8	99.4

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.4	≥.4	≥.4	≥.4
NO CEILING	15.3	19.8	20.6	21.9	22.1	22.6	22.7	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.5
≥ 20000	18.6	24.0	24.8	25.8	26.4	27.0	27.2	27.5	27.5	27.5	27.7	27.7	27.7	27.7	27.7	28.0
≥ 18000	18.6	24.0	24.8	25.8	26.4	27.0	27.2	27.5	27.5	27.5	27.7	27.7	27.7	27.7	27.7	28.0
≥ 16000	18.6	24.0	24.8	25.8	26.4	27.0	27.2	27.5	27.5	27.5	27.7	27.7	27.7	27.7	27.7	28.0
≥ 14000	19.6	25.1	26.0	27.2	27.9	28.5	28.6	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.5
≥ 12000	21.1	26.8	27.8	29.0	29.8	30.4	30.8	30.9	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.4
≥ 10000	23.0	28.8	29.9	31.2	32.0	32.6	32.7	33.1	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.6
≥ 9000	23.2	29.6	30.7	32.1	33.0	33.6	33.7	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.6
≥ 8000	25.4	32.2	33.4	34.9	35.9	36.8	36.7	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.5
≥ 7000	26.4	33.3	34.7	36.0	37.0	37.7	37.8	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.8
≥ 6000	28.6	33.7	35.2	36.9	37.9	38.1	38.3	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	39.3
≥ 5000	28.6	33.7	35.2	36.9	37.9	38.1	38.3	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	39.3
≥ 4500	32.7	41.0	43.2	44.6	45.7	46.3	46.5	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.5
≥ 4000	35.7	44.6	47.4	49.0	50.4	51.1	51.4	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.3
≥ 3500	36.8	46.8	49.9	51.9	53.2	54.0	54.2	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	55.2
≥ 3000	39.9	51.1	54.8	57.3	59.1	60.1	60.6	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.6
≥ 2500	43.3	56.3	60.5	64.4	66.4	67.7	68.1	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.3
≥ 2000	48.3	62.9	67.0	71.4	73.5	75.2	75.7	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.9
≥ 1800	49.1	63.6	68.1	72.9	74.8	76.5	77.0	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.3
≥ 1500	51.4	66.9	71.9	76.4	79.1	81.5	82.2	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.7
≥ 1200	52.8	69.4	74.7	79.8	82.9	85.1	85.9	86.8	86.9	87.0	87.2	87.2	87.2	87.2	87.2	87.7
≥ 1000	52.7	70.2	75.3	80.9	83.7	86.7	87.7	88.9	89.3	89.3	89.5	89.5	89.5	89.5	89.5	90.0
≥ 900	52.8	70.9	75.7	81.4	84.4	87.4	88.4	89.8	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.9
≥ 800	53.0	70.6	75.8	81.7	84.9	87.9	89.0	90.4	90.7	90.9	91.4	91.4	91.4	91.4	91.4	91.9
≥ 700	53.0	70.6	76.0	82.1	85.3	88.4	89.8	91.2	91.6	91.9	92.5	92.5	92.5	92.5	92.5	93.0
≥ 600	53.0	70.9	76.7	83.2	86.7	89.8	91.1	92.6	93.1	93.5	94.2	94.2	94.2	94.2	94.2	94.7
≥ 500	53.0	70.9	76.7	83.2	86.7	89.8	91.4	93.1	93.7	94.1	94.9	94.9	94.9	94.9	94.9	95.4
≥ 400	53.0	70.9	76.7	83.6	87.4	91.0	93.0	95.1	95.8	96.2	97.2	97.2	97.2	97.2	97.2	97.7
≥ 300	53.0	70.9	76.7	83.6	87.7	91.5	93.5	95.7	96.8	97.4	98.5	98.5	98.5	98.5	98.5	99.0
≥ 200	53.0	70.9	76.7	83.6	87.7	91.5	93.5	95.7	96.8	97.4	98.5	98.5	98.5	98.5	98.5	99.0
≥ 100	53.0	70.9	76.7	83.6	87.7	91.5	93.5	95.7	96.8	97.4	98.5	98.5	98.5	98.5	98.5	99.0
≥ 0	53.0	70.9	76.7	83.6	87.7	91.5	93.5	95.7	96.8	97.4	98.5	98.5	98.5	98.5	98.5	99.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725207 NIAGARA FALLS NY

73-01

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	17.3	21.0	22.5	23.2	23.3	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 20000	20.9	25.3	26.8	27.5	27.7	27.8	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
≥ 18000	20.9	25.3	26.8	27.5	27.7	27.8	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
≥ 16000	21.2	25.7	27.3	28.0	28.1	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 14000	22.2	26.7	28.3	29.0	29.3	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
≥ 12000	23.8	29.0	30.6	31.5	31.7	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 10000	25.2	30.6	32.2	33.1	33.3	33.5	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 9000	25.9	31.9	33.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 8000	28.0	33.6	35.4	36.4	36.9	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 7000	28.9	34.3	36.2	37.2	37.7	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 6000	28.9	34.8	36.7	37.7	38.1	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 5000	30.7	37.2	39.1	40.1	40.6	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 4500	34.9	42.3	44.4	45.6	46.2	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 4000	37.8	45.6	47.8	49.1	49.8	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 3500	40.6	50.1	52.7	54.2	54.9	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 3000	44.3	55.1	58.0	59.8	60.7	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 2500	48.0	60.0	63.8	65.6	67.2	67.8	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2000	53.8	66.8	70.9	73.2	75.8	76.9	77.3	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 1800	54.0	67.9	71.7	74.1	76.7	77.8	78.1	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 1500	56.2	70.9	75.3	78.3	81.6	83.2	83.7	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200	57.2	72.3	76.8	80.2	84.1	85.9	86.8	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1000	57.9	73.1	78.0	81.5	85.8	87.8	89.0	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 900	57.7	73.7	79.0	82.7	87.3	89.3	90.4	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 800	57.9	74.1	79.8	83.7	88.0	90.6	91.9	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 700	57.9	74.3	80.2	84.3	88.8	91.6	93.0	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 600	57.9	74.3	80.2	84.4	89.0	92.1	93.5	94.4	94.9	95.1	95.2	95.4	95.4	95.4	95.4	95.4
≥ 500	57.9	74.3	80.2	84.7	89.4	92.7	94.3	95.0	95.9	96.0	96.3	96.3	96.3	96.3	96.3	96.3
≥ 400	57.9	74.3	80.4	84.8	89.8	93.5	95.3	96.7	97.3	97.7	98.1	98.4	98.4	98.4	98.4	98.4
≥ 300	57.9	74.3	80.4	84.8	89.9	93.6	95.6	96.9	97.7	98.0	98.5	98.8	98.9	98.9	98.9	98.9
≥ 200	57.9	74.3	80.4	84.8	89.9	93.6	95.6	96.9	97.7	98.0	98.5	98.8	98.9	98.9	98.9	98.9
≥ 100	57.9	74.3	80.4	84.8	89.9	93.6	95.6	96.9	97.7	98.0	98.5	98.8	98.9	98.9	98.9	98.9
≥ 0	57.9	74.3	80.4	84.8	89.9	93.6	95.6	96.9	97.7	98.0	98.5	98.8	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 310

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	19.4	22.2	23.2	24.1	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
≥ 20000	24.0	28.0	29.0	30.1	30.7	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
IV 18000	24.1	28.3	29.3	30.4	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
IV 16000	24.3	28.6	29.6	30.7	31.4	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
IV 14000	25.2	29.5	30.5	31.6	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 12000	25.4	30.0	31.1	32.2	32.8	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
IV 10000	26.5	31.5	32.6	33.7	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IV 9000	26.9	31.9	33.0	34.1	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
IV 8000	28.5	33.7	34.9	36.2	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV 7000	29.3	34.4	35.7	36.9	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 6000	29.6	35.3	36.7	37.9	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 5000	31.6	38.3	39.6	41.1	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 4500	36.7	44.2	45.6	47.3	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 4000	38.0	45.9	47.3	49.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 3500	41.7	50.5	52.1	54.4	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 3000	45.8	55.9	58.3	61.0	62.6	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 2500	51.6	63.0	65.6	68.8	70.6	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 2000	57.3	71.0	74.3	77.9	80.2	81.2	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1800	57.5	71.5	74.8	78.5	80.9	81.9	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1500	60.1	74.8	78.8	83.1	85.6	87.2	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1200	60.4	75.7	79.8	84.4	87.4	89.1	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	60.4	76.3	80.5	85.6	88.8	91.2	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 900	60.7	76.4	80.6	85.8	89.4	92.0	92.8	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2
IV 800	60.7	76.8	81.4	87.0	90.9	93.5	94.4	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9
IV 700	60.7	76.8	81.9	87.3	91.1	93.8	94.9	95.2	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6
IV 600	60.7	76.8	81.9	87.3	91.2	94.0	95.3	95.8	95.8	95.8	96.0	96.3	96.3	96.3	96.3	96.3
IV 500	60.7	77.2	82.0	87.8	91.7	94.4	95.8	96.4	96.4	96.4	96.9	97.2	97.2	97.2	97.2	97.2
IV 400	60.7	77.4	82.3	88.5	92.8	95.6	96.9	97.7	98.0	98.4	98.6	98.6	98.8	98.8	98.8	98.8
IV 300	60.7	77.4	82.3	88.5	92.8	95.6	96.9	97.7	98.1	98.8	99.1	99.1	99.4	99.4	99.4	99.4
IV 200	60.7	77.4	82.3	88.6	93.0	95.7	97.0	97.8	98.3	99.0	99.4	99.4	99.6	99.6	99.6	99.6
IV 100	60.7	77.4	82.3	88.6	93.0	95.7	97.0	97.8	98.3	99.0	99.5	99.5	99.9	99.9	99.9	99.9
IV 0	60.7	77.4	82.3	88.6	93.0	95.7	97.0	97.8	98.3	99.0	99.5	99.5	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	22.5	25.9	27.4	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.4	28.4
IV 20000	25.6	29.1	30.6	30.9	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.6	31.6
IV 18000	25.9	29.5	31.0	31.2	31.6	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.0	32.0
IV 16000	25.9	29.5	31.0	31.2	31.6	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.0	32.0
IV 14000	26.0	29.6	31.1	31.4	31.7	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.1	32.1
IV 12000	26.9	30.5	32.0	32.2	32.6	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.1	33.1
IV 10000	28.5	32.1	33.6	33.8	34.2	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.7	34.7
IV 9000	29.0	32.7	34.2	34.4	34.8	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.3	35.3
IV 8000	30.4	34.1	35.6	35.8	36.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.7	36.7
IV 7000	31.4	35.1	36.6	37.0	37.4	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.9	37.9
IV 6000	32.1	36.2	37.8	38.0	38.4	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.9	38.9
IV 5000	37.5	41.9	43.8	44.3	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2
IV 4500	44.1	49.3	51.2	51.9	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7
IV 4000	46.7	52.1	54.4	55.1	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0
IV 3500	50.1	56.2	58.4	59.0	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2
IV 3000	53.0	59.5	61.7	62.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.0
IV 2500	62.0	69.8	72.1	73.1	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4
IV 2000	68.5	77.0	79.9	81.1	82.1	82.6	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1
IV 1800	69.0	77.7	80.5	81.9	82.8	83.5	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1
IV 1500	70.6	80.6	83.7	85.3	86.5	87.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1
IV 1200	71.6	82.3	85.8	87.4	89.3	90.1	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.7	91.7
IV 1000	72.3	83.6	87.3	88.9	90.7	91.6	92.6	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3
IV 900	72.3	83.7	87.4	89.0	91.0	91.8	92.8	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6
IV 800	72.7	84.2	88.0	90.0	92.0	93.2	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9
IV 700	72.8	84.6	88.8	90.9	93.5	94.8	95.8	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5
IV 600	72.8	85.2	89.0	91.1	93.8	95.2	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
IV 500	73.0	85.3	89.1	91.2	94.0	95.3	96.4	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5
IV 400	73.0	85.6	89.6	92.0	94.7	96.3	97.4	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6
IV 300	73.0	85.8	89.8	92.1	94.8	96.4	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0
IV 200	73.0	85.8	89.8	92.1	94.8	96.4	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0
IV 100	73.0	85.8	89.8	92.1	94.8	96.4	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0
IV 0	73.0	85.8	89.8	92.1	94.8	96.4	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5-16	¾	≥0
NO CEILING	25.8	28.6	29.8	30.9	31.5	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7
≥ 2000	28.3	31.5	32.6	33.8	34.8	34.6	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.7	34.7	34.7
IV 18000	28.4	31.6	32.7	34.0	34.6	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8
IV 16000	28.4	31.6	32.7	34.0	34.6	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8
IV 14000	28.4	31.6	32.7	34.0	34.6	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.9	34.9
IV 12000	29.0	32.2	33.3	34.6	35.2	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.6	35.6
IV 10000	29.9	33.3	34.4	35.7	36.3	36.4	36.4	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.7	36.7
IV 9000	30.2	33.8	34.9	36.2	36.8	36.9	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.2	37.2
IV 8000	31.6	35.2	36.3	37.5	38.1	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.5	38.5
IV 7000	33.2	36.8	37.9	39.1	39.8	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.1	40.1
IV 6000	34.2	37.8	38.9	40.1	40.7	40.9	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.1	41.1
IV 5000	38.0	41.9	43.2	44.4	45.1	45.2	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.6	45.6
IV 4500	42.5	47.3	49.0	50.2	50.9	51.0	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.4	51.4
IV 4000	45.8	51.0	52.7	54.0	54.6	54.7	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	55.1	55.1
IV 3500	50.2	56.2	58.3	59.6	60.4	60.5	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.9	60.9
IV 3000	54.2	61.1	63.3	64.8	65.6	65.7	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.0
IV 2500	62.3	70.0	72.5	74.1	74.9	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.4	75.4
IV 2000	67.8	76.9	79.9	81.9	83.0	83.2	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.7	83.7
IV 1800	68.5	77.9	80.9	82.8	84.1	84.4	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9
IV 1500	70.0	80.1	83.3	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.4	88.4
IV 1200	70.9	81.5	84.9	87.5	88.9	89.8	90.1	90.2	90.4	90.4	90.6	90.6	90.6	90.6	90.7	90.7
IV 1000	71.9	82.7	86.3	89.1	90.7	91.4	92.1	92.3	92.5	92.5	92.7	92.7	92.7	92.7	92.8	92.8
IV 900	72.2	83.3	86.9	89.8	91.4	92.3	93.0	93.2	93.3	93.3	93.6	93.6	93.6	93.6	93.7	93.7
IV 800	72.5	83.7	87.7	90.6	92.5	93.7	94.9	94.7	94.8	94.9	95.2	95.2	95.2	95.2	95.3	95.3
IV 700	72.7	84.7	88.8	91.9	93.7	94.9	95.8	96.2	96.3	96.4	96.7	96.7	96.7	96.7	96.8	96.8
IV 600	72.7	84.8	89.0	92.2	94.1	95.3	96.2	96.7	96.8	96.9	97.2	97.2	97.2	97.2	97.3	97.3
IV 500	72.7	84.9	89.3	92.5	94.3	95.6	96.7	97.2	97.4	97.5	97.9	97.9	97.9	97.9	98.0	98.0
IV 400	72.7	84.9	89.3	92.5	94.3	95.8	97.0	97.5	97.8	97.9	98.2	98.2	98.2	98.2	98.3	98.3
IV 300	72.7	84.9	89.4	92.6	94.4	95.9	97.2	97.7	97.9	98.0	98.4	98.4	98.4	98.4	98.5	98.5
IV 200	72.7	84.9	89.4	92.6	94.4	96.2	97.5	97.9	98.1	98.1	98.6	98.6	98.6	98.6	98.8	98.8
IV 100	72.7	84.9	89.4	92.6	94.4	96.3	97.5	98.0	98.3	98.4	98.8	98.8	98.8	98.8	98.9	98.9
IV 0	72.7	84.9	89.4	92.6	94.4	96.3	97.5	98.0	98.3	98.4	98.8	98.8	98.8	98.8	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

MM

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥¾	≥¾	≥0
NO CEILING	20.8	24.4	25.4	26.3	26.7	27.0	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
IV 20000	23.6	27.7	28.8	29.8	30.2	30.5	30.6	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	31.1
IV 18000	23.7	27.8	28.9	29.8	30.3	30.6	30.7	30.8	30.8	30.8	30.9	30.9	30.9	31.0	31.0	31.2
IV 16000	23.8	28.0	29.1	30.0	30.5	30.8	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.4
IV 14000	24.2	28.4	29.5	30.4	30.9	31.2	31.3	31.4	31.4	31.5	31.5	31.5	31.6	31.6	31.6	31.9
IV 12000	25.0	29.9	30.8	31.9	32.0	32.3	32.3	32.3	32.4	32.4	32.7	32.7	32.7	32.7	32.7	33.0
IV 10000	26.4	30.9	32.1	33.1	33.6	33.9	34.0	34.1	34.2	34.2	34.3	34.3	34.3	34.3	34.4	34.6
IV 9000	26.8	31.5	32.7	33.7	34.3	34.4	34.7	34.8	34.8	34.8	34.9	34.9	34.9	35.0	35.0	35.2
IV 8000	28.9	33.7	35.0	36.0	36.6	36.9	37.0	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.4	37.6
IV 7000	29.7	34.6	35.9	36.9	37.5	37.6	37.9	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.3	38.5
IV 6000	30.3	35.3	36.7	37.7	38.3	38.6	38.8	38.8	38.9	38.9	39.0	39.0	39.0	39.0	39.1	39.3
IV 5000	33.4	39.2	40.8	41.9	42.5	42.9	43.0	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.4	43.6
IV 4500	38.1	44.6	46.4	47.7	48.3	48.7	48.9	49.0	49.1	49.1	49.2	49.2	49.2	49.2	49.3	49.5
IV 4000	40.8	48.0	49.9	51.3	52.1	52.5	52.7	52.8	52.8	52.9	52.9	52.9	52.9	53.0	53.1	53.3
IV 3500	44.4	52.3	54.5	56.0	56.9	57.3	57.5	57.7	57.7	57.8	57.8	57.9	57.9	57.9	58.0	58.2
IV 3000	48.3	57.3	59.8	61.5	62.7	63.2	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.9	64.0	64.1
IV 2500	54.1	64.2	67.0	69.1	70.5	71.1	71.4	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.9	72.1
IV 2000	59.5	71.1	74.9	76.8	78.5	79.2	79.5	79.8	80.2	80.3	80.4	80.4	80.4	80.4	80.5	80.6
IV 1800	60.2	71.9	75.2	77.7	79.5	80.4	80.9	81.2	81.3	81.3	81.4	81.4	81.5	81.5	81.5	81.7
IV 1500	62.5	75.2	78.8	81.4	83.7	84.8	85.5	85.9	86.0	86.1	86.2	86.2	86.2	86.2	86.3	86.5
IV 1200	63.4	76.8	80.5	83.6	86.0	87.3	88.1	88.6	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.3
IV 1000	63.9	77.6	81.6	85.0	87.6	89.1	90.1	90.6	90.8	90.8	90.9	91.0	91.0	91.1	91.1	91.3
IV 900	64.0	77.9	81.9	85.4	88.1	89.7	90.7	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.7	92.0
IV 800	64.2	78.3	82.6	86.3	89.1	90.8	91.8	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	93.0
IV 700	64.4	78.8	83.2	87.0	90.0	91.8	93.0	93.7	93.9	94.1	94.3	94.3	94.4	94.4	94.4	94.7
IV 600	64.5	79.0	83.5	87.5	90.5	92.5	93.7	94.5	94.7	94.9	95.2	95.2	95.3	95.3	95.3	95.6
IV 500	64.6	79.1	83.8	87.7	90.8	92.8	94.2	95.1	95.4	95.7	96.0	96.0	96.1	96.1	96.2	96.4
IV 400	64.7	79.3	84.1	88.0	91.3	93.5	95.0	96.0	96.3	96.6	97.0	97.0	97.1	97.1	97.2	97.5
IV 300	64.8	79.5	84.4	88.1	91.5	93.8	95.3	96.3	96.6	97.0	97.4	97.4	97.5	97.5	97.6	97.9
IV 200	64.8	79.5	84.4	88.1	91.5	93.7	95.2	96.2	96.5	96.9	97.3	97.3	97.4	97.4	97.5	97.8
IV 100	64.8	79.5	84.4	88.1	91.5	93.7	95.2	96.2	96.5	96.9	97.3	97.3	97.4	97.4	97.5	97.8
IV 0	64.8	79.5	84.4	88.1	91.5	93.7	95.2	96.2	96.5	96.9	97.3	97.3	97.4	97.4	97.5	97.8

TOTAL NUMBER OF OBSERVATIONS: 6480

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
MST-117

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	25/16	¾	≥0
NO CEILING	20.4	23.2	23.4	23.5	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 20000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 18000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 16000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 14000	21.6	24.4	24.6	24.7	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
N 12000	22.0	24.9	25.1	25.2	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
N 10000	24.3	27.1	27.4	27.5	27.7	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
N 9000	24.6	27.5	27.7	27.8	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
N 8000	25.3	28.4	28.7	28.8	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
N 7000	25.6	28.7	29.0	29.2	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
N 6000	26.5	29.4	30.0	30.1	30.3	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
N 5000	29.5	32.6	33.0	33.1	33.3	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
N 4500	32.5	36.1	36.7	36.8	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
N 4000	34.2	38.0	38.9	39.1	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
N 3500	37.0	41.9	43.1	43.2	43.7	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
N 3000	42.7	47.1	48.4	48.5	49.0	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
N 2500	46.1	52.1	54.1	54.7	55.3	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
N 2000	55.2	63.5	66.8	68.7	69.9	70.5	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
N 1800	55.3	64.0	67.8	69.7	71.0	71.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
N 1500	60.3	71.4	74.8	77.7	79.4	80.5	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
N 1200	61.8	72.9	76.2	79.5	81.6	82.4	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
N 1000	62.8	75.4	79.2	82.4	84.5	85.5	87.9	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
N 900	63.3	76.3	80.2	83.9	86.4	87.7	89.7	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
N 800	63.3	76.7	80.4	84.4	87.4	88.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
N 700	63.3	76.8	80.9	84.9	88.3	89.7	92.8	92.7	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
N 600	63.3	76.8	80.9	85.1	88.4	89.8	92.8	92.3	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3
N 500	63.8	77.2	81.2	85.4	89.4	90.6	93.2	93.3	94.9	95.5	95.9	95.9	95.9	95.9	95.9	95.9
N 400	63.5	77.7	82.0	86.1	89.7	91.3	93.3	93.3	95.1	95.8	97.3	97.3	97.3	97.3	97.3	97.3
N 300	64.0	77.8	82.1	86.4	90.0	91.8	94.4	94.4	96.8	96.7	97.4	98.0	98.0	98.1	98.1	98.1
N 200	64.0	77.8	82.1	86.4	90.0	91.8	94.4	94.4	96.8	96.7	97.4	98.0	98.0	98.1	98.1	98.1
N 100	64.0	77.8	82.1	86.4	90.0	91.8	94.4	94.4	96.8	96.7	97.4	98.0	98.0	98.1	98.1	98.1
N 0	64.0	77.8	82.1	86.4	90.0	91.8	94.4	94.4	96.8	96.7	97.4	98.0	98.0	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 237

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIARARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	21.3	23.5	23.8	23.8	23.8	23.9	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
IV 2000	23.5	25.9	26.2	26.2	26.2	26.3	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 1800	23.5	25.9	26.2	26.2	26.2	26.3	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 1600	23.5	25.9	26.2	26.2	26.2	26.3	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 1400	23.7	26.0	26.3	26.3	26.3	26.4	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
IV 1200	26.2	28.9	29.2	29.2	29.2	29.3	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
IV 1000	26.3	29.0	29.3	29.3	29.3	29.4	29.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
IV 900	26.3	29.0	29.3	29.3	29.3	29.4	29.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
IV 800	27.5	30.2	30.5	30.5	30.5	30.6	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
IV 700	28.0	30.8	31.1	31.1	31.1	31.2	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 600	29.4	32.3	32.5	32.5	32.5	32.6	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 500	32.0	34.8	35.1	35.1	35.1	35.2	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
IV 450	35.0	39.3	39.7	39.7	39.7	39.8	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 400	37.0	41.8	42.2	42.2	42.2	42.3	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 350	41.2	45.0	46.4	46.4	46.4	46.5	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 300	46.4	51.4	52.7	52.7	52.7	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 2500	49.0	56.9	58.3	58.3	58.3	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 2000	55.9	63.4	65.8	65.8	65.8	66.0	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 1800	60.5	71.9	74.9	74.9	74.9	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 1500	61.0	74.0	77.2	77.2	77.2	77.6	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 1200	62.0	75.3	78.9	78.9	78.9	79.4	80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 1000	62.0	75.3	78.9	78.9	78.9	79.4	80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 900	63.1	77.4	80.8	80.8	80.8	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 800	63.1	77.4	80.8	80.8	80.8	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 700	63.1	77.4	80.8	80.8	80.8	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 600	63.1	77.4	80.8	80.8	80.8	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 500	63.1	77.4	80.8	80.8	80.8	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 400	63.1	77.4	80.8	80.8	80.8	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 300	63.1	77.4	80.8	80.8	80.8	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 200	63.1	77.4	80.8	80.8	80.8	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 100	63.1	77.4	80.8	80.8	80.8	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 0	63.1	77.4	80.8	80.8	80.8	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7

TOTAL NUMBER OF OBSERVATIONS 522

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0400-0400

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	26	25	24	23	22½	22	21½	21¼	21	2¾	2¾	2¼	25/16	2¼	20	
NO CEILING	19.0	20.6	21.0	21.3	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	22.1	22.2
≥ 20000	20.8	22.7	22.9	23.2	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	24.0	24.1
≥ 18000	20.9	22.8	23.1	23.3	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	24.1	24.3
≥ 16000	21.0	22.9	23.2	23.4	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	24.3	24.4
≥ 14000	21.6	23.9	24.1	24.4	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.2	25.3
≥ 12000	22.0	24.4	24.6	24.9	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.7	25.8
≥ 10000	23.3	25.9	26.2	26.6	27.0	27.0	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.5	27.7
≥ 9000	23.8	26.4	26.6	27.0	27.5	27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	28.0	28.2
≥ 8000	25.1	28.0	28.3	28.7	29.2	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.6	29.9
≥ 7000	26.0	29.0	29.4	29.7	30.2	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.8	31.1
≥ 6000	26.8	30.0	30.3	30.7	31.2	31.2	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.8	32.0
≥ 5000	29.2	32.6	33.0	33.3	33.9	33.9	33.9	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.5	34.8
≥ 4500	33.8	38.4	38.8	39.3	39.9	39.9	39.9	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.5	40.7
≥ 4000	34.8	39.8	40.4	41.0	41.6	41.6	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.2	42.4
≥ 3500	36.9	42.8	43.4	44.2	44.8	44.8	44.8	44.8	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.6	45.9
≥ 3000	40.3	47.1	47.9	48.7	49.7	49.7	49.7	49.7	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.5	50.8
≥ 2500	44.0	53.4	54.7	56.0	57.2	57.2	57.2	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.1	58.3
≥ 2000	49.1	61.1	63.3	64.9	66.3	66.3	66.3	66.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.6	67.9
≥ 1800	49.6	62.0	64.5	66.1	67.6	67.6	67.6	67.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	69.2
≥ 1500	53.3	68.6	72.4	74.6	76.8	77.2	77.2	77.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.5	78.8
≥ 1200	54.0	70.4	74.6	77.2	79.8	80.2	80.2	80.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.5	81.8
≥ 1000	54.5	71.7	76.1	79.1	81.7	82.6	82.6	82.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	84.2
≥ 900	55.1	72.6	77.2	80.2	83.2	83.6	83.6	83.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.9	85.2
≥ 800	55.3	73.2	78.0	81.2	84.2	84.6	84.6	84.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.9	86.2
≥ 700	55.6	73.8	78.3	81.7	84.8	85.4	85.4	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.7	87.0
≥ 600	55.8	74.4	78.8	82.2	85.3	85.8	85.8	85.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1	87.4
≥ 500	55.8	74.2	79.2	83.6	86.4	86.8	86.8	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.1	88.4
≥ 400	55.9	74.3	79.7	83.6	87.2	87.6	87.6	87.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.9	89.2
≥ 300	55.9	74.4	79.8	84.8	87.6	88.0	88.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.6
≥ 200	55.9	74.4	79.8	84.8	87.6	88.0	88.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.6
≥ 100	55.9	74.4	79.8	84.8	87.6	88.0	88.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.6
0	55.9	74.4	79.8	84.8	87.6	88.0	88.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.6

TOTAL NUMBER OF OBSERVATIONS 437

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0800-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	15.2	17.1	17.5	17.6	17.7	18.1	18.2	18.2	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.6
IV 18000	17.1	20.1	20.5	20.6	20.7	21.1	21.3	21.3	21.8	21.9	21.8	21.9	21.9	21.9	21.7	22.0
IV 16000	17.2	20.2	20.6	20.7	20.8	21.2	21.4	21.4	21.9	21.9	21.7	21.7	21.7	21.7	21.8	22.1
IV 14000	17.9	20.9	21.3	21.4	21.5	21.9	22.1	22.1	22.2	22.2	22.4	22.4	22.4	22.4	22.5	22.8
IV 12000	19.1	22.1	22.6	22.7	23.0	23.3	23.6	23.6	23.7	23.7	23.8	23.8	23.8	23.8	23.9	24.3
IV 10000	21.3	24.4	24.9	25.0	25.4	25.7	26.2	26.2	26.3	26.3	26.4	26.4	26.4	26.4	26.6	26.9
IV 9000	22.0	25.2	26.0	26.2	26.6	26.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	28.1
IV 8000	23.8	27.9	28.8	29.2	29.8	30.1	30.4	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.2	31.6
IV 7000	24.6	29.2	30.1	30.5	31.1	31.5	31.9	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.5	32.9
IV 6000	25.0	29.5	30.5	30.9	31.5	31.8	32.2	32.5	32.7	32.7	32.8	32.8	32.8	32.8	32.9	33.3
IV 5000	26.9	32.3	33.3	33.8	34.7	35.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.4	36.0
IV 4500	28.2	34.9	36.1	36.6	37.7	38.0	38.0	39.0	39.1	39.1	39.4	39.4	39.4	39.4	39.5	39.8
IV 4000	29.1	36.6	38.2	39.0	40.3	40.7	41.8	41.7	42.0	42.0	42.2	42.2	42.2	42.2	42.3	42.7
IV 3500	31.0	38.5	39.8	40.9	42.3	42.8	44.0	44.4	44.6	44.7	45.0	45.0	45.0	45.0	45.1	45.5
IV 3000	33.4	42.3	43.5	45.2	46.6	47.5	48.7	49.0	49.3	49.3	49.6	49.6	49.6	49.6	49.8	50.1
IV 2500	36.5	47.8	49.8	52.0	54.3	55.0	56.2	56.6	56.8	56.9	57.3	57.3	57.3	57.3	57.4	57.8
IV 2000	39.7	52.9	55.9	58.6	61.5	62.9	64.8	65.1	65.3	65.4	65.8	65.8	65.8	65.8	66.0	66.4
IV 1800	40.6	54.3	57.4	60.8	63.9	65.8	67.8	67.8	67.8	68.1	68.4	68.4	68.4	68.4	68.5	68.9
IV 1500	42.6	57.8	61.7	66.1	70.2	72.2	74.3	74.3	74.3	74.3	74.8	74.8	74.8	74.8	74.9	75.3
IV 1200	43.2	59.2	63.5	68.1	72.3	75.2	77.5	78.6	79.7	80.4	81.3	81.3	81.3	81.3	81.7	82.1
IV 1000	43.7	60.8	65.3	70.1	74.4	78.1	81.7	82.5	83.1	83.2	84.2	84.2	84.2	84.2	84.4	84.8
IV 900	43.9	61.4	65.9	70.7	75.2	78.9	82.2	83.3	83.5	83.5	84.6	84.6	84.6	84.6	84.8	85.2
IV 800	44.7	61.7	66.3	71.7	76.4	80.0	83.3	84.5	84.7	84.8	86.0	86.0	86.0	86.0	86.2	86.6
IV 700	44.2	62.1	66.6	71.7	76.4	81.0	84.8	86.0	86.2	86.2	87.5	87.5	87.5	87.5	87.7	88.1
IV 600	44.7	62.3	67.0	72.0	77.0	81.5	85.1	87.0	87.2	87.2	88.6	88.6	88.6	88.6	88.8	89.2
IV 500	44.2	62.3	67.1	72.2	77.0	82.3	86.0	88.0	88.0	88.0	91.0	91.0	91.0	91.0	91.2	91.6
IV 400	44.3	62.3	67.1	72.2	77.0	82.3	86.0	88.0	88.0	88.0	92.1	92.1	92.1	92.1	92.3	92.7
IV 300	44.2	62.3	67.1	72.2	77.0	82.3	86.0	88.0	88.0	88.0	92.6	92.6	92.6	92.6	92.8	93.2
IV 200	44.2	62.3	67.1	72.2	77.0	82.3	86.0	88.0	88.0	88.0	92.6	92.6	92.6	92.6	92.8	93.2
IV 100	44.2	62.3	67.1	72.2	77.0	82.3	86.0	88.0	88.0	88.0	92.6	92.6	92.6	92.6	92.8	93.2
IV 0	44.2	62.3	67.1	72.2	77.0	82.3	86.0	88.0	88.0	88.0	92.6	92.6	92.6	92.6	92.8	93.2

TOTAL NUMBER OF OBSERVATIONS: 224

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1600  
TIME (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	17.1	19.6	19.7	19.8	20.0	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
≥ 20000	21.0	23.7	23.8	23.9	24.0	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
≥ 18000	21.0	23.7	23.8	23.9	24.0	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
≥ 16000	21.0	23.7	23.8	23.9	24.0	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
≥ 14000	21.6	24.3	24.4	24.5	24.6	24.7	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
≥ 12000	22.8	25.6	25.7	25.8	25.9	26.0	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 10000	24.0	27.2	27.4	27.5	27.6	27.7	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
≥ 9000	25.2	28.4	28.6	29.0	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 8000	27.0	30.7	31.1	31.3	31.4	31.5	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 7000	27.7	31.4	31.8	32.1	32.3	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 6000	28.2	32.0	32.4	32.7	32.9	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 5000	30.1	34.4	34.9	35.4	35.6	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 4500	31.4	36.2	36.6	37.3	37.6	37.9	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 4000	33.1	38.1	39.2	40.1	40.7	41.0	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 3500	35.5	41.1	42.2	43.2	44.1	44.3	44.6	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 3000	38.2	44.1	45.5	46.6	47.5	47.7	48.1	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 2500	42.7	51.1	53.0	55.3	56.6	57.0	57.5	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 2000	46.2	56.8	59.6	62.7	65.1	66.7	67.6	68.1	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8
≥ 1800	47.0	57.7	60.8	63.9	66.4	68.1	69.1	69.5	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1500	50.2	62.0	66.1	70.5	73.5	75.7	77.1	77.7	78.1	78.5	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1200	50.5	63.1	67.4	72.0	75.3	79.3	81.1	82.2	82.6	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1000	50.7	64.0	69.7	73.6	77.8	82.5	85.7	86.3	87.1	87.6	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	50.7	64.0	69.7	73.7	78.0	82.9	85.3	86.9	88.1	88.6	88.9	89.0	89.0	89.1	89.2	89.5
≥ 800	50.8	64.1	69.8	74.2	78.6	83.6	86.0	87.6	88.8	89.3	89.6	89.7	89.7	89.8	89.9	90.1
≥ 700	50.8	64.2	69.9	74.4	78.9	84.0	86.7	88.3	89.7	90.8	91.4	91.8	92.0	92.2	92.4	92.7
≥ 600	50.8	64.3	69.9	74.6	79.2	84.7	87.7	89.3	90.7	92.0	92.8	93.2	93.5	93.8	94.0	94.3
≥ 500	50.8	64.4	69.9	74.8	79.5	85.3	88.5	90.1	91.5	93.1	94.0	94.5	94.8	95.1	95.4	95.7
≥ 400	50.8	64.5	69.9	75.0	79.8	85.8	89.2	90.9	92.4	94.1	95.0	95.5	95.8	96.1	96.4	96.7
≥ 300	50.8	64.6	69.9	75.2	79.9	86.0	89.5	91.3	92.7	94.6	95.5	96.0	96.3	96.6	96.9	97.2
≥ 200	50.8	64.6	69.9	75.3	79.9	86.0	89.5	91.3	92.7	94.6	95.5	96.0	96.3	96.6	96.9	97.2
≥ 100	50.8	64.6	69.9	75.3	79.9	86.0	89.5	91.3	92.7	94.6	95.5	96.0	96.3	96.6	96.9	97.2
≥ 0	50.8	64.6	69.9	75.3	79.9	86.0	89.5	91.3	92.7	94.6	95.5	96.0	96.3	96.6	96.9	97.2

TOTAL NUMBER OF OBSERVATIONS 227

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	16.7	19.1	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 20000	19.4	22.3	22.7	22.8	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IVN 18000	19.4	22.3	22.7	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IVN 16000	19.4	22.5	22.8	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
IVN 14000	20.4	23.4	23.8	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IVN 12000	21.5	24.5	24.9	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
IVN 10000	22.9	26.2	26.5	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
IVN 9000	24.5	28.0	28.4	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IVN 8000	26.4	30.2	30.7	30.9	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
IVN 7000	27.4	31.2	31.7	31.9	32.1	32.1	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IVN 6000	27.8	31.7	32.1	32.4	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
IVN 5000	29.9	34.1	34.5	35.0	35.4	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IVN 4500	32.1	36.7	37.2	38.0	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IVN 4000	33.1	38.8	39.1	39.5	40.3	40.3	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IVN 3500	35.4	41.4	42.7	43.8	44.3	44.4	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IVN 3000	39.2	45.3	47.0	48.3	48.9	49.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IVN 2500	42.9	51.6	54.8	56.8	57.2	57.8	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IVN 2000	45.8	54.3	60.2	63.3	65.0	65.9	67.3	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IVN 1800	46.5	57.5	61.6	65.0	66.8	67.7	69.1	69.3	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9
IVN 1500	50.2	62.4	67.5	71.4	73.3	75.7	77.5	78.0	78.6	78.9	79.2	79.2	79.2	79.2	79.2	79.2
IVN 1200	51.0	63.9	69.2	73.4	76.2	79.1	81.6	82.7	83.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5
IVN 1000	51.7	65.8	71.2	75.7	79.1	82.2	85.3	86.4	87.5	87.9	88.4	88.4	88.4	88.4	88.4	88.4
IVN 900	51.7	65.8	71.2	75.9	79.2	82.8	86.1	87.2	88.3	88.9	89.6	89.6	89.7	89.7	89.7	89.7
IVN 800	51.9	66.1	71.7	76.3	80.2	83.5	87.3	88.8	89.7	90.4	91.4	91.8	91.8	91.8	91.8	91.8
IVN 700	51.9	66.1	71.7	76.6	80.6	84.6	88.2	89.4	90.8	91.8	92.7	92.8	93.1	93.2	93.2	93.2
IVN 600	51.9	66.1	71.7	76.8	81.8	85.8	89.8	89.8	91.3	92.5	93.7	93.9	94.1	94.5	94.5	94.5
IVN 500	51.9	66.1	71.7	76.8	81.8	85.8	89.8	90.2	91.6	92.8	94.0	94.4	94.6	95.0	95.3	95.6
IVN 400	51.9	66.1	71.7	77.1	81.8	85.7	89.8	90.8	92.7	93.8	95.3	95.7	95.9	96.3	97.0	97.3
IVN 300	51.9	66.1	71.7	77.1	81.8	85.7	89.8	91.0	93.3	94.7	96.3	97.1	97.6	98.2	98.7	98.9
IVN 200	51.9	66.1	71.7	77.1	81.8	85.7	89.8	91.0	93.3	94.9	96.8	97.6	98.1	98.8	99.3	99.8
IVN 100	51.9	66.1	71.7	77.1	81.8	85.7	89.8	91.0	93.4	94.9	96.8	97.7	98.2	99.0	99.8	99.8
IVN 0	51.9	66.1	71.7	77.1	81.8	85.7	89.8	91.0	93.4	94.9	96.8	97.7	98.2	99.0	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	17.0	20.2	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
IV 20	21.7	24.2	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
IV 18000	21.7	24.2	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
IV 16000	21.7	24.2	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
IV 14000	22.2	24.7	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
IV 12000	23.5	26.1	26.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 10000	24.8	27.5	27.8	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
IV 9000	25.6	28.4	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 8000	27.5	30.3	30.5	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
IV 7000	28.4	31.3	31.5	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV 6000	28.7	31.6	31.9	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
IV 5000	31.4	34.5	34.7	34.9	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
IV 4500	33.7	37.0	37.2	37.4	37.6	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
IV 4000	34.7	38.7	38.9	39.0	39.3	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 3500	38.0	43.1	43.4	43.5	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 3000	41.8	48.0	48.3	48.4	49.1	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 2500	47.4	55.7	56.3	57.0	58.0	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2000	53.1	63.1	64.6	66.1	67.8	68.5	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 1800	54.9	65.6	67.5	69.1	70.8	71.5	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 1500	59.4	71.7	74.1	76.2	78.0	78.9	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 1200	60.2	73.3	75.9	78.4	80.2	81.6	82.6	83.1	83.2	83.5	83.5	83.5	83.6	83.6	83.6	83.6
IV 1000	61.3	74.7	78.0	80.7	82.8	84.6	85.9	86.6	87.1	87.3	87.3	87.3	87.4	87.4	87.4	87.4
IV 900	61.4	75.1	78.3	81.1	83.1	85.1	86.5	87.3	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.1
IV 800	61.9	75.7	79.3	82.0	84.6	87.1	88.5	89.6	90.1	90.3	90.4	90.4	90.5	90.5	90.5	90.5
IV 700	62.0	76.8	80.5	83.7	86.3	89.3	90.8	92.0	92.8	93.2	93.4	93.4	93.7	93.7	93.7	93.7
IV 600	62.0	76.6	80.6	83.8	86.5	89.5	91.1	92.5	93.3	93.7	94.0	94.3	94.6	94.6	94.7	94.7
IV 500	62.0	76.9	81.0	84.3	87.2	90.5	92.2	93.5	94.4	94.7	95.3	95.7	96.0	96.0	96.2	96.6
IV 400	62.0	77.0	81.1	84.4	87.3	90.8	92.7	94.0	94.9	95.3	95.7	96.0	96.4	96.8	96.8	97.4
IV 300	62.0	77.1	81.2	84.6	87.5	90.9	93.2	94.6	95.6	96.2	97.1	97.6	98.1	98.1	98.2	98.7
IV 200	62.0	77.1	81.2	84.6	87.5	90.9	93.2	94.6	95.6	96.4	97.4	97.8	98.6	98.8	99.2	99.6
IV 100	62.0	77.1	81.2	84.6	87.5	90.9	93.2	94.6	95.6	96.4	97.5	98.1	98.8	99.0	99.4	99.9
IV 0	62.0	77.1	81.2	84.6	87.5	90.9	93.2	94.6	95.6	96.4	97.5	98.1	98.8	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS, NY

73-81

DEC

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	¾	¾	¾	¾	≥0
NO CEILING	20.5	22.3	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 20000	22.7	24.5	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
IV 18000	22.6	24.6	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
IV 16000	22.6	24.6	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
IV 14000	22.6	24.6	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
IV 12000	23.3	25.1	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
IV 10000	24.6	26.4	27.0	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 9000	24.9	26.7	27.3	27.3	27.3	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
IV 8000	25.6	27.4	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
IV 7000	25.9	27.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 6000	26.5	28.5	29.1	29.1	29.1	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
IV 5000	30.3	32.5	33.1	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 4500	33.9	36.2	36.8	36.8	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
IV 4000	34.3	37.5	38.1	38.1	38.1	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 3500	37.3	40.8	41.4	41.4	41.4	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 3000	41.7	45.7	46.3	46.3	46.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 2500	47.5	54.2	55.0	55.0	55.0	56.6	56.6	56.6	56.6	56.6	57.1	57.1	57.1	57.1	57.1	57.1
IV 2000	53.5	62.8	63.3	63.3	63.3	65.5	65.5	65.5	65.5	65.5	68.1	68.1	68.1	68.1	68.1	68.1
IV 1800	54.2	64.1	65.6	65.6	65.6	68.3	68.3	68.3	68.3	68.3	69.7	69.7	69.7	69.7	69.7	69.7
IV 1500	59.3	70.6	72.5	72.5	72.5	76.5	76.5	76.5	76.5	76.5	78.7	78.7	78.7	78.7	78.7	78.7
IV 1200	60.7	73.1	75.2	75.2	75.2	79.9	79.9	79.9	79.9	79.9	82.0	82.0	82.0	82.0	82.0	82.0
IV 1000	61.2	74.3	76.6	76.6	76.6	81.8	81.8	81.8	81.8	81.8	85.3	85.3	85.3	85.3	85.3	85.3
IV 900	61.3	75.2	77.6	77.6	77.6	82.7	82.7	82.7	82.7	82.7	86.6	86.6	86.6	86.6	86.6	86.6
IV 800	61.5	75.9	78.7	78.7	78.7	84.2	84.2	84.2	84.2	84.2	88.7	88.7	88.7	88.7	88.7	88.7
IV 700	61.6	76.1	78.9	78.9	78.9	85.3	85.3	85.3	85.3	85.3	89.0	89.0	89.0	89.0	89.0	89.0
IV 600	61.6	76.3	79.0	79.0	79.0	85.5	85.5	85.5	85.5	85.5	89.6	89.6	89.6	89.6	89.6	89.6
IV 500	61.6	76.5	79.3	79.3	79.3	86.1	86.1	86.1	86.1	86.1	90.6	90.6	90.6	90.6	90.6	90.6
IV 400	61.6	76.6	79.7	79.7	79.7	86.9	86.9	86.9	86.9	86.9	92.1	92.1	92.1	92.1	92.1	92.1
IV 300	61.6	76.6	79.7	79.7	79.7	87.1	87.1	87.1	87.1	87.1	93.9	93.9	93.9	93.9	93.9	93.9
IV 200	61.6	76.6	79.7	79.7	79.7	87.1	87.1	87.1	87.1	87.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 100	61.6	76.6	79.7	79.7	79.7	87.1	87.1	87.1	87.1	87.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 0	61.6	76.6	79.7	79.7	79.7	87.1	87.1	87.1	87.1	87.1	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS 838

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥¼	≥.	≥0
NO CEILING	18.5	20.7	21.0	21.1	21.2	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.5
IV 20000	21.0	23.5	23.8	23.9	24.0	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.3	24.3
IV 18000	21.0	23.5	23.8	23.9	24.0	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.3	24.4
IV 16000	21.0	23.5	23.8	23.9	24.0	24.1	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.9
IV 14000	21.5	24.0	24.3	24.4	24.6	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
IV 12000	22.3	24.9	25.2	25.3	25.5	25.6	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.8	25.8
IV 10000	23.9	26.7	27.0	27.1	27.3	27.4	27.5	27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.7
IV 9000	24.6	27.5	27.8	28.0	28.2	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.5	28.6
IV 8000	26.1	29.2	29.6	29.8	30.0	30.1	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.4	30.4
IV 7000	26.7	29.9	30.4	30.6	30.8	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.2	31.2
IV 6000	27.4	30.7	31.1	31.3	31.5	31.6	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.9	32.0
IV 5000	29.9	33.5	33.9	34.2	34.5	34.6	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.9	34.9
IV 4500	32.6	36.8	37.4	37.7	38.1	38.3	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.7	38.7
IV 4000	34.0	38.6	39.4	39.8	40.3	40.4	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.9	41.0
IV 3500	36.7	41.9	42.8	43.3	44.0	44.2	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9
IV 3000	40.5	46.4	47.4	48.1	48.8	49.1	49.5	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.8	49.9
IV 2500	44.6	52.8	54.5	55.8	56.8	57.2	57.7	57.8	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.1
IV 2000	49.7	60.0	62.5	64.5	66.1	67.0	67.8	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.5
IV 1800	50.5	61.3	63.9	66.1	67.8	68.7	69.6	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.2	70.3
IV 1500	54.5	67.1	70.5	73.5	75.7	77.1	78.4	78.9	79.2	79.3	79.5	79.5	79.5	79.5	79.6	79.6
IV 1200	55.3	68.7	72.4	75.7	78.1	80.1	81.7	82.5	82.9	83.2	83.5	83.5	83.5	83.6	83.6	83.7
IV 1000	56.0	70.3	74.2	77.7	80.6	82.8	84.8	85.8	86.5	86.8	87.2	87.2	87.2	87.3	87.4	87.5
IV 900	56.3	70.9	74.8	78.5	81.5	83.9	86.0	87.0	87.7	88.1	88.5	88.5	88.6	88.6	88.7	88.8
IV 800	56.5	71.4	75.5	79.4	82.7	85.3	87.6	88.8	89.6	90.1	90.5	90.6	90.7	90.8	90.9	91.0
IV 700	56.5	71.6	75.8	79.9	83.6	86.2	88.6	89.9	90.9	91.6	92.1	92.2	92.3	92.4	92.5	92.7
IV 600	56.6	71.8	76.0	80.2	83.9	86.8	89.5	90.9	91.9	92.6	93.3	93.5	93.6	93.8	94.0	94.2
IV 500	56.6	72.0	76.3	80.6	84.4	87.5	90.3	91.8	92.9	93.9	94.8	95.1	95.3	95.5	95.7	96.0
IV 400	56.7	72.1	76.6	80.9	84.9	88.0	91.0	92.7	94.0	95.2	96.2	96.5	96.8	97.0	97.2	97.5
IV 300	56.7	72.2	76.6	81.0	85.0	88.2	91.4	93.2	94.7	95.9	97.1	97.5	97.9	98.1	98.4	98.7
IV 200	56.7	72.2	76.6	81.0	85.1	88.2	91.4	93.3	94.9	96.2	97.4	97.8	98.4	98.8	99.1	99.5
IV 100	56.7	72.2	76.6	81.0	85.1	88.2	91.4	93.3	95.0	96.3	97.6	98.1	98.6	99.1	99.5	99.9
IV 0	56.7	72.2	76.6	81.0	85.1	88.2	91.4	93.3	95.0	96.3	97.6	98.1	98.6	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6620

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0	
NO CEILING	28.3	33.8	35.2	36.3	37.1	37.6	37.9	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2
≥ 20000	31.4	37.5	39.1	40.5	41.4	42.0	42.3	42.4	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.7
≥ 18000	31.5	37.7	39.3	40.7	41.6	42.2	42.5	42.6	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.9
≥ 16000	31.7	37.9	39.5	41.0	41.9	42.5	42.7	42.9	42.9	43.0	43.0	43.0	43.0	43.1	43.1	43.1	43.2
≥ 14000	32.2	38.6	40.2	41.7	42.6	43.2	43.5	43.6	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.9	43.9
≥ 12000	33.1	39.8	41.5	43.1	44.1	44.7	45.0	45.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.4
≥ 10000	34.8	42.0	43.8	45.4	46.5	47.1	47.5	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.9	47.9
≥ 9000	35.3	42.7	44.5	46.2	47.3	48.0	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	36.5	44.3	46.2	48.0	49.2	49.9	50.2	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.7	50.7
≥ 7000	37.2	45.1	47.1	48.9	50.1	50.8	51.2	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.7
≥ 6000	37.8	45.9	48.0	49.9	51.1	51.8	52.2	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.7	52.7
≥ 5000	40.1	49.0	51.3	53.3	54.7	55.4	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.4
≥ 4500	42.6	52.4	54.8	57.1	58.6	59.4	59.9	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4
≥ 4000	44.4	54.7	57.3	59.7	61.3	62.2	62.7	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.4
≥ 3500	46.5	57.5	60.3	62.9	64.6	65.6	66.1	66.4	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8
≥ 3000	49.0	60.9	64.0	66.8	68.7	69.9	70.5	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.2
≥ 2500	52.2	65.3	68.7	71.9	74.0	75.3	76.0	76.3	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.8	76.8
≥ 2000	54.9	69.4	73.3	76.8	79.3	80.9	81.8	82.3	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.8	82.8
≥ 1800	55.4	70.2	74.1	77.7	80.3	81.9	82.8	83.3	83.5	83.6	83.7	83.7	83.7	83.7	83.8	83.8	83.9
≥ 1500	57.0	72.8	77.1	81.2	84.1	86.0	87.2	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.4	88.5	88.5
≥ 1200	57.4	73.7	78.2	82.4	85.6	87.7	89.0	89.7	90.0	90.2	90.4	90.5	90.5	90.5	90.5	90.6	90.6
≥ 1000	57.7	74.4	79.0	83.5	86.8	89.1	90.6	91.4	91.7	92.0	92.2	92.3	92.3	92.3	92.3	92.4	92.5
≥ 900	57.8	74.6	79.3	83.8	87.2	89.6	91.1	91.9	92.3	92.6	92.8	92.9	92.9	92.9	92.9	93.0	93.1
≥ 800	57.9	74.9	79.7	84.4	87.9	90.4	92.0	93.0	93.4	93.7	94.0	94.1	94.2	94.2	94.2	94.2	94.3
≥ 700	58.0	75.1	80.0	84.8	88.4	91.0	92.7	93.7	94.2	94.6	94.9	95.0	95.0	95.0	95.0	95.1	95.1
≥ 600	58.0	75.2	80.2	85.1	88.8	91.5	93.3	94.4	94.9	95.3	95.6	95.8	95.8	95.8	95.8	95.9	95.9
≥ 500	58.0	75.3	80.3	85.3	89.1	91.9	93.8	95.1	95.7	96.2	96.7	96.8	96.8	96.8	96.8	96.9	97.0
≥ 400	58.1	75.4	80.4	85.6	89.5	92.3	94.3	95.7	96.4	97.0	97.5	97.6	97.6	97.6	97.6	97.7	97.7
≥ 300	58.1	75.4	80.5	85.8	89.8	92.8	94.8	96.2	96.9	97.5	98.2	98.3	98.3	98.3	98.3	98.4	98.4
≥ 200	58.1	75.4	80.5	85.8	89.8	92.8	94.8	96.2	97.0	97.7	98.5	98.7	98.7	98.7	98.7	98.8	98.8
≥ 100	58.1	75.4	80.5	85.8	89.8	92.8	94.8	96.4	97.2	97.9	98.6	98.9	98.9	98.9	98.9	99.0	99.0
≥ 0	58.1	75.4	80.5	85.8	89.8	92.8	94.8	96.4	97.2	97.9	98.6	98.9	98.9	98.9	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 72867

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE  
DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY  
SIGNIFICANT.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

**725287**      **NIAGARA FALLS NY**      **73-81**      **JAN**  
STATION                              STATION NAME                              PERIOD                              MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
JAN	00-02	8.1			10.8							12.5	68.6	8.3	837
	03-05	8.9			11.8							13.4	65.9	8.2	834
	06-08	3.5			13.4							16.7	66.4	8.5	834
	09-11	1.0			15.0							23.8	60.2	8.6	835
	12-14	1.2			14.2							28.2	56.4	8.6	837
	15-17	1.4			13.9							24.1	60.6	8.6	835
	18-20	3.6			15.4							17.8	63.2	8.4	836
	21-23	6.8			13.3							14.1	65.8	8.2	836
<b>TOTALS</b>		<b>4.3</b>			<b>13.5</b>							<b>18.8</b>	<b>63.4</b>	<b>8.4</b>	<b>6684</b>

USAFETAC FORM 0-9.5 (01) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

725287

NIABARA FALLS NY

73-81

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	15.6			18.2						15.3	50.9	7.0	835
	03-05	14.9			15.6						16.4	53.2	7.3	835
	06-08	5.2			20.0						20.0	54.9	7.9	832
	09-11	5.0			19.0						23.6	52.4	7.9	836
	12-14	5.4			17.1						25.7	51.9	8.0	837
	15-17	5.1			15.7						28.2	51.0	8.1	837
	18-20	7.2			15.1						23.9	53.9	8.0	837
	21-23	13.6			15.8						17.6	53.0	7.4	837
<b>TOTALS</b>		<b>9.0</b>			<b>17.1</b>						<b>21.3</b>	<b>52.7</b>	<b>7.7</b>	<b>6686</b>





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C

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SKY COVER**

C

725287

NIAGARA FALLS NY

73-81

JUN

STATION

STATION NAME

PERIOD

MONTH

C

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

C

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
JUN	00-02	22.1			28.1							19.6	30.3	5.6	882
	03-05	15.2			28.1							25.6	31.2	6.3	798
	06-08	9.0			28.8							28.8	33.8	6.8	796
	09-11	5.6			31.6							30.8	32.1	6.9	792
	12-14	4.0			31.2							36.1	28.6	7.0	794
	15-17	6.0			31.8							34.6	27.6	6.8	884
	18-20	5.4			30.8							33.3	28.5	6.9	888
	21-23	11.8			34.4							25.7	28.1	6.2	886
TOTALS		9.9			38.6							29.6	30.0	6.6	6402

C

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

725287

NIAGARA FALLS NY

73-81

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
JUL	00-02	21.0			36.8							19.7	24.8	5.3	814
	03-05	15.9			35.9							21.9	26.4	5.7	819
	06-08	8.2			36.0							27.1	28.8	6.4	828
	09-11	7.2			36.0							30.6	28.1	6.6	829
	12-14	3.1			33.9							35.7	27.2	7.0	834
	15-17	4.1			37.8							34.8	23.6	6.6	833
	18-20	8.7			42.0							38.2	22.1	6.2	828
	21-23	12.8			41.3							24.3	21.9	5.6	826
TOTALS		9.7			36.9							28.0	25.4	6.2	6683











GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

725287

NIAGARA FALLS NY

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (E.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	4.3			13.5						18.8	63.4	8.4	6684
FEB		4.5			14.5						22.5	58.5	8.3	6088
MAR		9.0			17.1						21.3	52.7	7.7	6686
APR		13.1			20.9						22.2	43.9	7.0	6467
MAY		12.6			24.4						23.9	39.2	6.8	6671
JUN		9.9			30.6						29.6	30.0	6.6	6402
JUL		9.7			36.9						28.0	25.4	6.2	6603
AUG		9.3			29.3						30.2	31.3	6.7	6552
SEP		11.8			26.9						26.2	35.2	6.7	6412
OCT		11.5			20.6						25.9	42.1	7.2	6631
NOV		5.3			16.6						22.9	55.2	8.1	6427
DEC		3.3			14.0						19.1	63.6	8.5	6683
TOTALS		8.7			22.1						24.2	45.0	7.4	78306

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

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 ( $\Sigma X^2$ ), sums of values ( $\Sigma X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). 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.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 725287 NIAGARA FALLS NY

DAILY TEMPERATURES

51-64, 68-81

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
95									.1				.0
90					.3	2.2	5.3	3.5	1.7				1.1
85					2.6	11.5	28.3	18.2	6.5				5.6
80				1.1	9.1	34.1	59.1	40.9	15.9	1.6			14.0
75			.3	4.7	21.4	57.9	83.3	77.8	34.1	7.1	.3		23.6
70			1.1	12.5	36.8	79.0	96.7	93.5	56.4	18.7	1.2		32.6
65			2.7	20.4	55.8	91.7	99.7	99.3	77.2	34.7	4.9		40.0
60		.4	5.6	34.7	73.4	97.3	100.0	99.9	91.3	52.3	13.9	1.4	47.0
55	.4	1.8	11.6	50.1	85.9	98.9		100.0	98.1	69.9	25.4	4.3	53.3
50	3.3	4.1	19.1	65.0	95.2	100.0			99.9	84.3	41.1	7.3	59.4
45	7.5	10.2	30.4	81.1	99.1				100.0	94.6	57.6	15.4	65.9
40	14.8	19.4	46.6	91.7	99.9					98.7	75.7	28.2	72.6
35	33.4	40.2	67.7	97.2	100.0					100.0	91.1	51.6	81.6
30	51.4	61.7	86.2	99.0							97.6	73.2	89.0
25	70.5	76.7	94.8	99.6							99.3	86.6	93.9
20	84.7	88.4	98.7	100.0							99.9	95.0	97.2
15	94.4	94.4	99.9								100.0	99.0	99.0
10	98.3	98.4	100.0									99.8	99.7
5	99.7	99.7										100.0	100.0
0	100.0	100.0											100.0
MEAN	29.9	31.8	40.2	54.8	66.0	75.6	80.5	79.0	71.1	60.0	47.3	33.2	56.0
S. D.	9.883	10.234	10.843	11.447	9.897	7.714	5.830	5.999	8.467	9.709	10.138	9.879	20.260
TOTAL OBS.	763	679	744	720	744	738	753	713	690	747	760	806	8857

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 725287 NIAGARA FALLS NY  
 STATION STATION NAME

**DAILY TEMPERATURES**

51-64, 68-81

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
75								.6					.0
70						.9	8.0	8.4	2.3				1.6
65					.9	12.1	30.8	28.5	10.3	.3			6.8
60				.3	4.7	32.8	64.3	56.8	23.0	2.0			15.2
55				2.1	14.9	58.3	87.8	82.5	40.7	9.4	1.4		24.5
50			.1	6.4	30.4	80.4	99.2	95.5	68.9	22.5	5.0	.1	33.4
45		.4	2.0	15.3	54.6	95.5	100.0	99.9	83.0	42.6	12.4	1.4	41.8
40	.4	1.0	4.6	31.0	79.7	99.7		100.0	95.7	65.9	25.4	3.1	50.0
35	4.1	4.4	13.2	56.2	94.4	99.9			99.1	85.4	47.9	10.3	59.1
33	7.2	8.2	19.6	66.1	97.4	100.0			99.7	90.8	58.7	18.0	63.8
30	13.6	17.8	33.9	80.3	99.6				100.0	96.5	72.2	29.2	69.9
25	27.5	31.4	58.5	94.2	100.0					99.9	89.9	50.0	79.1
20	42.2	48.5	78.6	98.5						100.0	96.7	66.7	85.0
15	60.0	63.3	90.1	99.4							98.2	81.4	91.0
10	78.0	76.0	96.1	100.0							99.3	90.9	93.1
5	89.9	90.0	98.5								99.7	96.4	97.9
0	96.2	96.2	99.7								99.9	99.0	99.3
-5	98.7	99.1	99.9								100.0	99.9	99.8
-10	99.9	99.7	100.0									100.0	100.0
-20	100.0	100.0											100.0
MEAN	17.5	18.3	25.8	36.1	45.9	55.9	61.4	60.4	53.0	43.2	34.5	23.4	39.8
S. D.	10.195	10.638	8.589	8.054	7.687	6.840	5.539	6.256	8.318	8.018	8.658	9.778	17.473
TOTAL OBS.	763	679	744	720	744	738	753	713	690	747	760	806	8837



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**EXTREME VALUES**  
 MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725287 NIAGARA FALLS NY 51-69, 68-81  
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						85	89	90	88	84	62	61	
52	53	52	67	73	78	91	93	90	92	79	67	58	93
53	56	59	67	64	84	92	91	93	96	81	68	57	96
54	48	61	63	75	80	87	90	87	85	80	69	47	90
55	48	49	61	76	87	88	94	93	89	79	65	51	94
56	38	50	50	67	80	90	89	87	85	77	73	57	90
57	52	60	70	83	79	93	87	89	85	73	63	61	93
58	42	48	61	78	82	82	87	88	83	79	70	46	88
59	52	45	55	75	85	88	90	93	93	78	70	49	93
60	39	47	65	78	82	87	88						
61										66	79	59	
62	* 41									80	64	60	
63	* 45	40	71	72	78	93	90	81	78	79	63	49	93
64	52	45	58	76	82	90	88						
68											57	51	
69	51	48	65	79	81	92	89	89	88	84	64	41	92
70	46	47	51	82	85	88	88	88	89	81	65	61	89
71	47	57	57	68	87	87	86	86	85	80	72	62	87
72	56	39	45	64	82	80	85	88	85	76	63	56	88
73	57	56	69	78	75	83	87	93	90	75	62	60	93
74	54	54	68	76	83	87	89	86	79	74	68	46	89
75	54	52	54	72	82	84	89	93	77	77	70	60	93
76	44	56	74	84	77	89	85	93	88	80	59	48	93
77	33	54	79	83	92	87	94	89	89	70	78	57	94
78	44	31	51	68	86	90	93	92	85	72	68	51	93
79	53	41	71	75	86	86	93	88	87	81	68	60	93
80	53	49	59	73	89	92	92	90	86	75	62	59	92
81	49	64	69	74	83	88	88	83	82	71	64	44	88
MEAN	48.7	50.2	62.5	74.7	82.7	88.1	89.4	89.1	86.3	77.6	66.8	54.3	91.5
S. D.	6.326	7.800	8.587	5.648	3.994	3.028	2.685	3.288	4.898	3.846	4.947	6.353	2.802
TOTAL OBS	763	679	744	720	744	738	783	713	690	747	760	806	8837

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725287 STATION NIAGARA FALLS NY 51-64, 68-81 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						53	52	45	34	31	-2	3	
52	3	7	16	29	35	46	54	48	41	23	4	12	3
53	8	8	8	28	38	45	46	49	38	32	27	9	8
54	-3	1	12	12	33	45	50	46	37	31	24	6	-3
55	2	-1	11	27	36	48	52	51	41	32	12	-4	-4
56	4	5	8	24	30	45	51	48	35	32	13	7	4
57	-16	8	17	23	30	41	49	46	30	29	17	9	-16
58	4	-3	22	24	32	37	52	45	40	28	7	3	-3
59	3	-1	8	28	31	45	50	48	36	30	14	8	-1
60	7	7	-8	27	33	44	49						
61										32	25	4	
62	*	1								29	23	-2	
63	-6	-5	5	26	29	46	51	49	32	32	24	1	* -6
64	3	5	17	18	39	41	57						
68											27	2	
69	0	6	14	21	36	43	51	49	42	27	21	-2	-2
70	-6	-3	12	23	29	44	52	54	42	32	25	4	-6
71	1	0	12	21	33	47	51	42	41	38	11	11	0
72	-2	-1	10	12	34	33	46	45	43	25	20	16	-2
73	7	-2	20	24	37	50	50	51	34	33	17	2	-2
74	6	-8	6	21	31	46	53	58	34	26	18	14	-8
75	8	6	11	19	37	44	50	49	39	25	29	6	6
76	-10	-6	9	22	32	41	53	45	37	25	8	0	-10
77	-10	2	19	17	36	41	50	47	45	32	21	1	-10
78	5	-4	2	23	29	42	51	54	39	29	19	5	-4
79	-1	-17	11	19	30	42	52	49	38	32	22	10	-17
80	8	-2	1	25	39	40	58	57	37	30	20	-8	-8
81	-8	-1	9	23	34	41	53	50	34	27	21	11	-8
MEAN	.6	.0	10.5	22.3	33.5	43.2	51.0	48.8	37.8	29.6	17.6	4.9	-4.0
S.D.	6.666	5.948	6.620	4.827	3.243	3.623	2.136	3.667	3.801	3.461	7.610	5.754	6.453
TOTAL OBS	763	679	744	720	744	738	783	713	690	747	760	806	8857

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 34 0-89-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

YEARS

JAN  
MONTH

PAGE 1

0800-0200  
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.S./W.S.	Dry Bulb	Wet Bulb	Dew Point							
54/ 53		.2	.1																		2	2	2	2				
52/ 51		.2																				2	2	2	2			
50/ 49			.1	.4																		4	4	3	1			
48/ 47		.1	.1	.1																		3	3	1	2			
46/ 45			.4				.1															4	4	2	1			
44/ 43			.4	.5	.4																	10	10	3	1			
42/ 41		.5	.2		.1	.1																8	8	5	1			
40/ 39	.5	.9	.5	.5	.1																	20	20	13	3			
38/ 37	1.1	2.0	.9	.1	.1																	34	34	23	20			
36/ 35	.5	3.5	1.5	.5	.1																	49	49	25	22			
34/ 33	.1	3.9	2.4	.1																		52	52	54	8			
32/ 31	2.0	3.5	.5																			48	48	71	51			
30/ 29	1.7	2.9	.6																			42	42	51	49			
28/ 27	.5	3.1	.6																			34	34	29	52			
26/ 25	.2	4.0	1.5																			46	49	35	36			
24/ 23	.1	3.5	.9	.5																		40	41	49	17			
22/ 21	1.8	1.2	1.2																			32	37	62	33			
20/ 19	2.4	8.3	.1																			87	89	57	53			
18/ 17	2.0	6.0	1.1																			73	74	81	35			
16/ 15	.6	4.0	.2																			39	46	56	64			
14/ 13	1.2	4.2	.1																			45	50	44	54			
12/ 11	1.6	2.2	.1																			32	34	47	54			
10/ 9	1.7	2.2	.2																			34	38	29	52			
8/ 7	.5	.9																				11	13	22	41			
6/ 5	.7	1.0																				14	18	18	34			
4/ 3	1.2	.4																				13	13	15	37			
2/ 1	.5	.6																				9	9	7	15			
0/ -1	.2																					2	2	4	26			
-2/ -3	.4																					3	3	3	12			
-4/ -5	.9																					7	7	7	5			
-6/ -7																									7			
-8/ -9	.4																					3	3	3	6			
-10/-11																									6			
-12/-13																									3			
Element (X)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ <sub>3</sub>	Σ <sub>4</sub>	Σ <sub>5</sub>	Σ <sub>6</sub>	Σ <sub>7</sub>	Σ <sub>8</sub>	Σ <sub>9</sub>	Σ <sub>10</sub>	Σ <sub>11</sub>	Σ <sub>12</sub>	Σ <sub>13</sub>	Σ <sub>14</sub>	Σ <sub>15</sub>	Σ <sub>16</sub>	Σ <sub>17</sub>	Σ <sub>18</sub>	Σ <sub>19</sub>	Σ <sub>20</sub>	Mean No. of Hours with Temperature							
Rel. Hum.																						≤ 6 F	≥ 28 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																												
Wet Bulb																												
Dew Point																												

FORM 020-3 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-81 JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0000-0200

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	
TOTAL	22.8	59.4	13.9	2.7	.9	.1	.1											803	836	803	803	
Element (X)	Σ 5021657		Σ 82667		Σ 76022.783		No. Obs.															
Rel. Hum.	537382		19126		228920.934		803		± 6 F		± 32 F		± 67 F		± 73 F		± 80 F		± 90 F		Total	
Dry Bulb	484148		17388		216710.453		803		1.7		72.0										93	
Wet Bulb	342978		13693		176131.884		803		2.2		77.8										93	
Dew Point									7.8		88.9										93	

USAFETAC FORM 0-26-5 (OLA) REVERSE REVISIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287

NIAGARA FALLS NY

73-81

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				
54/ 53		.5	.1															5	5	1					
52/ 51			.1															1	1	3	1				
50/ 49	.1	.4		.2														6	6	2	4				
48/ 47	.2			.1	.1	.1	.1											6	6	6	4				
46/ 45		.1	.5	.2	.4													10	10		3				
44/ 43			.2	.7	.4													11	11	5					
42/ 41		.7		.2														8	8	4	1				
40/ 39	.4	.6	.6	.4														16	16	15	7				
38/ 37	.5	1.5	.5		.1													21	21	21	12				
36/ 35	.2	2.6	.7	.4														32	32	23	15				
34/ 33	.1	4.4	2.0															52	52	40	10				
32/ 31	1.5	3.0	1.1															45	45	55	41				
30/ 29	2.0	3.6	1.1															54	54	61	49				
28/ 27	.9	1.7	.9															28	28	34	54				
26/ 25	.6	3.1	1.2															40	42	34	40				
24/ 23	1.2	2.2	1.2															38	40	39	21				
22/ 21	2.2	2.4	2.1															54	57	56	35				
20/ 19	2.9	5.1	.2															66	69	55	38				
18/ 17	2.4	6.9																76	76	76	40				
16/ 15	.2	3.7	1.0															40	41	54	66				
14/ 13	.9	4.0	.1															40	51	34	53				
12/ 11	2.6	3.2	.1															48	52	55	56				
10/ 9	.9	1.5	.2															21	25	33	55				
8/ 7	1.1	2.4																28	29	25	40				
6/ 5	1.2	.6																15	15	25	26				
4/ 3	1.1	.2																11	11	13	32				
2/ 1	1.4	.6																16	16	17	25				
0/ -1	.2																	2	2	2	28				
-2/ -3	.2																	2	2	2	15				
-4/ -5	.4																	3	3	3	9				
-6/ -7	.6																	5	5	5	7				
-8/ -9	.1																	1	1	1	5				
-10/-11	.2																	2	2	2	4				
-12/-13																					1				
Element (K)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ	Σ <sub>n</sub>	No. Obs.																Mean No. of Hours with Temperature				
Rel. Hum.																		≤ 6 F	≤ 32 F	≥ 67 F	71 F	≥ 80 F	≥ 92 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) AIR WEATHER SERVICE BRANCH OF THE POST OFFICE  
 USAFETAC JAN 64

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725267      NIAGARA FALLS NY      73-81      JAN  
 STATION      STATION NAME      YEARS      MONTH

PAGE 2      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															
-14/-15																					1															
-18/-19																					3															
TOTAL	26.7	55.3	14.4	2.4	1.0	.1	.1											801	834	801	801															

Element (X)	Z <sub>R</sub> <sup>1</sup>	Z <sub>R</sub>	X	° <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	5054747	62849	78.5	12.4	21	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	522518	18804	22.3	11.3	61	1.7	74.3					93
Wet Bulb	452178	16942	21.2	10.8	30	1.7	79.1					93
Dew Point	338824	13322	16.8	11.9	51	8.5	86.4					93

USAFETAC FORM 0-26-5 (O.L.A.) REVISION 1-65 (O.L.A.)

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287      NIAGARA FALLS NY      73-81      JAN  
STATION      STATION NAME      YEARS      MONTH  
PAGE 1      0600-0800  
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															
52/ 51		.4	.1		.1																												5	5	
50/ 49		.1		.1	.4																												5	5	4
48/ 47	.1	.4	.2	.1	.5	.1																											12	12	2
46/ 45	.1	.1		.5	.2																												8	8	4
44/ 43	.1	.2	.5	.4																													10	10	8
42/ 41	.2	.7	.1																														9	9	4
40/ 39		1.1	.1																														10	10	18
38/ 37	.4	1.7	.5																														21	21	19
36/ 35	.5	2.2	.5	.2																													28	28	18
34/ 33	.7	3.7	1.1	.2																													47	47	39
32/ 31	1.5	3.4	1.1																														48	48	43
30/ 29	1.2	4.2	1.2																														54	54	52
28/ 27	1.2	2.5	1.0																														38	38	49
26/ 25	.2	3.5	1.0																														38	38	30
24/ 23	1.1	1.6	1.4																														33	35	42
22/ 21	1.7	4.2	1.4																														59	63	54
20/ 19	2.1	6.0	.1																														66	69	59
18/ 17	3.5	5.4	.6																														76	78	81
16/ 15	.2	3.9	.4																														36	42	45
14/ 13	1.0	3.4	.5																														39	48	40
12/ 11	2.1	2.6	.1																														39	43	46
10/ 9	.9	3.6																															36	37	40
8/ 7	1.6	1.0																															21	23	30
6/ 5	1.1	.9																															16	16	21
4/ 3	.6	.6																															10	10	9
2/ 1	1.2	.5																															14	14	16
0/ -1	1.0																																8	8	8
-2/ -3	.4	.1																															4	4	4
-4/ -5	.2																																2	2	2
-6/ -7	.7																																6	6	6
-8/ -9	.2																																2	2	2
-10/ -11	.2																																2	2	2
-12/ -13																																			
-14/ -15																																			
Element (X)	Σ X'	Σ X	X	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature											Total																		
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) AIR WEATHER SERVICE/USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

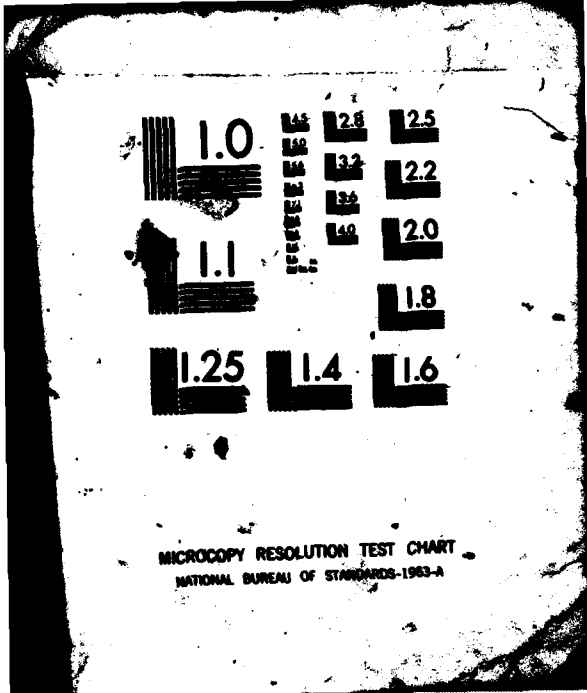
725287 STATION NIAGARA FALLS NY STATION NAME 73-81 YEARS JAN MONTH

PAGE 1 0900-1100 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															
54/ 53		.1				.1																										2	2		
52/ 51			.1			.2																										3	3	1	
50/ 49						.5																										4	4	1	
48/ 47		.2	.6	.4		.1	.2																									13	13	1	
47/ 45		.1	.4	.4																												7	7	4	
44/ 43	.1	.9	.5	.5																												16	16	4	
42/ 41		.7	.4																													9	9	13	
40/ 39	.1	.9	.5	.1																												13	13	21	
38/ 37	.5	2.5	1.1	.1																												34	34	16	
36/ 35	.5	3.3	.9	.4																												41	41	31	
34/ 33	.5	4.2	1.6	.2																												53	53	47	
32/ 31	1.2	2.8	1.2	.4																												46	46	51	
30/ 29	.9	3.3	1.5																													46	46	44	
28/ 27	1.2	3.1	1.5	.2																												49	49	47	
26/ 25	.1	3.3	1.7																													42	43	49	
24/ 23	.2	3.0	1.5																													38	39	39	
22/ 21	2.3	4.3	1.6																													67	71	64	
20/ 19	1.7	6.9	.9																													73	81	68	
18/ 17	1.5	4.9	.6																													57	60	72	
16/ 15	1.6	4.8	.4																													55	60	52	
14/ 13	.5	3.5	.1																													33	35	44	
12/ 11	1.1	2.8	.1																													33	34	36	
10/ 9	.4	.9																														10	11	26	
8/ 7	.9	1.7																														21	21	18	
6/ 5	1.0	.5																														12	12	19	
4/ 3	.5	.2																														6	6	6	
2/ 1	1.1	.7																														15	15	13	
0/ -1	.6	.1																														6	6	7	
-2/ -3																																			1
-4/ -5	.6																																5	5	5
-6/ -7	.1																																1	1	1
-8/ -9	.1																																1	1	1
-10/ -11																																			
-12/ -13																																			
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	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																																			

FORM NO. 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



















REGAL CLIMATOLOGY BRANCH  
 WWPSTAC  
 AIR WEATHER SERVICE/NAC

**PSYCHROMETRIC SUMMARY**

STATION NIAGARA FALLS, NY YEAR 1968 MONTH JAN

PAGE 1 2102-2000

Year (Y)	PSYCHROMETRIC DATA																				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	Wet Bulb	Wet Bulb	Wet Bulb	Wet Bulb			
50/ 49	0.2			0.2														2	2	2	2			
51/ 50		0.1		0.1														2	2	2	2			
52/ 51		0.1	0.1		0.1													2	2	2	2			
53/ 52		0.1	0.1	0.1														2	2	2	2			
54/ 53	0.1	0.1	0.1	0.1	0.1													2	2	2	2			
55/ 54	0.1	0.1	0.1	0.1	0.1	0.1												2	2	2	2			
56/ 55	0.1	0.1	0.1	0.1	0.1	0.1	0.1											2	2	2	2			
57/ 56	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1										2	2	2	2			
58/ 57	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1									2	2	2	2			
59/ 58	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1								2	2	2	2			
60/ 59	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							2	2	2	2			
61/ 60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1						2	2	2	2			
62/ 61	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1					2	2	2	2			
63/ 62	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				2	2	2	2			
64/ 63	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			2	2	2	2			
65/ 64	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		2	2	2	2			
66/ 65	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
67/ 66	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
68/ 67	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
69/ 68	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
70/ 69	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
71/ 70	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
72/ 71	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
73/ 72	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
74/ 73	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
75/ 74	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
76/ 75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
77/ 76	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
78/ 77	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
79/ 78	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
80/ 79	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
81/ 80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
82/ 81	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
83/ 82	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
84/ 83	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
85/ 84	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
86/ 85	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
87/ 86	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
88/ 87	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
89/ 88	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
90/ 89	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
91/ 90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
92/ 91	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
93/ 92	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
94/ 93	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
95/ 94	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
96/ 95	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
97/ 96	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
98/ 97	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
99/ 98	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			
00/ 99	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	2	2			





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287      NIAGARA FALLS NY      73-81      YEARS      JAN      MONTH  
 STATION      STATION NAME      PAGE 2      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
-10/-11	.2																			
-12/-13																				
-14/-15																				
-16/-17																				
-18/-19																				
<b>TOTAL</b>	19.45	7.12	8.6	3.6	1.0	.2	.0	.0										6688		6468

Station (S)	Wet Bulb	Dew Point	Wet Bulb	Dew Point	Wet Bulb	Dew Point	Wet Bulb	Dew Point	Wet Bulb	Dew Point	Total
725287	725287	725287	725287	725287	725287	725287	725287	725287	725287	725287	725287

1. 6-30-5 (O.L.A.)      2. 6-30-5 (O.L.A.)      3. 6-30-5 (O.L.A.)      4. 6-30-5 (O.L.A.)      5. 6-30-5 (O.L.A.)      6. 6-30-5 (O.L.A.)      7. 6-30-5 (O.L.A.)      8. 6-30-5 (O.L.A.)      9. 6-30-5 (O.L.A.)      10. 6-30-5 (O.L.A.)      11. 6-30-5 (O.L.A.)      12. 6-30-5 (O.L.A.)      13. 6-30-5 (O.L.A.)      14. 6-30-5 (O.L.A.)      15. 6-30-5 (O.L.A.)      16. 6-30-5 (O.L.A.)      17. 6-30-5 (O.L.A.)      18. 6-30-5 (O.L.A.)      19. 6-30-5 (O.L.A.)      20. 6-30-5 (O.L.A.)      21. 6-30-5 (O.L.A.)      22. 6-30-5 (O.L.A.)      23. 6-30-5 (O.L.A.)      24. 6-30-5 (O.L.A.)      25. 6-30-5 (O.L.A.)      26. 6-30-5 (O.L.A.)      27. 6-30-5 (O.L.A.)      28. 6-30-5 (O.L.A.)      29. 6-30-5 (O.L.A.)      30. 6-30-5 (O.L.A.)      31. 6-30-5 (O.L.A.)      32. 6-30-5 (O.L.A.)      33. 6-30-5 (O.L.A.)      34. 6-30-5 (O.L.A.)      35. 6-30-5 (O.L.A.)      36. 6-30-5 (O.L.A.)      37. 6-30-5 (O.L.A.)      38. 6-30-5 (O.L.A.)      39. 6-30-5 (O.L.A.)      40. 6-30-5 (O.L.A.)      41. 6-30-5 (O.L.A.)      42. 6-30-5 (O.L.A.)      43. 6-30-5 (O.L.A.)      44. 6-30-5 (O.L.A.)      45. 6-30-5 (O.L.A.)      46. 6-30-5 (O.L.A.)      47. 6-30-5 (O.L.A.)      48. 6-30-5 (O.L.A.)      49. 6-30-5 (O.L.A.)      50. 6-30-5 (O.L.A.)      51. 6-30-5 (O.L.A.)      52. 6-30-5 (O.L.A.)      53. 6-30-5 (O.L.A.)      54. 6-30-5 (O.L.A.)      55. 6-30-5 (O.L.A.)      56. 6-30-5 (O.L.A.)      57. 6-30-5 (O.L.A.)      58. 6-30-5 (O.L.A.)      59. 6-30-5 (O.L.A.)      60. 6-30-5 (O.L.A.)      61. 6-30-5 (O.L.A.)      62. 6-30-5 (O.L.A.)      63. 6-30-5 (O.L.A.)      64. 6-30-5 (O.L.A.)      65. 6-30-5 (O.L.A.)      66. 6-30-5 (O.L.A.)      67. 6-30-5 (O.L.A.)      68. 6-30-5 (O.L.A.)      69. 6-30-5 (O.L.A.)      70. 6-30-5 (O.L.A.)      71. 6-30-5 (O.L.A.)      72. 6-30-5 (O.L.A.)      73. 6-30-5 (O.L.A.)      74. 6-30-5 (O.L.A.)      75. 6-30-5 (O.L.A.)      76. 6-30-5 (O.L.A.)      77. 6-30-5 (O.L.A.)      78. 6-30-5 (O.L.A.)      79. 6-30-5 (O.L.A.)      80. 6-30-5 (O.L.A.)      81. 6-30-5 (O.L.A.)      82. 6-30-5 (O.L.A.)      83. 6-30-5 (O.L.A.)      84. 6-30-5 (O.L.A.)      85. 6-30-5 (O.L.A.)      86. 6-30-5 (O.L.A.)      87. 6-30-5 (O.L.A.)      88. 6-30-5 (O.L.A.)      89. 6-30-5 (O.L.A.)      90. 6-30-5 (O.L.A.)      91. 6-30-5 (O.L.A.)      92. 6-30-5 (O.L.A.)      93. 6-30-5 (O.L.A.)      94. 6-30-5 (O.L.A.)      95. 6-30-5 (O.L.A.)      96. 6-30-5 (O.L.A.)      97. 6-30-5 (O.L.A.)      98. 6-30-5 (O.L.A.)      99. 6-30-5 (O.L.A.)      100. 6-30-5 (O.L.A.)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEARS

YEARS

FEB  
 MONTH

PAGE 1 0000-0200  
 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															
56/ 55			.3																												2	2			
52/ 51			.1																												1	1	2		
50/ 49		.4																													3	3	1		
48/ 47		.7	.3																												7	7	6		
46/ 45		.7	.3	.1	.1																										9	9	3		
44/ 43		.1	.3	.5	.1																										8	8	7		
42/ 41		.3																													2	2	4		
40/ 39	.8	1.3	.7	.4																											20	20	13		
36/ 37	.9	2.5	.7																												31	31	22		
36/ 35	1.2	2.9	1.7	.1																											45	45	35		
34/ 33	.4	3.3	1.1	.1																											37	37	32		
32/ 31	.5	4.2	.4	.3																											41	41	50		
30/ 29	.5	4.0	1.1																												42	42	39		
28/ 27	.3	3.2	.9																												33	33	39		
26/ 25	.8	3.5	1.2																												57	57	40		
24/ 23	1.1	3.4																													34	34	67		
22/ 21	2.1	2.9	.7																												43	43	40		
20/ 19	1.4	4.9	.4																												51	51	25		
16/ 17	.4	4.5	.8																												43	43	48		
16/ 15	.4	4.9	.5																												44	44	54		
14/ 13	1.1	3.4	.1																												33	33	41		
12/ 11	.9	3.7	.3																												37	37	32		
10/ 9	.9	3.8	.4																												39	39	43		
8/ 7	.8	3.2																													30	30	38		
6/ 5	.8	1.3																													16	16	27		
4/ 3	1.1	1.4																													19	19	19		
2/ 1	.9	.4																													11	11	13		
0/ -1	.4																														3	3	3		
-2/ -3	.4																														1	1	1		
-4/ -5	.3	.1																													2	2	2		
-6/ -7	.2																														2	2	2		
-8/ -9	.1																														1	1	1		
-10/-11	.1																														1	1	1		
-12/-13	.1																														1	1	1		
Element (E)	Σ <sub>1</sub>		Σ <sub>2</sub>		Σ <sub>3</sub>	Σ <sub>4</sub>	No. Obs.		Mean No. of Hours with Temperature										Total																
Rel. Hum.									≤ 6 F	≤ 20 F	≤ 37 F	≤ 70 F	≤ 80 F	≤ 90 F																					
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 6-24-5 (OL A) REPRODUCED BY PERMISSION OF THE NATIONAL BUREAU OF METEOROLOGY  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2

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.S./W.S.	Dry Bulb	Wet Bulb	Dew Point				
-14/-15	.1																					1	1	1	2
-16/-17																									2
-18/-19																									2
-20/-21																									3
-24/-25																									1
<b>TOTAL</b>	<b>19.1</b>	<b>67.1</b>	<b>12.0</b>	<b>1.6</b>	<b>.3</b>																<b>759</b>	<b>759</b>	<b>759</b>	<b>759</b>	

Element (X)	1st	2nd	3rd	4th	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4661541	58821	77.5	21.659	759	< 60 F	60-69 F	70-79 F	80-89 F	90-99 F	> 99 F	
Dry Bulb	487869	17081	22.5	21.659	759	1.7	68.3					89
Wet Bulb	432000	18972	21.6	21.248	759	1.7	78.2					89
Dew Point	327869	12397	18.5	22.648	759	0.4	75.3					89

FORM 0-26-5 (O.L.A.) REPRODUCED BY THE U.S. AIR FORCE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725267  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEARS

FEB  
 MONTH

PAGE 1 0100-0800  
 FORM 1. 6. 73

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	P.A./W.S.	Dry Bulb	Wet Bulb	Dew Point				
54/ 53			.4															5	3						
50/ 49		.5	.4															7	7	3					
48/ 47		.5	.1															6	6	4	4				
46/ 45	.3			.1														5	3	9	8				
44/ 43	.1	.1	.1	.3														6	6	2	2				
42/ 41	.1	.3	.5	.1														6	6	3	2				
40/ 39	.3	.3	1.1	.4														10	10	7	5				
38/ 37	1.4	2.0	.8															20	20	19	11				
36/ 35	1.1	2.0	.8	.1														20	20	40	16				
34/ 33	1.2	3.4	1.3															45	45	34	20				
32/ 31	.5	4.0	2.1	.4														53	53	48	27				
30/ 29	.5	3.4	.8															26	26	40	26				
28/ 27	.3	3.4	.8															24	24	42	26				
26/ 25	1.6	4.1	.7															40	40	61	29				
24/ 23	.8	4.1	.7															42	42	58	26				
22/ 21	.9	2.4	.7															20	20	44	27				
20/ 19	2.0	4.9	.3															50	50	38	24				
18/ 17	1.4	4.2	.1															40	40	52	24				
16/ 15	1.1	4.7	.1															40	40	44	24				
14/ 13	.9	3.2	.1															22	22	39	21				
12/ 11	1.4	2.6																20	20	37	20				
10/ 9	.8	4.6																41	41	24	21				
8/ 7	.7	3.8	.3															24	24	24	21				
6/ 5	.7	1.7	.1															19	19	31	18				
4/ 3	.9	.8																13	13	19	11				
2/ 1	1.3	1.4																21	21	24	11				
0/ -1	.4																	3	3	3	11				
-2/ -3	.1																	3	3	5	11				
-4/ -5	.1																	1	1	1	11				
-6/ -7	.5																	2	2	1	11				
-8/ -9																		2	2	2	11				
-10/ -11																					11				
-12/ -13																					11				
-14/ -15	.1																	2	2	2	11				
Element (X)	25	21	1	4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
Dry Bulb																		59.7	59.7	59.7	59.7				
Wet Bulb																		50.7	50.7	50.7	50.7				
Dew Point																		40.7	40.7	40.7	40.7				

USAFETAC FORM 0-26-5 (OL A) REVISED SEPTEMBER 1968 USE PREVIOUS EDITIONS OF THIS FORM AND CIRCULAR



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/WAC

# PSYCHROMETRIC SUMMARY

725207 NIAGARA FALLS NY  
STATION STATION NAME

73-81  
YEAR

FEB  
MONTH

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FORM 1.1.70

WET BULB TEMPERATURE DEVIATION (%)

Temp. (F)	WET BULB TEMPERATURE DEVIATION (%)																				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	Sub./M.	Day	Nat	Low		
54/ 53			.2																				
52/ 51			.4																				
50/ 49		.1	.4																				
48/ 47	.1	.3			.1																		
46/ 45		.1	.1																				
44/ 43				.1																			
42/ 41	.3	.6	.5	.3	.1																		
40/ 39	.4	.7	.3																				
38/ 37	1.0	2.0	1.2	.3	.1																		
36/ 35	.3	2.1	1.3	.4																			
34/ 33	.7	2.0	1.3	.1																			
32/ 31	.9	1.8	1.6	.1																			
30/ 29	.9	1.8	1.1	.1																			
28/ 27	.9	2.0	1.1																				
26/ 25	.7	3.0	.7																				
24/ 23	.7	4.2	.8	.3																			
22/ 21	1.0	3.3	.1																				
20/ 19	2.2	4.7	.3																				
18/ 17	1.1	3.0																					
16/ 15	1.0	4.2																					
14/ 13	1.1	2.4	.1																				
12/ 11	.9	2.0																					
10/ 9	1.7	3.3																					
8/ 7	.4	2.0	.3																				
6/ 5	.6	1.4																					
4/ 3	1.2	1.7																					
2/ 1	1.3	.4																					
0/ -1	.7	.4																					
-2/ -3	.1	.3																					
-4/ -5	.2	.1																					
-6/ -7	.4																						
-8/ -9	.4																						
-10/ -11	.4																						
-12/ -13	.2																						

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/WAC  
725207 NIAGARA FALLS NY  
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GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/RAC

# PSYCHROMETRIC SUMMARY

722207

NIAGARA FALLS NY

75-01

FEB

PAGE 2

0900-1200

Temp. (°F)	DAILY WIND VELOCITY FREQUENCY (%)																				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.S./O.S.	W.D./W.S.	W.D./W.S.	W.D./W.S.			
747-15																								
747-17																								
747-19																								
TOTAL	17.2	207.0	228.7	6.9	2.8	.2												762		762				

Temp. (F)	WET BULB TEMPERATURE DIFFERENCE (F)													TOTAL No. Obs.	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	Day	Night
64/ 63					.1												1			
58/ 57			.3														1			1
56/ 55			.3														1			1
54/ 53	.3	.1	.3	.2	.5												11			11
52/ 51		.3	.3		.4												11			11
50/ 49	.1	.2	.4		.1				.3	.1							12			12
48/ 47		.3	.1	.1	.2				.1	.1							9			9
46/ 45	.1	.4	.1	.7	.2				.3	.1							16			16
44/ 43	.2	.7	.4	.4	.4				.1	.1							14			14
42/ 41	.4	.8	.6	.6	.3												22			22
40/ 39	.4	1.4	1.2	.7													22			22
38/ 37		2.0	.9	.7	.3												23			23
36/ 35	.3	1.8	2.2	1.4													19			19
34/ 33	.4	2.6	1.2	1.9													28			28
32/ 31	.3	2.2	3.2	2.6	.4												32			32
30/ 29	.2	1.8	2.6	.6													35			35
28/ 27	.1	2.8	2.6	.4													35			35
26/ 25	.1	2.6	2.8	.3													31			31
24/ 23	.1	2.0	2.7														31			31
22/ 21		2.7	2.2														41			41
20/ 19	1.4	2.5	.4														24			24
18/ 17	.2	2.2	.1														24			24
16/ 15	.2	3.2	1.6														25			25
14/ 13	.4	2.1	.4														27			27
12/ 11	.7	2.2	.2														31			31
10/ 9	.2	1.2															11			11
8/ 7		1.6															11			11
6/ 5		.8															11			11
4/ 3		.8															11			11
2/ 1		.6															11			11
0/ 0		.2															11			11
-2/ -2		.2															11			11
-4/ -4																	11			11



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AER WEATHER SERVICE/NAC

# PSYCHROMETRIC SUMMARY

73287 NIAGARA FALLS NY  
STATION STATION NAME

73-01  
YEAR

FEB  
MONTH

PAGE 1 1800-1700  
MOON (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	Wet Bulb	Wet Bulb	Wet Bulb	Dew Point					
64/ 63				.1														1	1							
62/ 61				.3														2	2							
60/ 59			.1															1	1							
58/ 57			.1															1	1							
56/ 55			.3	.3														0	0							
54/ 53			.1			.1												2	2		1					
52/ 51	.3		.1		.1													0	0		0					
50/ 49	.3	.4	.3	.1			.3											10	10		0					
48/ 47		.7	.1	.3	.1	.3												11	11		2					
46/ 45	.5	.3	.3	.5	.2													14	14	13	0					
44/ 43	.4	.4	.1	1.0	.2	.1												21	21	10	10					
42/ 41	.3	.6	1.2	1.3	.1													20	20	10	13					
40/ 39	.4	1.4	1.2	.8														27	27	10	7					
38/ 37	.5	1.4	1.3	1.4														34	34	30	13					
36/ 35	.4	2.2	1.4	.4	.1													40	40	40	17					
34/ 33	.1	3.0	2.4	1.0	.4													46	46	42	24					
32/ 31	.4	2.1	3.1	.9														50	50	52	34					
30/ 29	.3	1.6	3.0	.7														48	48	34	30					
28/ 27	.3	1.0	2.1	.4														38	38	52	24					
26/ 25	.3	3.0	2.4	.3														43	43	54	25					
24/ 23	.4	3.2	2.1															39	39	60	29					
22/ 21	.4	4.2	2.4															52	52	52	25					
20/ 19	1.4	5.3	1.8															61	61	54	29					
18/ 17	.4	3.7	.3															36	36	64	30					
16/ 15		3.8	.7															34	34	51	34					
14/ 13	.3	1.4	.3															10	14	24	25					
12/ 11	.3	2.4	.2															24	24	14	24					
10/ 9		3.0	.3															11	15	24	29					
8/ 7	.4	.7																4	6	14	28					
6/ 5	.2	.4																0	0	11	17					
4/ 3		.8																2	0	1	17					
2/ 1																		0	0	1	10					

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY 73-81 FEB 1968  
STATION MONTH

PAGE 2 1500-1700  
(FORM 11-5-71)

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																				TOTAL H./H.	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	Day	Sea	Low				
-4/-5																								10
-6/-7																								1
-8/-9																								2
-10/-11																								3
-12/-13																								1
<b>TOTAL</b>	8.550	8.820	9	9.6	1.0	.5	.3													762	762	762	762	

Station ID	City	State	Country	No. Obs.	Mean No. of Hours with Temperature						Total
					≤ 32°	32° - 40°	40° - 50°	50° - 60°	60° - 70°	≥ 70°	
725287	NIAGARA FALLS	NY	USA	762							762
725288	NIAGARA FALLS	NY	USA	762							762
725289	NIAGARA FALLS	NY	USA	762							762
725290	NIAGARA FALLS	NY	USA	762							762

USAFETAC FORM 8-58-5 (10-71) PREVIOUS EDITIONS OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

YEAR

FEB  
MONTH

PAGE 1

1800-2000  
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	21-23	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
58/ 57			.1															1	1								
56/ 55			.3															2	2								
54/ 53			.1															1	1	2							
52/ 51			.3															2	2	2	1						
50/ 49			.1	.1														2	2	2	2						
48/ 47		.7		.1														6	6	3	4						
46/ 45	.1	.9	.9	.1														13	13	7	5						
44/ 43	.3	.7	.3			.1												10	10	11	9						
42/ 41	.4	.9	.9	.1	.1													16	16	9	8						
40/ 39	.7	2.0	1.2	.7	.1													35	35	21	10						
38/ 37	1.3	2.2	1.3	.1	.1													39	39	30	17						
36/ 35	.9	2.8	.8	.4														34	34	29	28						
34/ 33	.8	3.8	1.8	.1														50	50	47	21						
32/ 31	.7	3.3	2.1	.1														47	47	44	44						
30/ 29	.1	3.0	1.4	.1														34	34	44	38						
28/ 27	.7	2.9	3.0	.3														49	49	39	25						
26/ 25	.1	3.3	.9		.1													34	34	41	34						
24/ 23	.1	4.2	.8															39	39	54	34						
22/ 21	.8	6.1	1.4															62	62	49	29						
20/ 19	1.2	6.7	1.7															72	72	54	38						
18/ 17	.8	4.1	1.3															47	47	59	33						
16/ 15	.9	4.8	.9															48	48	61	66						
14/ 13	.3	2.8	.1															24	24	38	47						
12/ 11	.3	2.6	.9															25	25	23	46						
10/ 9	.3	3.0	.3															27	27	29	41						
8/ 7	.8	1.4	.1															16	16	26	35						
6/ 5	.1	.9																8	8	18	20						
4/ 3	.1	.8																5	5	7	27						
2/ 1	.3	.4																5	5	8	20						
0/ -1	.9																	4	4	4	15						
-2/ -3	.1																	1	1	1	18						
-4/ -5																					14						
-6/ -7	.3																	2	2	2	5						
-8/ -9																					2						
Observer (S)																					Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 6 F	≤ 20 F	≤ 67 F	≤ 70 F	≤ 80 F	≤ 95 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

0-26.8 (0.1 A) SERIES APPROXIMATE OF THE FORM OF OBSERVATION  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2

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															
-10/-11																						7														
-12/-13																						1														
-16/-17																						1														
-18/-19																						1														
TOTAL	11.9	63.4	21.7	2.5	.4	.1												759	761	759	759															

Element (X)	2g	3g	4g	5g	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	436619	56725	74.712.788	789	759	= 67 F	= 70 F	= 73 F	= 76 F	= 79 F	= 82 F	Total
Dry Bulb	589374	19124	25.230481	761	761	0.0	60.7					64
Wet Bulb	497188	17724	23.418481	759	759	0.0	55.0					54
Dew Point	368011	13881	18.012081	759	759	7.3	73.3					54

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725267 NIAGARA FALLS NY  
STATION STATION NAME

73-81  
YEARS

FEB  
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
56/ 55			.3															2	2		
54/ 53			.1															1	1		
52/ 51																					3
50/ 49		.1	.3															3	3		3
48/ 47		.4	.1															4	4	3	2
46/ 45		.9																7	7	6	2
44/ 43	.5	.1	1.2	.1														15	15	9	6
42/ 41	.3	.5	.8	.1														13	13	8	9
40/ 39	.3	1.1	.1	.3														13	13	17	4
38/ 37	1.1	3.0	1.6	.3														45	45	18	16
36/ 35	1.4	3.7	1.2	.1														49	49	42	24
34/ 33	.5	3.4	.5															34	34	42	27
32/ 31	.7	3.6	1.6															44	44	47	42
30/ 29	.7	3.6	1.2	.1														42	42	42	28
28/ 27	.8	2.9	.7															33	33	37	39
26/ 25	.1	4.6	1.1															44	44	34	39
24/ 23	.4	5.0	.5															45	45	50	29
22/ 21	1.3	4.2	.4															45	45	50	24
20/ 19	1.4	5.7	1.1															62	62	41	44
18/ 17	.5	4.2	1.2															45	45	61	56
16/ 15	.8	4.3	.5															43	43	37	39
14/ 13	.3	3.8	.1															32	32	48	44
12/ 11	1.3	3.2																34	34	30	44
10/ 9	.9	4.8	.3															43	43	39	32
8/ 7	.4	2.0																18	18	38	47
6/ 5	.7	.9																12	12	16	22
4/ 3	.8	.9																13	13	14	38
2/ 1	.7	.4																8	8	11	27
0/ -1	.3																	2	2	2	12
-2/ -3	.3																	2	2	2	22
-4/ -5																					12
-6/ -7	.3																	2	2	2	8
-8/ -9	.4																	3	3	3	6
-10/-11	.1																	1	1	1	4

Element (K)	$2x^2$	$2x$	$x$	$x_2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

6  
2  
0

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FORM 0-26-S (O.L.A.) REVERSE REMAINS EMPLOYED OF THE FORM ARE OBSOLETE  
AS OF

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

FEB  
MONTH

PAGE 2

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														
-14/-15																							1												
-16/-17																							2												
-18/-19																							1												
-20/-21																							1												
-22/-23																							1												
TOTAL	17.1	67.1	14.8	1.1															759			759													
																			759																

Element (X)	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	4626287	58589	77.2	11.867	759	= 6 F	= 22 F	= 67 F	= 73 F	= 80 F	= 88 F	
Dry Bulb	517084	17872	23.9	31.267	759	1.1	63.4					84
Wet Bulb	489421	16723	22.0	30.958	759	1.1	67.8					84
Dew Point	350892	13100	17.3	22.831	759	7.7	73.8					84

USAFETAC FORM 44 0-26-5 (OL A) GENERAL SERVICE DIVISION OF THE FORMS AND DOCUMENTS CENTER

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725207 NIAGARA FALLS NY

73-81

FEB

STATION

STATION NAME

YEARS

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					
64/ 63				.0														2	2						
62/ 61				.0														2	2						
60/ 59			.0															1	1						
58/ 57			.1															4	4	2					
56/ 55			.2	.0														12	12	4					
54/ 53	.0	.0	.2	.0	.1	.0												27	27	6					
52/ 51	.0	.1	.2	.0	.2	.0												27	27	17					
50/ 49	.0	.3	.2	.0	.1	.0	.0											47	47	28					
48/ 47	.1	.5	.1	.1	.0	.1	.0											50	50	40					
46/ 45	.1	.4	.2	.2	.1	.0												71	71	60					
44/ 43	.2	.4	.4	.3	.1	.0												94	94	68					
42/ 41	.2	.5	.7	.3	.1													114	114	67					
40/ 39	.5	1.1	.9	.5	.0													180	180	130					
38/ 37	.9	2.4	1.1	.5	.1													304	304	200					
36/ 35	.8	2.4	1.4	.4	.0													385	385	267					
34/ 33	.6	3.3	1.4	.4	.0													353	353	318					
32/ 31	.6	3.6	2.1	.6	.0													419	419	373					
30/ 29	.5	2.9	1.7	.2														331	331	368					
28/ 27	.6	2.9	1.4	.2														310	310	350					
26/ 25	.5	4.7	1.4	.1														404	404	364					
24/ 23	.5	3.6	.9	.0														303	303	467					
22/ 21	1.0	3.8	1.1															382	382	360					
20/ 19	1.6	5.3	.8															460	460	362					
18/ 17	.8	4.0	.8															322	322	426					
16/ 15	.8	4.3	.4															330	337	388					
14/ 13	.4	2.9	.2															220	229	398					
12/ 11	.9	2.8	.2															230	239	395					
10/ 9	.7	3.4	.1															259	289	318					
8/ 7	.4	2.0	.1															153	183	285					
6/ 5	.4	1.1	.0															98	98	180					
4/ 3	.4	.9																93	94	184					
2/ 1	.6	.8																60	60	70					
0/ -1	.1	.1																24	24	28					
-2/ -3	.2	.0																10	10	22					
Element (X)	$\Sigma H^2$	$\Sigma X$	$\Sigma$	$\Sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 70 F	≤ 80 F	≤ 90 F														
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (O.L.A.) REPRODUCED BY PERMISSION OF THE NATIONAL BUREAU OF METEOROLOGY  
 USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

FORM (L. S. 7.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL No. of Obs.	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 -5	.1	.0																		10	10	10	121
-67 -7	.2																			10	10	10	45
-87 -9	.1																			7	7	7	27
-107 -11	.1																			4	4	4	31
-127 -13	.0																			1	1	1	9
-147 -15	.1																			5	5	5	9
-167 -17	.0																			2	2	2	13
-187 -19																							11
-207 -21																							6
-227 -23																							5
-247 -25																							1
-267 -27																							2
TOTAL	15.9	0.4	0.0	0.1	1.0	.2	.1													6077	6083	6077	6077

Element (E)	1	2	3	4	No. Obs.	Sign No. of Hours with Temperature					Total
Wet Bulb	209000	40000	70000000	6077	000	000	000	000	000	000	072
Dry Bulb	209000	40000	70000000	6077	000	000	000	000	000	000	072
Dew Point	209000	40000	70000000	6077	000	000	000	000	000	000	072

USAFETAC FORM 6-26-5 (OL-A) CHECK SERVICE DIVISION OF THE ARMY AIR CENTER

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

MAR

STATION STATION NAME

YEARS

MONTH

PAGE 1 0000-0200  
FORM U. S. V.

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	Wet Point			
62/ 61			.1															1	1					
60/ 59		.1		.1														2	2					
58/ 57			.1															1	2	2				
56/ 55		.4	.6	.4														11	13		2			
54/ 53		.1	.5	.1	.2	.1	.2											11	11	7	3			
52/ 51	.1	.1	.6	.4	.5	.5												10	10	8	2			
50/ 49		.4	.5	.4	.2	.1												13	13	10	6			
48/ 47		.7	1.2	.1														17	17	8	7			
46/ 45	.2	1.2	.9	.8	.1													24	24	20	13			
44/ 43		1.1	1.1	.2	.2													23	23	24	11			
42/ 41		1.7	1.2	.4														27	29	29	20			
40/ 39	.4	1.6	2.1	.1														30	37	28	16			
38/ 37	.9	1.7	.9	.7														30	30	30	39			
36/ 35	1.6	4.7	1.5	.6														68	71	46	39			
34/ 33	2.0	6.1	1.7															88	81	82	45			
32/ 31	.9	6.9	4.2	.2														99	103	68	62			
30/ 29	.7	7.1	3.6															93	93	68	74			
28/ 27	.5	2.8	2.1															66	64	87	49			
26/ 25	.3	3.6	1.3															46	47	61	69			
24/ 23	.5	2.6	1.3															36	36	43	46			
22/ 21	.4	3.9	.7															41	44	38	53			
20/ 19	1.0	2.9	1.1															41	41	48	56			
18/ 17	.2	.1	.5															7	7	38	35			
16/ 15	.1	.6	.2															6	6	13	46			
14/ 13	.2	.4																8	8	7	38			
12/ 11	.2	1.3																12	13	6	29			
10/ 9	.3	.7																18	18	14	13			
8/ 7	.2	.4																8	8	8	11			
6/ 5	.1																	1	1	2	11			
4/ 3	.1	.6																6	6	4	13			
2/ 1																				2	18			
0/ -1																					8			
-2/ -3																					1			
-4/ -5																					1			
Number (H)	5 <sup>th</sup>		5 <sup>th</sup>		5 <sup>th</sup>		5 <sup>th</sup>		5 <sup>th</sup>		5 <sup>th</sup>		5 <sup>th</sup>		5 <sup>th</sup>		5 <sup>th</sup>		5 <sup>th</sup>		5 <sup>th</sup>			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Wet Point																								

FORM 0-20-5 (01-A) REPLACES FORMS 0-20-5 (01-A) AND 0-20-5 (01-B)  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-01

MAR

STATION STATION NAME

YEAR

PAGE 2

FORM 8000-5000  
 USE L. 1. 13

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL No./Hrs.	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	0-01	By	Sub		Max	Sub	Min	Fair	
-6/ -7																									
-8/ -9																									
TOTAL	11	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

FORM 8000-5000 (10-71) GPO: 1973-5-553-300-0

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72207 NIAGARA FALLS NY  
STATION NUMBER LOCATION

72-01  
OFFICE

882  
DATE

PAGE 1 1200-0000  
TIME RANGE

Temp (°F)	WIND DIRECTION (°)																TOTAL P.A.W.S.	TOTAL P.A.W.S.			
	0	1-2	3-6	3-6	7-9	9-12	12-15	15-18	18-21	21-24	24-27	27-30	30-33	33-36	36-39	39-42		Day	Night	Max	Min
56/ 57		.1															2	0			
56/ 55		.4			.2												11	11			
56/ 53			.4			.2	.1										11	11			
52/ 51	.2	.1	.4		.4												20	24	11	0	
50/ 49	.4	.1	1.1		.4		.2										28	34	11	0	
48/ 47	.1	.4	.7														18	24	11	11	
46/ 45		1.1	.4		.4												21	24	11	11	
44/ 43		1.1	.4		.2												21	24	11	11	
42/ 41		1.1	1.1														24	24	11	11	
40/ 39	.4	.7	1.1														24	24	11	11	
38/ 37	.4	1.1	1.1														24	24	11	11	
36/ 35	1.1	2.2	1.1														24	24	11	11	
34/ 33	1.1	1.1	1.1														24	24	11	11	
32/ 31	2.2	7.4	2.0														18	24	11	11	
30/ 29	1.1	1.1	1.1														24	24	11	11	
28/ 27	.4	.4	1.1		.1												24	24	11	11	
26/ 25	.4	1.1	.4		.1												24	24	11	11	
24/ 23	1.1	1.1	1.1														24	24	11	11	
22/ 21	.4	1.1	1.1														24	24	11	11	
20/ 19	.4	1.1	1.1														24	24	11	11	
18/ 17	.4	1.1	.4														24	24	11	11	
16/ 15	.4	.4	.4														24	24	11	11	
14/ 13	.4	1.1	.4														24	24	11	11	
12/ 11	.4	.4	.4														24	24	11	11	
10/ 9	.4	.4	.4														24	24	11	11	
8/ 7	.4	.4	.4														24	24	11	11	
6/ 5	.4	.4	.4														24	24	11	11	
4/ 3	.4	.4	.4														24	24	11	11	
2/ 1	.4	.4	.4														24	24	11	11	
0/ 0																	24	24	11	11	
-2/ -1																	24	24	11	11	
-4/ -2																	24	24	11	11	
-6/ -4																	24	24	11	11	
-8/ -6																	24	24	11	11	
Sum																	24	24	11	11	
Max																	24	24	11	11	
Min																	24	24	11	11	
Wet																	24	24	11	11	
Dry																	24	24	11	11	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725207 NIAGARA FALLS NY  
STATION NAME

73-01  
YEAR

MAR  
MONTH

PAGE 2 0300-0800  
(GMT L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL P.S./M.S.	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
TOTAL	14.8	55.1	23.0	4.5	1.2	.5	.2											816	837	816	
Station ID																					
Wet Bulb																					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-63 (REV. 10-61)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY  
 STATION STATION NAME

73-81

YEAR

MAR

MONTH

PAGE 1 800-0000  
 0000 L.T.V.

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		0-31	Days	Hours
60/ 59																		1	0	0
58/ 57		.2	.1		.2	.1	.1											7	0	0
56/ 55																				
54/ 53	.2	.4	.2	.7														13	13	0
52/ 51	.1	.6	.4	.1	.1													18	18	0
50/ 49	.4	.2	.7	.4	.2													16	16	0
48/ 47		.5	.4		.4													16	17	0
46/ 45	.2	1.0	.1	.7	.2	.1												22	22	0
44/ 43	.2	.7	.7	.4														18	18	0
42/ 41		2.0	.7	.4	.2		.1											32	32	0
40/ 39	1.1	1.0	1.3	.1														32	32	0
38/ 37	1.3	2.0	1.7	.4														44	44	0
36/ 35	1.3	4.0	1.3	.4														47	47	0
34/ 33	2.1	6.0	.9	.2														79	79	0
32/ 31	1.3	8.1	2.4	.4														100	100	0
30/ 29	1.0	4.0	2.1															32	32	0
28/ 27	1.2	4.0	1.0	.2														37	37	0
26/ 25	1.1	4.7	1.1	.2														44	44	0
24/ 23	.1	3.1	1.2															37	37	0
22/ 21	.2	2.7	1.1															32	32	0
20/ 19	.4	3.0	.7															41	41	0
18/ 17	.6	1.5	.4															21	21	0
16/ 15	.4	1.1																12	12	0
14/ 13	.1	.4																6	6	0
12/ 11		.7																6	6	0
10/ 9	.1	.2																1	1	0
8/ 7	.2	.2																1	1	0
6/ 5	.6	.2																1	1	0
4/ 3	.7	.2																1	1	0
2/ 1	.2	.2																1	1	0
0/ -1																		0	0	0
-2/ -3																		0	0	0
-4/ -5																		0	0	0
-6/ -9																		0	0	0
Summ (D)	27																			
Max (D)																		1.2	1.2	0.2
Min (D)																		0.2	0.2	0.2
Max (H)																				
Min (H)																				
Max (M)																				
Min (M)																				

FORM 0-55 (M.A.) 1955 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

725207  
STATION

NIAGARA FALLS NY  
CUSTOM NAME

73-01  
YEAR

MAR  
MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE EXPOSURE (H)																					TOTAL P.H./H.S.	TOTAL		
	0	1-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	24-27	27-30	30-31	Day Bulb	Wet Bulb	Wet-Packet										
TOTL	15.3	57.2	20.4	0.9	1.6	.2	.4											517	637	617					
																			517	617					
<small>Wet Bulb Temperature Exposure (H)</small> 0-1: 0; 1-3: 15.3; 3-6: 57.2; 6-9: 20.4; 9-12: 0.9; 12-15: 1.6; 15-18: .2; 18-21: .4																									

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEAR

MAR  
 MONTH

PAGE 1 0900-1100  
(LOCAL T. 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
74/ 73							.3											1	1	
72/ 71							.1	.1										2	2	
70/ 69							.1											1	1	
68/ 67							.1	.1										2	2	
66/ 65				.1		.1												2	2	
64/ 63					.2													2	2	
62/ 61			.1			.1	.4											5	6	1
60/ 59			.1	.2	.1	.2												6	8	3
58/ 57		.1	.1	.4		.2	.1											8	9	4
56/ 55	.1	.4	.1	.5	.2	.2												13	15	8
54/ 53	.4	.5	.4	.5	.4	.4	.4											20	21	9
52/ 51		.5	.7	.5	.5	.5												23	24	10
50/ 49		.4	.4		.1	.4												19	19	11
48/ 47	.1	1.0	1.2	.4	.7													20	20	10
46/ 45	.4	.4	.5	1.3	.5	.1												26	29	21
44/ 43	.4	1.0	1.1	1.2	.2													26	29	21
42/ 41		2.4	1.5	.4	.5													39	39	20
40/ 39	.5	2.1	3.2	.4	.2													44	44	30
38/ 37	1.0	3.3	2.8	.4	.4													58	56	40
36/ 35	1.5	4.9	2.4	1.0	.1													64	67	52
34/ 33	1.1	4.9	1.3	1.0	.2													81	82	61
32/ 31	.7	3.3	3.1	1.1	.1													77	77	64
30/ 29	.4	1.0	4.5	.4														70	70	64
28/ 27	1.5	2.1	2.8															58	58	58
26/ 25	.1	1.1	1.8	.1														26	26	37
24/ 23		1.1	1.5															21	21	34
22/ 21	.2	1.3	1.2															23	23	39
20/ 19	.4	1.3	.4															17	17	36
18/ 17		1.1	.4															13	13	36
16/ 15	.2	1.1																11	11	36
14/ 13	.2	.4																5	5	36
12/ 11	.1	.2																3	3	36
10/ 9	.2	.4																3	3	36
8/ 7	.2																	1	1	36

FORM 0-20-6 (04-A) PREPARED BY THE AIR FORCE WEATHER CENTER  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-01

MAR

STATION

STATION NAME

YEAR

MONTH

PAGE 2 0900-1100

(LOCAL T. O. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL A.S./W.A.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-13	13-14	15-16	17-18	19-20	21-23	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
67 5		.2																2	2	2	0				
47 3		.1																1	1	1	0				
27 1																					2				
17 -1																					1				
-27 -3																					4				
-47 -5																					1				
TOTAL	9.838	3.852	1.111	0.6	2.0	1.3	.2											819	837	819					

Element (F)	W	S	M	N	No. Obs.	With No. of Hours with Temperature						Total		
	0-29	30-39	40-49	50-59	60-69	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	
Dry Bulb	2139	3000	2000	2000	01	0	0	0	0	0	0	0	0	73
Wet Bulb	1000	2000	2000	2000	01	0	0	0	0	0	0	0	0	73
Dew Point	1000	2000	2000	2000	01	0	0	0	0	0	0	0	0	73

FORM NO. 0-20-0 (10-64) (REPLACES FORMS 0-20-0 (10-64) AND 0-20-0 (10-64) WHICH WILL BE OBSOLETE)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY

73-81

YEARS

MAR

MONTH

PAGE 1 1200-1400  
 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				
76/ 77												.2	.1					3	3						
76/ 75												.1						1	1						
74/ 73							.1											1	1						
72/ 71								.1										1	2						
70/ 69						.2	.1	.2										5	6						
68/ 67					.1	.1	.2											4	5						
66/ 65			.2	.1	.2	.1												6	6						
64/ 63				.1	.2	.1				.1								5	5	4					
62/ 61		.1	.1	.1	.1	.2	.4			.1								10	12	4					
60/ 59				.2	.4	.5	.5			.1								14	15	6					
58/ 57				.6	.2	.5	.1	.4										15	16	6					
56/ 55		.4	1.5	.4	.9	.1	.2											28	30	7					
54/ 53	.1	.5	.4	.4	.4	.2	.1											17	17	12					
52/ 51		.1	.4	.4	.2	1.5	.1											25	25	9					
50/ 49		.1	.4	.6	1.0	.6	.2											24	24	20					
48/ 47	.1	1.5	.2	1.5	.7	.6												38	38	29					
46/ 45		1.1	.5	1.6	.6	.7												37	37	23					
44/ 43	.5	1.7	1.5	2.4	.5	.2												55	55	37					
42/ 41		1.7	2.4	1.8	.6	.2												56	57	54					
40/ 39	.9	1.7	3.7	1.1	.4	.1												64	66	53					
38/ 37	.4	2.0	3.5	1.9	.9													65	65	73					
36/ 35	.9	2.1	1.7	1.9	.4													53	53	71					
34/ 33	1.2	1.6	2.0	1.5														51	51	68					
32/ 31	.4	2.7	4.5	2.1														79	79	47					
30/ 29	.2	1.5	3.5	.4														47	50	66					
28/ 27	.5	1.8	1.9	.4														34	36	61					
26/ 25		1.2	1.7	.1														25	26	66					
24/ 23		.7	1.0															14	14	19					
22/ 21	.1	.4	.4															11	11	20					
20/ 19	.2	1.1	.4															14	14	19					
18/ 17		.4																7	7	13					
16/ 15		.2																2	2	6					
14/ 13		.4																3	3	2					
12/ 11																				3					
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	Σ	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																									

FORM 0-36-5 (01-A) REPRODUCED BY PERMISSION OF THE BUREAU OF METEOROLOGY

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287

NIAGARA FALLS NY

73-81

MAR

STATION

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PAGE 2

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
10/ 9																		3	3		11
8/ 7		.4																		3	11
6/ 5																					5
4/ 3																					1
2/ -1																					3
-2/ -3																					3
TOTAL	5.5	25.9	31.8	19.0	7.8	6.0	2.2	1.2	.4	.1								817	835	817	817

Element (X)	Z <sub>g</sub>				No. Obs.	Mean No. of Hours with Temperature						Total
	2 <sub>g</sub>	3 <sub>g</sub>	4 <sub>g</sub>	5 <sub>g</sub>		≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Ref. Num.	3910791	54939	67.2	18.286	817							
Dry Bulb	1424080	33130	39.7	11.461	835		27.3	2.0	.8			93
Wet Bulb	1097508	28864	38.3	9.762	817		37.0					93
Dew Point	777369	23509	28.8	11.120	817	.7	80.4					93

USAFETAC FORM 0-26-5 (OL A) REVISED PERIODIC SERVICES OF THE FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY

73-81

MAR

PAGE 1 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															
80/ 79									.2																							2	2		
78/ 77									.1																							1	1		
76/ 75									.1																							2	2		
74/ 73									.2	.1																						3	3		
72/ 71							.1																									1	2		
70/ 69																																	2		
68/ 67				.1	.1	.1	.4	.1																								7	7		
66/ 65				.1	.1	.1	.4	.2					.1																			7	7		
64/ 63				.1	.1	.1	.2	.1	.1																							6	6	3	
62/ 61				.1	.4	.5	.4	.1	.2																							14	15	5	
60/ 59			.4	.1	.4	.7	.6	.1																								19	21	2	
58/ 57		.2	.1	.4	.1	.4	.6	.1																								15	18	7	
56/ 55		.1	.2	.4	.6	.7	.9																									18	18	11	
54/ 53		.4	.6	.2	.4	.9	.5																									24	25	12	
52/ 51		.2	.7	.1	.4	.4	.2																									17	17	16	
50/ 49		.1	.9	.4	1.2	.7	.6																									32	32	17	
48/ 47	.1	1.0	.6	1.2	1.2	.5																										38	38	29	
46/ 45	.1	1.1	.5	1.6	.9	1.0																										42	42	39	
44/ 43	1.0	.4	1.2	1.8	.6	.4																										44	44	35	
42/ 41	.1	1.2	1.5	1.2	.4	.2																										38	39	42	
40/ 39	.9	2.6	3.1	1.3	.1																											65	66	61	
38/ 37	.7	1.6	2.8	2.1	.1	.4																										63	64	70	
36/ 35	.5	3.6	3.6	2.2	.2																											82	82	66	
34/ 33	1.3	1.2	3.4	1.6																												62	62	77	
32/ 31	.4	1.5	4.4	2.2	.1																											70	72	61	
30/ 29		1.7	2.6	.4																												38	39	59	
28/ 27	.2	.7	2.7	.4																												33	33	64	
26/ 25	.6	1.5	1.3																													28	31	50	
24/ 23		.4	.6																													10	10	60	
22/ 21	.2	.2	.4																													7	7	15	
20/ 19	.5	1.1																														13	13	13	
18/ 17		.6	.4																													8	8	7	
16/ 15		.1	.1																													2	2	7	
14/ 13			.1																													1	1	3	
Element (X)	Σx'		Σx		Σ	°s	No. Obs.		Mean No. of Hours with Temperature										Total																
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																					
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM NO. 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-81 MAR  
 STATION STATION NAME YEARS MONTH

PAGE 2 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
12/ 11		.2																2	2	16
10/ 9		.2																2	2	13
8/ 7																			2	9
6/ 5																				1
4/ 3																				1
2/ 1																				1
0/ -1																				2
-2/ -3																				4
-4/ -5																				2
<b>TOTAL</b>	6.7	22.3	32.2	17.6	7.2	7.2	4.4	1.0	1.0	.2							816	835	816	

Element (X)	$\Sigma X^1$	$\Sigma X^2$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3802870	53898	66.1	17.261	816							93
Dry Bulb	1449180	33416	40.0	11.583	835		24.8	2.1	.9			93
Wet Bulb	1093270	28850	35.4	9.481	816		36.4					93
Dew Point	756300	23262	28.9	10.692	816	.9	61.3					93

USAFETAC FORM 104-4 0-36-5 (OL A) REVISED EDITIONS OF THE FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-81 MAR  
 STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.S./W.S.	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
74/ 73						.1											1	1	
70/ 69							.1										1	1	
68/ 67								.1									1	1	
66/ 65				.1		.2											3	4	
64/ 63					.1	.1											2	2	1
62/ 61				.1	.1	.1											3	4	
60/ 59				.5	.1	.4											8	9	1
58/ 57		.1	.5	.1	.2	.2											10	10	2
56/ 55		.1	.2	.4	.4	.5	.1										14	14	3
54/ 53	.1	.1	1.0	.5	.9	.1		.1									23	25	14
52/ 51		.5	.5	.2	.7												16	17	8
50/ 49		.4	.9	.6	.1	.4											19	20	25
48/ 47		1.0	.4	.7	.5	.1	.1										23	25	14
46/ 45	.2	.9	.9	.7	.9	.1											30	32	27
44/ 43	.1	.9	1.0	1.5	.7	.1											35	36	29
42/ 41	.2	1.0	2.2	1.3	.2												41	41	27
40/ 39	1.1	2.5	1.5	1.3	.2												54	54	41
38/ 37	1.1	2.7	3.1	1.2													66	66	71
36/ 35	.5	4.3	3.8	.4													73	74	54
34/ 33	1.0	3.8	4.3	.2	.1												77	78	64
32/ 31	1.5	3.3	4.9	1.0													87	89	84
30/ 29	.5	3.3	2.9	.4													58	68	77
28/ 27		2.0	2.4	.2													39	39	58
26/ 25	.1	2.6	2.5														42	43	49
24/ 23	.7	1.1	1.6														28	28	50
22/ 21	.2	.9	.7														15	17	32
20/ 19	.6	1.0	.5														17	17	17
18/ 17		1.0	.2														10	10	15
16/ 15		.9	.2														9	9	10
14/ 13	.1	.2	.2														5	5	10
12/ 11		.2	.1														3	3	3
10/ 9																			4
8/ 7		.1															1	1	1
6/ 5		.1															1	1	1
Element (K)	ΣK'		ΣK		Σ	°K	No. Obs.	Mean No. of Hours with Temperature											
Rel. Hum.								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 90 F	Total					
Dry Bulb																			
Wet Bulb																			
Dew Point																			

FORM 0-26-5 (OL A) WEATHER SERVICE BRANCH OF THE ROYAL AIR FORCE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY  
 STATION STATION NAME

73-81  
 YEARS

MAR  
 MONTH

PAGE 2 1800-2000  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL P.A.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/ 3		.1																													1	1	2	4	
2/ 1																																		2	
0/ -1																																		1	
-2/ -3																																		4	
-4/ -5																																		2	
-6/ -7																																		2	
TOTAL	8.2	34.9	36.6	11.6	5.3	2.3	.5	.5																								816	837	816	816

FORM 0-36-5 (O.L.A.)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEARS

MAR  
 MONTH

PAGE 1 2100-2300  
 FORM 1 (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			
60/ 59			.2															2	2					
58/ 57			.5	.7	.4													13	16					
56/ 55	.1		.6	.2			.1											9	9	4	1			
54/ 53	.2	.5	.9	.9	.2	.1	.1											20	20	8	2			
52/ 51		.5	.2	.1	.2	.2												11	11	18	7			
50/ 49		.1	.4	1.0	.2	.1												15	15	12	8			
48/ 47		1.1	1.1	.4	.2													23	23	7	14			
46/ 45		1.3	.4	.2	.2													18	20	22	15			
44/ 43		.9	1.2	.7	.2													25	26	32	11			
42/ 41		1.0	1.7	.6	.1													28	31	19	18			
40/ 39	1.1	2.2	2.0	.4	.2													48	50	30	31			
38/ 37	1.0	3.7	1.6	.2														33	34	38	24			
36/ 35	1.0	3.6	2.5	1.1														73	73	68	52			
34/ 33	1.5	6.1	3.4	.2														92	92	67	51			
32/ 31	.9	6.9	4.7															101	104	82	66			
30/ 29	.7	5.4	3.1															75	76	105	76			
28/ 27	.2	2.3	1.5															33	34	64	51			
26/ 25	.1	2.3	2.3	.2														61	63	66	60			
24/ 23	.4	2.6	1.9	.1														37	39	61	53			
22/ 21	.9	2.9	.4															34	34	48	67			
20/ 19	.1	1.3	1.0															20	28	38	44			
18/ 17	.2	.6	.4															10	10	17	24			
16/ 15	.1	.4	.2															10	10	13	39			
14/ 13	.2	1.7	.1															17	17	18	25			
12/ 11		.4																3	3	14	21			
10/ 9		.1																1	1	8	17			
8/ 7																					18			
6/ 5		.1																1	1	1	8			
4/ 3		.4																3	3	3	6			
2/ 1																					8			
0/ -1																					8			
-2/ -3																					2			
-4/ -5																					1			
-6/ -7																					2			
Element (S)	2 <sup>1</sup>	2 <sup>1</sup>	1	0 <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.																		≤ 6 F	≤ 20 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM NO. 0-36-5 (OL A)  
 USE PREVIOUS EDITIONS OF THIS FORM AND CIRCULAR  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-01 YEARS MAR MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.S./W.S.	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				
80/ 79									.0									2	2					
78/ 77								.0	.0									4	4					
76/ 75								.0	.0									3	3					
74/ 73							.0	.0	.0	.0								6	6					
72/ 71						.0	.0	.0	.0									4	4					
70/ 69						.0	.0	.0	.0									7	10					
68/ 67				.0	.0	.0	.1	.1	.0									14	19					
66/ 65			.0	.0	.0	.1	.1	.0	.0	.0								18	21					
64/ 63			.0	.0	.1	.0	.0	.0	.0	.0								15	15	0				
62/ 61		.0	.0	.0	.1	.1	.2	.0	.0	.0								33	30	10				
60/ 59		.0	.1	.2	.1	.2	.2	.0	.0	.0								52	59	12				
58/ 57		.1	.2	.3	.2	.2	.1	.0										70	89	21				
56/ 55	.0	.2	.4	.3	.3	.2	.1											98	102	37				
54/ 53	.1	.3	.5	.5	.3	.2	.2	.0										139	143	67				
52/ 51	.1	.3	.6	.5	.4	.4	.0											133	138	87				
50/ 49	.1	.2	.7	.5	.4	.3	.1											158	159	127				
48/ 47	.1	.9	.8	.6	.5	.1	.0	.0										194	199	135				
46/ 45	.2	1.1	.9	.9	.5	.3												226	231	203				
44/ 43	.3	1.1	1.0	1.1	.9	.1												259	261	224				
42/ 41	.0	1.7	1.6	.9	.2	.1	.0											301	309	249				
40/ 39	.8	1.9	2.3	.4	.2	.0												377	389	334				
38/ 37	.9	2.5	2.3	.9	.2	.0												441	446	427				
36/ 35	1.2	3.9	2.2	.9	.1													542	551	497				
34/ 33	1.5	4.4	2.3	.8	.0													589	593	606				
32/ 31	1.0	5.0	3.8	.9	.0													705	720	649				
30/ 29	.7	3.7	3.1	.2														504	514	617				
28/ 27	.6	2.9	2.0	.2														342	349	530				
26/ 25	.4	2.8	1.8	.1														308	324	484				
24/ 23	.4	1.9	1.3	.0														238	238	333				
22/ 21	.4	2.0	.8															205	216	265				
20/ 19	.5	2.1	.7															211	212	229				
18/ 17	.3	.9	.3															89	89	174				
16/ 15	.1	.8	.1															62	62	98				
14/ 13	.1	.8	.1															52	52	62				
Element (H)	2 <sub>H</sub>	2 <sub>H</sub>	2	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	2 <sub>H</sub>	Mean No. of Hours with Temperature						
Dry Bulb																		≥ 60 F	≥ 70 F	≥ 80 F	≥ 90 F	Total		
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (O-L-A) WEATHER SERVICE USE ONLY  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIABARA FALLS NY

73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	P.S./W.B.	Dry Bulb	Wet Bulb	Dew Point			
12/ 11	.1	.5	.0															36	36	48	191			
10/ 9	.1	.4																30	30	49	107			
8/ 7	.1	.1																15	15	26	88			
6/ 5	.2	.1																19	19	23	68			
4/ 3	.2	.2																27	27	27	62			
2/ 1	.0	.1																6	6	8	55			
0/ -1																					25			
-2/ -3																					26			
-4/ -5																					15			
-6/ -7																					14			
-8/ -9																					3			
-10/ -11																					1			
TOTAL	10.1	2.2	2.9	5.1	0.1	3.9	2.4	1.2	.4	.2	.0						6533	6692	6533	6533				

Station (H)	3rd	2d	1st	4th	Mean No. of Hours with Temperature						Total
Rel. Hum.	3703012	401502	730703.251	6533	< 50 F	< 55 F	< 60 F	< 65 F	< 70 F	< 75 F	700
Dry Bulb	653310	234310	300000.100	6533		32300	500	107			700
Wet Bulb	730300	200001	200000.000	6533		39700					700
Dew Point	653300	170000	200000.000	6533	V.O.	52000					700

FORM NO. 6-24-5 (O.L.A.)  
 UNITED STATES GOVERNMENT PRINTING OFFICE: 1954 O-270-000

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

725287  
 STATION

NIABARA FALLS NY  
 STATION NAME

73-81  
 YEARS

APR  
 MONTH

PAGE 1 0000-0200  
 0000 (L. 1, 1)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.S.	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
66/ 65				.1				.1										2	2	
64/ 63		.1	.2	.1	.4	.1	.1											9	9	
62/ 61		.2	.4	.1	.1	.1												7	7	1
60/ 59	.1	.4	.6	.1	.7	.1												17	17	6
58/ 57	.2	.2	.4		.2	.4												12	12	13
56/ 55	.1	1.4	.7	.1	.5	.4												26	26	10
54/ 53	.6	.9	.9	1.0	.6	.1												33	33	28
52/ 51	.1	.9	.6	.4	.2	.2												20	20	28
50/ 49	.2	1.1	1.3	.4		.1												27	27	16
48/ 47	.1	1.9	1.1	.5	.6	.1												35	35	19
46/ 45	.1	2.5	1.4	1.6	.4													48	48	26
44/ 43	.1	2.1	3.3	2.7	.7													74	74	30
42/ 41	.1	2.7	3.7	1.9														68	68	32
40/ 39	.7	5.9	2.2	1.2	.2													69	69	62
38/ 37	.4	3.3	1.5	.9														51	51	53
36/ 35	.5	5.7	2.6	.7														77	77	58
34/ 33	.4	3.7	2.4	.7														60	60	73
32/ 31	1.4	3.5	2.1	.2														58	58	63
30/ 29	.4	2.3	1.4															33	33	68
28/ 27		3.3	1.9															42	42	49
26/ 25	.1	.6	.9															11	11	43
24/ 23	.1	.6	.2															6	6	29
22/ 21	.2		.1															3	3	33
20/ 19		.6																5	5	39
18/ 17																				18
16/ 15																				19
14/ 13																				7
12/ 11																				9
8/ 7																				1
TOTAL	6.4	43.8	30.2	12.7	4.8	1.7	.1	.1										810	810	810

Element (H)	2 <sup>1</sup>	2 <sup>2</sup>	3	4	No. Obs.	Mean No. of Hours with Temperature					Total
	≤ 60 F	≤ 70 F	≤ 80 F	≤ 90 F	≥ 60 F	≥ 70 F	≥ 80 F	≥ 90 F	≥ 100 F		
Dry Bulb	4875294	61982	76.4	81.378	810	160	220	400	100	0	810
Wet Bulb	1400652	37868	48.8	51.101	810	170	270	300	100	0	810
Dew Point	978998	27027	33.5	37.100	810	170	270	300	100	0	810

USAFETAC FORM 6-26-5 (OL.A) PRINTED BY AIR FORCE BRANCH OF THE TOTAL AIR COMMAND

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-01  
YEAR

APR  
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.S./W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 67								.2										2	2		
66/ 65								.1										1	1		
64/ 63					.1	.4	.4											7	7		
62/ 61		.1	.2	.2	.2	.2												9	9		
60/ 59	.1	.4	.1	.2	.2	.1												10	10	2	1
58/ 57	.1	.5		.1	.1	.1												7	7	6	2
56/ 55	.4	1.1	.7	.5	.1	.1												24	24	20	11
54/ 53		1.1	.5	1.0	.2	.2												25	25	16	7
52/ 51	.6	.7	.9	1.4	.1	.1												31	31	25	20
50/ 49		1.1	1.5	.2	.2	.5												29	29	17	21
48/ 47	.5	1.2	.6	.2	.2	.1												24	24	34	28
46/ 45	.5	1.6	1.0	1.0														36	36	38	21
44/ 43	.2	2.8	1.4	1.1														45	45	30	26
42/ 41	.4	3.8	3.8	1.1	.1													72	72	48	41
40/ 39	.9	4.1	3.6	.9	.1													77	77	63	48
38/ 37	.7	5.2	2.8	.7														74	74	82	37
36/ 35	.7	4.3	1.7	.4														58	58	84	59
34/ 33	1.1	4.0	2.2	.4														62	62	69	72
32/ 31	1.7	5.1	3.6	.2														86	86	63	101
30/ 29	.4	3.0	1.2	.1														40	40	64	61
28/ 27	.4	3.0	1.2															37	37	53	43
26/ 25	.2	2.0	.4															26	26	46	58
24/ 23		.7	.4															11	11	22	38
22/ 21	.8	.6	.1															10	10	18	46
20/ 19	.1	.8																6	6	8	47
18/ 17		.1																1	1	6	16
16/ 15																					18
14/ 13																					11
12/ 11																					7
10/ 9																					3
TOTAL	9.4	7.6	27.9	10.6	2.1	2.0		.4										610	610	610	610

Element (H)	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Total
Rel. Hum.	5089429	63351	76220908	810	407	1207	207	207	207	90
Dry Bulb	227988	3172	3928427	810	407	207	207	207	207	90
Wet Bulb	116394	2952	2628780	810	407	207	207	207	207	90
Dew Point	94282	2852	2278780	810	407	207	207	207	207	90

USE AFM 6-26-5 (OL-A) WHICH CONTAINS LISTINGS OF THE WIND AND WINDSPEED  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

APR  
MONTH

PAGE 1 0600-0800  
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					
70/ 69						.1															1	1			
68/ 67						.2	.1	.2														5	5		
66/ 65					.4			.1														4	4		
64/ 63			.1	.1	.4	.2																7	7		
62/ 61		.2	.1	.6		.1	.1															10	10	1	
60/ 59		.2	.2	.4	.1	.2	.1	.2														13	13	3	
58/ 57		.7	.6	.1	.6	.1	.1															19	19	12	
56/ 55	.1	1.0	.4	.2	.1	.2																19	19	19	
54/ 53	.4	.9	.5	1.1	.4	.4	.1															30	30	22	
52/ 51	.2	1.1	.7	.4	.4	.2	.1															26	26	19	
50/ 49	.7	1.2	1.1	1.4	.6	.1																42	42	31	
48/ 47	.7	2.1	1.0	1.1	.6	.1																46	46	37	
46/ 45	.5	1.1	1.1	1.4	.2																	35	35	41	
44/ 43	.2	3.2	2.6	1.7	.2																	65	65	37	
42/ 41	.1	3.2	4.1	1.2																		70	70	62	
40/ 39	1.1	4.7	4.7	1.2	.4																	98	98	74	
38/ 37	.6	3.1	1.2	.9																		44	44	94	
36/ 35	.7	3.3	2.2	1.2	.2																	63	63	68	
34/ 33	.9	3.0	2.1	1.0																		56	56	71	
32/ 31	1.0	2.8	3.1	1.0																		64	64	46	
30/ 29	.5	2.3	1.2	.1																		34	34	57	
28/ 27	.5	1.2	.5	.1																		19	19	46	
26/ 25	.2	1.7	.2																			18	18	31	
24/ 23		.8	.2																			6	6	17	
22/ 21	.4	.5	.2																			9	9	9	
20/ 19	.1	.7																				7	7	9	
18/ 17																								4	
16/ 15																								16	
14/ 13																								7	
12/ 11																								11	
10/ 9																								4	
TOTAL	9.1	39.0	28.4	14.9	4.8	2.2	1.0	.6														810	810	810	

Element (H)	Σ	Σ <sup>2</sup>	X	C <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	480871	61199	75.614.792	810	± 0 F	± 22 F	± 67 F	± 72 F	± 80 F	± 92 F	Total
Dry Bulb	1441802	33290	41.1 9.848	810		17.4	.7				90
Wet Bulb	122008	30744	38.0 8.698	810		24.3					90
Dew Point	98833	27117	33.8 8.858	810		43.8					90

USAFETAC FORM 0-28-5 (04-61) WET BULB TEMPERATURE DEPRESSION OF THE TUBES ARE CORRECTED

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEARS

APR  
 MONTH

PAGE 1 0900-1100  
 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					
82/ 81																					1	1			
78/ 77								.1													1	1			
76/ 75							.1	.2													4	4			
74/ 73							.6	.1	.1												8	8			
72/ 71							.5	.5													9	9			
70/ 69					.1		.4	.2	.2												8	8			
68/ 67			.2		.7		.4	.1	.4												22	22			
66/ 65			.4	.1	.1	.5	.4	.2	.2												16	16	1		
64/ 63		.2	.1	.5	.6	.5	.4	.5	.5												20	20	8	1	
62/ 61			.1	.1	.5	.4	.4	.5	.1												17	17	10		
60/ 59		.4	.5	.2	.1	.2	.6	.5													21	21	17	6	
58/ 57	.1	.2	.2	.2	.7	.9	1.0	.4													31	31	17	7	
56/ 55	.2	.2	.4	.5	.7	1.6	.9	.1													38	38	26	21	
54/ 53	.2	1.1	.7	.7	1.7	1.0	.4														48	48	23	19	
52/ 51	.9	1.2	.6	1.0	1.2	.5	.4														47	47	31	27	
50/ 49	.4	.7	1.0	1.6	1.6	.9	.2														52	52	42	21	
48/ 47	.4	1.2	.9	2.1	2.8	.4															63	63	53	31	
46/ 45		1.5	2.3	2.1	1.4	.5															64	64	61	30	
44/ 43		2.3	2.3	2.6	.6		.1														65	65	71	32	
42/ 41		1.9	1.7	2.3	.7	.1															55	55	70	23	
40/ 39	.4	1.7	1.6	1.4	.5																47	47	92	54	
38/ 37	.1	.6	1.2	1.9	.9																38	38	86	74	
36/ 35	.5	1.1	1.5	1.2	.4																38	38	43	75	
34/ 33	.1	.9	1.5	1.1	.2																31	31	39	64	
32/ 31	.9	.7	1.5	.7																	31	31	54	72	
30/ 29	.1	1.5	.2	.1																	16	16	33	66	
28/ 27		.6																			5	5	32	39	
26/ 25		.4																			3	3	7	38	
24/ 23		.5																			4	4	5	34	
22/ 21	.2	.2	.2																		6	6	6	27	
20/ 19		.1																			1	1	3	30	
18/ 17																							1	20	
16/ 15																								10	
14/ 13																								3	
Element (X)	Σ <sub>1</sub>		Σ <sub>2</sub>		Σ	Σ <sub>n</sub>	No. Obs.	Note No. of Hours with Temperature						Total											
Rel. Hum.								≤ 6 F	≤ 22 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F												
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (O-LA) USE PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-81 APR  
STATION STATION NAME YEARS MONTH

PAGE 2 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
12/ 11																					6
10/ 9																					1
TOTAL	4.8	19.5	19.5	20.7	15.7	9.3	6.2	3.1	1.0	.2								810	810	810	810

Element (K)	Σg		Σ	%	No. Obs.	Mean No. of Hours with Temperature					Total	
	Σg'	Σg				≤ 0 F	≤ 32 F	≥ 47 F	≥ 72 F	≥ 88 F		≥ 93 F
Rel. Hum.	3684973	52675	65.0	17.909	810							
Dry Bulb	1917838	38388	47.4	11.036	810		7.3	5.9	1.6	.1		90
Wet Bulb	1492444	33964	41.9	9.189	810		19.6					90
Dew Point	1091762	28514	35.2	10.413	810		37.2					90

USAFETAC FORM 0-26-5 (01.A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

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																	
84/ 83																																	1	1			
82/ 81														.1	.2																		3	3			
80/ 79														.5																			4	4			
78/ 77											.1	.5																					5	5			
76/ 75										.2	.2	.9	.1																				10	10			
74/ 73								.2	.2	.2	.5	.4	.2																				15	15			
72/ 71				.1	.1	.4	.4	.4	.1	.1	.1																						14	14			
70/ 69			.1	.6	.7	.7	.4	.6	.1	.1	.4																						27	27			
68/ 67			.2	.6	.2	.2	.2	.1	.1	.4	.2	.2																					21	21	1		
66/ 65			.2	.5	.2	.2	.2	.1	.1	.4																							18	18	10		
64/ 63		.2	.4	.5	.2	.5	.7	.5	.7	.5																							25	25	14	2	
62/ 61		.1	.1	.2	.4	.5	1.0	.2	.9	.9																							28	28	22	1	
60/ 59			.4	.2	1.5	.9	1.1	.1																									34	34	36	10	
58/ 57	.2	.4	.1	.7	.7	1.5	.9	.5																									41	41	17	10	
56/ 55		.5	.6	.6	.7	1.7	1.4	.2																									47	47	18	27	
54/ 53	.2	.6	.6	1.1	1.2	1.6	.4	.1																									48	48	26	27	
52/ 51		1.0	.5	.9	1.2	1.5	.4	.1																									45	45	37	14	
50/ 49	.1	.7	.7	2.1	2.0	.5	.6																										55	55	50	27	
48/ 47	.1	1.7	1.5	1.2	1.7	.4	.1																										55	55	67	30	
46/ 45		2.2	1.7	1.5	1.4	.2	.1																										58	58	74	24	
44/ 43		1.1	2.0	1.5	1.4	.7																											54	54	90	34	
42/ 41		1.6	2.2	1.0	1.7	.2																											55	55	58	43	
40/ 39	.4	.5	1.0	1.1	1.0																												32	32	67	51	
38/ 37		.9	.9	2.0	.7																												32	32	51	84	
36/ 35	.4	.4	1.1	1.0	.2																												25	25	36	56	
34/ 33	.4	.2	1.4	.2																													18	18	38	59	
32/ 31	.4	.5	.4	.1																													11	11	39	78	
30/ 29		1.4																															11	11	28	41	
28/ 27	.1	.5	.1																														6	6	13	32	
26/ 25	.1	.7	.1																														8	8	7	39	
24/ 23		.2																															2	2	6	29	
22/ 21			.2																														2	2	3	28	
20/ 19																																				2	36
18/ 17																																				2	16
Element (X)	Σ X'		Σ X		Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature										Total																		
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																							
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) REVISION 10-64



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 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
84/ 83								.1	.1	.1							2	2	
82/ 81								.1	.1	.1							3	3	
80/ 79								.1	.1								2	2	
78/ 77								.5	.2								6	6	
76/ 75						.1	.4	1.0	.1								13	13	
74/ 73						.2		.4	.2	.1							8	8	
72/ 71						.1	.5	.4	.2	.6	.1						16	16	
70/ 69				.4	.6	.4	.6	.1	.1								18	18	
68/ 67				.2	.6	.4	.7	.6	.1	.4							25	25	2
66/ 65				.5	.1	.6	.4	.4	.4	1.0							24	24	4
64/ 63	.1	.2	.7	.1	.4	.9	1.0	.9	.6								40	40	18
62/ 61	.1	.5	.1	.1	.6	1.4	.6										28	28	18
60/ 59	.1	.5	.2	.2	.6	.9	.2	.9									30	30	25
58/ 57	.7	1.5	.6	.4	1.1	1.5	.9	.1									55	55	23
56/ 55	.1	.5	.5	.1	.9	1.5	1.6	.2									44	44	24
54/ 53	.5	.6	.9	.7	1.9	.5	.1										42	42	19
52/ 51	.1	.5	.6	1.2	1.5	.5	.2										38	38	33
50/ 49	.9	.9	2.2	1.9	1.0	.5	.2										61	61	44
48/ 47	.9	1.1	2.0	1.7	.6	.5											55	55	67
46/ 45	1.9	1.1	2.2	.6	1.2												57	57	77
44/ 43	1.1	1.1	.9	1.0	1.2												43	43	83
42/ 41	1.2	2.2	1.2	1.1	.6												52	52	58
40/ 39	.1	1.7	1.4	1.2	.5	.2											42	42	58
38/ 37	.1	.5	.4	1.0	.6	.1											22	22	61
36/ 35	1.0	.5	.4	1.2	.1												26	26	50
34/ 33	.1	1.2	1.0	.4													22	22	40
32/ 31	.4	1.0															11	11	30
30/ 29	.9	.2															9	9	24
28/ 27	1.0	.1															9	9	12
26/ 25	.4	.1															4	4	12
24/ 23	.4																3	3	2
22/ 21																		3	24
20/ 19																			32
18/ 17																			25
Element (X)	$\Sigma X^2$	$\Sigma X$	X	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.						± 0 F	± 32 F	± 67 F	± 73 F	± 90 F	± 93 F								
Dry Bulb																			
Wet Bulb																			
Dew Point																			

FORM 0-26-5 (OL A) REVISION 5-65 (OL A) AIR WEATHER SERVICE/USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

**725287**    NIAGARA FALLS NY    73-81

STATION    STATION NAME    YEARS

**APR**  
 MONTH  
 PAGE 2    1800-1700  
 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																
16/ 15																																		9		
14/ 13																																		1		
12/ 11																																		3		
TOTAL	2.5	16.2	13.6	17.0	13.2	12.2	9.1	8.0	3.5	3.0	.2																							810		
																																		810		

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	Σ X <sub>1</sub>	No. Obs.	Mean No. of Hours with Temperature						Total	
Rel. Hum.	Σ 0 F	Σ 32 F	Σ 67 F	Σ 73 F	Σ 80 F	Σ 93 F							
Rel. Hum.	3117540	47658	58.819	688	810	0	0	0	0	0	0	90	
Dry Bulb	2240808	41510	51.331	818	810	4.0	10.0	3.0	.7				90
Wet Bulb	1643658	38721	44.1	9.192	810	9.2	.2				90		
Dew Point	1125982	28964	35.810	580	810	38.8						90	

USAFETAC FORM NO. 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY 73-81 APR  
 STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000  
 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
76/ 77							.1											1	1		
76/ 75								.1										1	1		
74/ 73							.4	.1										4	4		
72/ 71						.1	.1	.1										3	3		
70/ 69					.4	.2	.5		.1									10	10		
68/ 67				.2	.1	.1	.5		.1									9	9		
66/ 65			.1	.2	.5	.6	.6		.1	.1								19	19	1	
64/ 63			.1	.4	.7	.1	.2		.1	.2								16	16	2	
62/ 61		.1	.1	.1	.5	.5	.4	.4	.5									21	21	9	
60/ 59		.4	1.0	.5	.1	.5	.7	.7										32	32	15	
58/ 57	.1	1.0	1.0	.2	.7	.5	.2	.5										35	35	21	
56/ 55	.2	.7	.4	.2	1.6	1.5	.7	.5										48	48	34	
54/ 53	.1	.2	.5	.9	.7	1.0	1.1											37	37	27	
52/ 51		1.0	1.0	.9	.9	.7	.2	.1										39	39	13	
50/ 49	.1	1.4	1.1	1.2	2.1	.9	.1											56	56	38	
48/ 47	.1	1.2	.9	2.2	2.2	.4	.4											60	60	50	
46/ 45	.1	1.9	1.4	2.5	.9	.4												57	57	60	
44/ 43	.1	2.2	2.5	1.9	.5	.9												65	65	69	
42/ 41	.4	.5	3.5	1.7	.7	.2	.1											58	58	78	
40/ 39		2.1	3.0	2.0	.6													62	62	69	
38/ 37	.2	1.6	1.9	1.4	.2													43	43	77	
36/ 35	.9	1.6	1.0	1.9	.2													45	45	56	
34/ 33	.7	1.0	1.1	.4	.2													28	28	64	
32/ 31	.1	.6	1.2	.5														20	20	32	
30/ 29	.4	.9	1.4	.1														22	22	34	
28/ 27	.1	.9	.1	.1														10	10	25	
26/ 25	.1	.4	.1															5	5	17	
24/ 23		.4	.1															4	4	6	
22/ 21																				8	
20/ 19																				34	
18/ 17																				20	
16/ 15																				11	
14/ 13																				4	
12/ 11																				3	
Element (K)	Σ <sub>1</sub> <sup>1</sup>		Σ <sub>2</sub>		Σ	Σ <sub>2</sub>	No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.									≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVERSE SIDE OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEARS

APR  
 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				
70/ 69																		2	2						
66/ 65						.1		.1										1	1						
64/ 63			.1	.5			.2	.2										9	9						
62/ 61		.2	.4	.4	.1	.2												11	11	1					
60/ 59		.2	.4	.4	.9	.1												16	16	4					
58/ 57	.5	1.0	1.6	.1		.4												29	29	15	6				
56/ 55	.1	1.1	1.1		1.2	.2	.1											32	32	21	11				
54/ 53	.2	.7	.7	.5	.6	.2	.1											26	26	13	22				
52/ 51	.5	1.0	.7	.4	.7	.4												30	30	24	22				
50/ 49	.1	.9	1.0	1.6	.9	.6												41	41	17	23				
48/ 47	.1	1.2	.6	2.2	.6	.5	.1											44	44	33	11				
46/ 45	.2	2.2	2.2	2.1	1.5	.1												68	68	40	26				
44/ 43		3.1	2.6	2.3	.2													67	67	50	29				
42/ 41	.1	2.6	3.5	1.7	.7													70	70	64	32				
40/ 39	.6	4.6	5.3	1.4	.2													98	98	82	51				
38/ 37	.1	2.5	2.1	1.2	.5													52	52	103	57				
36/ 35	.9	3.9	2.3	1.1	.4													66	66	77	76				
34/ 33	.9	2.0	2.1	.9														47	47	70	69				
32/ 31	.1	1.1	1.7	.2														26	26	66	96				
30/ 29	.7	2.2	2.6															45	45	51	56				
28/ 27		1.8	.7															18	18	39	56				
26/ 25		.5	.5															8	8	26	26				
24/ 23		.1																1	1	8	38				
22/ 21		.4																3	3	6	44				
20/ 19																				2	29				
18/ 17																					16				
16/ 15																					15				
14/ 13																					8				
12/ 11																					1				
<b>TOTAL</b>	<b>5.3</b>	<b>32.6</b>	<b>32.3</b>	<b>17.0</b>	<b>8.6</b>	<b>3.1</b>	<b>.7</b>	<b>.1</b>										<b>810</b>	<b>810</b>	<b>810</b>	<b>810</b>				

Element (X)	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ
Rel. Hum.	4658254	38926	72.7	10.868	810	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dry Bulb	1532238	39483	42.0	8.911	810	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Wet Bulb	1264849	31558	39.0	8.288	810	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dew Point	1010328	27099	33.9	9.14	810	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

YEAR

APR  
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		
84/ 83									.0									3	3				
82/ 81									.0									7	7				
80/ 79									.0									6	6				
78/ 77									.0									13	13				
76/ 75								.0	.1	.3	.0							20	20				
74/ 73								.1	.2	.1	.1	.1						35	39				
72/ 71				.0				.1	.2	.1	.1	.2						42	42				
70/ 69			.0	.1				.2	.2	.2	.1	.0						66	66				
68/ 67			.0	.1	.3			.2	.2	.2	.1	.1						80	80	3			
66/ 65			.1	.2	.2	.2		.2	.2	.2	.1	.2						85	85	16			
64/ 63		.1	.2	.4	.3	.3		.3	.3	.3	.2	.1						133	133	42			
62/ 61		.2	.3	.4	.3	.3	.3	.3	.3	.3	.3	.3						131	131	70			
60/ 59	.0	.3	.4	.5	.4	.4	.4	.4	.4	.4	.4	.4						173	173	100			
58/ 57	.2	.6	.7	.6	.6	.6	.6	.6	.6	.6	.6	.6						229	229	126			
56/ 55	.2	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8						270	270	172			
54/ 53	.2	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8						289	289	214			
52/ 51	.3	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9						276	276	208			
50/ 49	.2	1.0	1.0	1.0	1.0	1.0	.6	.6	.6	.6	.6	.6						362	362	257			
48/ 47	.3	1.0	1.0	1.0	1.0	1.0	.6	.6	.6	.6	.6	.6						362	362	262			
46/ 45	.2	1.0	1.0	1.0	.8	.8	.6	.6	.6	.6	.6	.6						423	423	429			
44/ 43	.1	2.0	2.0	1.8	.8	.8	.6	.6	.6	.6	.6	.6						470	470	460			
42/ 41	.1	2.0	3.0	1.8	.8	.8	.6	.6	.6	.6	.6	.6						500	500	486			
40/ 39	.0	3.2	2.8	1.3	.4	.4	.0	.0	.0	.0	.0	.0						540	540	500			
38/ 37	.3	2.2	1.9	1.2	.4	.4	.0	.0	.0	.0	.0	.0						386	386	628			
36/ 35	.7	2.8	1.8	1.1	.2	.2	.0	.0	.0	.0	.0	.0						390	390	400			
34/ 33	.6	2.0	1.7	.6	.1	.1	.0	.0	.0	.0	.0	.0						326	326	462			
32/ 31	.5	1.9	1.7	.4	.0	.0	.0	.0	.0	.0	.0	.0						307	307	371			
30/ 29	.3	1.8	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0						210	210	347			
28/ 27	.1	1.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0						140	140	261			
26/ 25	.0	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0						83	83	180			
24/ 23	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0						39	39	61			
22/ 21	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0						13	13	37			
20/ 19	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						19	19	28			
18/ 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						1	1	16			
Pressure (in)	29.9		29.9		29.9		29.9		29.9		29.9		29.9		29.9		29.9		29.9				
Wet Bulb	73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0				
Dry Bulb	73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0				
Wet Bulb	73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0				
Dew Point	73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0		73.0				
												State No. of Hours with Temperature											
												≤ 50 F		≤ 60 F		≤ 70 F		≤ 80 F		≤ 90 F		Total	

FORM 9-26-5 (M.L.A.) UNITED STATES GOVERNMENT PRINTING OFFICE: 1955

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-81 APR  
 STATION STATION NAME YEARS MONTH

PAGE 2 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
16/ 15																					89
14/ 13																					67
12/ 11																					39
10/ 9																					19
8/ 7																					1
6/ 5																					1
TOTAL	5.6	29.3	23.9	16.2	10.0	6.5	4.0	2.7	1.2	.6	.2							6480	6480	6480	

Element (X)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ <sub>3</sub>	Σ <sub>4</sub>	No. Obs.	Dist. No. of Obs. with Temperature					Total	
						≤ 0 F	0-20 F	20-40 F	40-60 F	60-80 F	≥ 80 F	
Rel. Hum.	32881583	446803	69.817.874	6480								
Dry Bulb	13926074	291444	46.623.224	6480		93.1	31.9	10.2	1.6			788
Wet Bulb	11097334	261344	40.210.274	6480								788
Dew Point	9387697	222883	34.428.174	6480								788

FORM 0-26-5 (O.L.A.) - THESE NUMBERS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY  
STATION STATION NAME

73-81  
YEARS

MAY  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.S./W.S.	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		
72/ 71				.2																2	2		
70/ 69				.2	.4	.2														10	10		
68/ 67		.2	.7		.5	.1														13	13	2	
66/ 65		.5	.8	1.0	.5		.1													29	29	4	2
64/ 63	.1	.7		.6	.1		.2													18	18	14	9
62/ 61	.5	1.4	.4	.2	.2	.1	.2													26	26	23	15
60/ 59	.1	2.2	1.9	.8	.8	.2	.2	.1												54	54	30	24
58/ 57	.6	2.7	3.2	.7	.5	.2	.2	.1												67	67	36	29
56/ 55	.5	2.3	2.4	1.2	.5	.2														59	59	53	34
54/ 53	.5	3.0	2.3	1.6	.8	.4														71	71	64	45
52/ 51	.8	1.2	3.0	1.7	1.1															65	65	54	68
50/ 49	.6	2.6	2.3	1.6	1.2															69	69	64	47
48/ 47	1.6	3.8	1.8	1.2	.4															70	70	74	66
46/ 45	1.2	3.2	2.9	1.8		.1														77	77	88	62
44/ 43	.4	3.2	3.5	2.0																76	76	70	68
42/ 41	.2	1.2	2.8	1.0																42	42	69	56
40/ 39	.6	1.7	1.7	.7																39	39	59	57
38/ 37	.4	1.2	1.9																	29	29	53	58
36/ 35	.5	1.0	.1	.1																14	14	33	58
34/ 33	.1	.6	.2																	8	8	25	47
32/ 31	.8	.2																		5	5	9	51
30/ 29		.1	.1																	2	2	3	26
28/ 27																						1	19
26/ 25																						1	2
24/ 23																							4
22/ 21																							1
20/ 19																							2
TOTAL	9.0	32.7	32.0	16.7	6.9	1.7	.8	.1												837	837	837	837

Element (X)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ <sub>3</sub>	Σ <sub>4</sub>	Σ <sub>5</sub>	Σ <sub>6</sub>	Σ <sub>7</sub>	Σ <sub>8</sub>	Σ <sub>9</sub>	Σ <sub>10</sub>	Σ <sub>11</sub>	Total	
Rel. Hum.	5156240	68970	76.113.898			837	± 0 F	± 22 F	± 47 F	± 73 F	± 88 F	± 93 F	Total
Dry Bulb	2168168	42238	58.1 8.238			837			± 0 F				93
Wet Bulb	192887	39587	47.1 7.928			837			± 0 F				93
Dew Point	167888	36534	43.0 9.128			837			± 0 F				93

USAFETAC FORM 0-36-5 (01-A) REVERSE PRINTING METHOD OF THIS FORM AND OUTLINE

2  
C

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

MAY  
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					
70/ 69			.1		.2													3	3							
68/ 67			.2	.4	.4													6	6							
66/ 65		.5	1.0	.6	.4													20	20	3						
64/ 63	.5	1.1	.4	.7		.1												23	23	12	9					
62/ 61	1.1	.6	.4	.8	.2													23	23	29	23					
60/ 59	.8	2.5	2.2	.4	.2													51	51	31	18					
58/ 57	.2	1.6	2.6	1.7	.5	.1												56	56	36	22					
56/ 55	.6	3.2	2.7	.8	.2	.1												62	62	41	36					
54/ 53	.4	2.5	2.7	.4	.8	.4												59	59	61	46					
52/ 51	.5	1.7	2.4	1.9	.8													61	61	59	48					
50/ 49	1.3	2.4	3.0	1.8	.5													68	68	61	62					
48/ 47	1.2	2.9	1.8	2.3	.4													71	71	64	62					
46/ 45	1.6	4.3	2.0	.8	.1													72	72	86	67					
44/ 43	.2	3.0	3.0	.2														54	54	69	49					
42/ 41	.4	2.4	3.7	1.1														61	61	62	57					
40/ 39	1.2	2.0	3.6															57	57	64	48					
38/ 37	.2	2.8	1.8															27	27	57	49					
36/ 35	.8	1.9	1.2															30	30	46	62					
34/ 33		1.4	.2															14	14	23	58					
32/ 31	.4	1.4																15	15	22	46					
30/ 29		.2																2	2	18	36					
28/ 27																				1	18					
26/ 25																					6					
24/ 23																					5					
TOTAL	11.2	37.6	33.7	12.3	6.4	.7												637	637	637	637					

Element (3)	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
Rel. Hum.	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%
Dry Bulb	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Wet Bulb	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
Dew Point	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46

FORM 8-26-5 (OL A)  
 USE PREVIOUS EDITIONS OF THIS FORM AND INSTRUCTIONS  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-81 MAY  
STATION STATION NAME YEARS MONTH  
PAGE 1 0600-0800  
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																		
76/ 75					.1		.4																										4	4				
74/ 73				.1	.4	.1																											5	5				
72/ 71			.1	1.1	.4	.2		.1																									16	16				
70/ 69		.1	.2	.6	.7		.1																										11	11				
68/ 67		.6	.6	.6	.7		.1																										22	22	8			
66/ 65		1.3	1.0	.6	.5	.4																											31	31	20			
64/ 63	.7	1.6	.4	.8	.4	.7																											38	38	29			
62/ 61	.1	1.6	.4	1.2	.6	.6																											37	37	40			
60/ 59	.4	1.7	1.9	1.4	.4	.2																											50	50	28			
58/ 57	.2	2.2	1.4	1.2	1.6	.5	.2																										61	61	42			
56/ 55	.2	2.2	2.4	1.0	1.0	.6																											61	61	53			
54/ 53	.2	1.9	2.4	2.6	1.9																												76	76	57			
52/ 51	.5	2.3	2.3	1.4	1.6	.1																											69	69	50			
50/ 49	1.0	2.5	2.5	2.4	.7																												76	76	75			
48/ 47	.8	3.7	1.7	1.8	.5																													71	71	94		
46/ 45	.7	2.0	2.0	1.4	.5																													56	56	83		
44/ 43	.4	1.6	1.3	1.2	.4																													40	40	64		
42/ 41	.2	1.3	2.4	1.1																														42	42	50		
40/ 39	.4	1.3	1.6	.1																														30	30	41		
38/ 37	.4	1.0	1.0	.1																														20	20	49		
36/ 35	.5	.8	.6																															13	13	26		
34/ 33		.4	.1																															6	6	16		
32/ 31	.1	.1																																2	2	9		
30/ 29																																				1	1	21
28/ 27																																					14	
26/ 25																																				6		
TOTAL	7.0	29.4	26.2	20.8	11.4	3.9	.8	.1																										837	837	837		

FORM 0-24-5 (01-4) PREVIOUS EDITIONS OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.S./W.S.	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				
86/ 85											.1							1	1					
84/ 83							.1	.1	.2									4	4					
82/ 81					.1		.1	.2	.1	.1								6	6					
80/ 79					.2	.4	.4	.7	.1	.1	.1	.1						18	18					
78/ 77				.1	.5	.8	.4	.1			.1							17	17					
76/ 75			.1	.4	1.7	1.0	.1	.5	.5	.1								36	36					
74/ 73			.6	.4	.6	.6	.5	.4	.1									26	26	2				
72/ 71			.7	.4	.6	.2	.4	1.0	.5	.1								32	32	7				
70/ 69		.5	.5	.1	.5	.8	1.1	.5	.1									34	34	21				
68/ 67		.2	.5	.7	1.3	.5	.8	.1	.2	.1								38	38	46				
66/ 65	.1	.6	.6	.7	.6	1.0	1.2	.5	.2									46	46	28				
64/ 63	.7	.4	1.1	1.7	.7	1.7	.7	.7										58	58	28				
62/ 61	.1	1.2	.8	1.2	1.2	1.3	1.0	.5										61	61	35				
60/ 59	.1	1.2	1.2	1.0	1.1	1.7	.6	.4										60	60	50				
58/ 57	.2	1.3	1.7	2.3	1.4	2.0	.6	.1										81	81	58				
56/ 55	.1	1.2	1.1	1.6	1.2	.8	.2											52	52	69				
54/ 53	.2	1.6	1.2	1.4	2.0	.5	.6											63	63	78				
52/ 51	.1	.7	1.2	.8	1.0	.6	.1											38	38	70				
50/ 49	.1	.6	1.1	.7	1.0	.4												30	30	78				
48/ 47	.6	1.2	.6	1.4	1.4	.6												49	49	58				
46/ 45	.6	1.0	1.1	1.0	.7													36	36	62				
44/ 43	.6	.7	1.1	.7	.2													28	28	42				
42/ 41		.1	1.1	.4														13	13	43				
40/ 39		.2	.2	.1														5	5	29				
38/ 37	.4																	3	3	24				
36/ 35			.2															2	2	7				
34/ 33																				2				
32/ 31																								
30/ 29																				10				
28/ 27																				15				
26/ 25																				10				
24/ 23																				1				
22/ 21																				1				

FORM 0-26-5 (O.L.A.) REVERSE REVISIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

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PAGE 2 0900-1100  
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
TOTAL	3.3	12.8	15.9	16.4	19.0	13.9	9.8	5.7	2.2	.7	.2	.1						837	837	837	
Element (H)		Z <sub>N</sub> <sup>2</sup>	Z <sub>N</sub>	X	C <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature									Total					
Rel. Hum.		3729751	53967	64.9	17.298	837	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F									
Dry Bulb		3070468	49990	59.7	10.072	837			23.6	12.0	2.2			93							
Wet Bulb		2408819	44291	52.9	8.598	837			8.0	.2				93							
Dew Point		1919273	39153	46.8	10.247	837		7.9	2.0					93							

USAFETAC FORM 0-26-5 (O.L.A.) REVISED SEVERAL EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

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																		
90/ 89																																		1	1			
88/ 87																																		7	7			
86/ 85																																		12	12			
84/ 83																																		23	23			
82/ 81																																		22	22			
80/ 79																																		20	20			
78/ 77																																		33	33			
76/ 75																																		42	42	1		
74/ 73																																		35	35	13		
72/ 71																																		46	46	14		
70/ 69																																		35	35	37		
68/ 67																																		57	57	45		
66/ 65																																		50	50	26		
64/ 63																																		60	60	37		
62/ 61																																		62	62	46		
60/ 59																																		63	63	69		
58/ 57																																		46	46	76		
56/ 55																																		49	49	53		
54/ 53																																		32	32	79		
52/ 51																																		34	34	67		
50/ 49																																		38	38	66		
48/ 47																																		31	31	49		
46/ 45																																		16	16	65		
44/ 43																																		10	10	48		
42/ 41																																		5	5	27		
40/ 39																																		3	3	25		
38/ 37																																		5	5	43		
36/ 35																																			5		44	
34/ 33																																				20		
32/ 31																																				33		
30/ 29																																				27		
28/ 27																																				16		
26/ 25																																				7		
24/ 23																																				1		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																																						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

FORM 0-26-5 (O.L.A.) ISSUED PERIODIC EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

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STATION

STATION NAME

YEARS

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PAGE 1 1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.S./W.S.	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								
92/ 91																	.1							1	1			
90/ 89																	.2	.4							5	5		
88/ 87																	.2	.1							3	3		
86/ 85										.1	.5	.4	.4				.4	.1						15	15			
84/ 83						.1	.2	.7	.8	.4	.4	.2	.2				.2	.2						26	26			
82/ 81				.1		.1	.5	.1	.1	.7	.1	.1					.1	.1						16	16			
80/ 79			.1	.4		.2	.4	.4	.4	.2	.2						.2	.2						19	19			
78/ 77			.1	.2	.5	.6	.2	.6	.7	.4	.1	.1					.1	.1						31	31			
76/ 75			.1	.4	.8	.7	.7	.6	.1	.2							.2	.2						31	31	2		
74/ 73		.2	.6	1.3	1.0	.7	1.0	.4	.2	.2							.2	.2						49	49	9	2	
72/ 71		.4	.8	.7	.4	.2	1.1	.4	.2								.2	.2						37	37	14	4	
70/ 69		.2	.7	.8	1.2	.7	1.3	1.3	.7								.7	.7						59	59	24	4	
68/ 67	.2	.4	.4	.8	1.4	.6	1.0	1.4	.4								.4	.4						55	55	36	7	
66/ 65	.1	.1	1.3	1.3	1.0	.7	1.4	.8	.4								.4	.4						60	60	50	23	
64/ 63	.1	.7	1.0	1.1	1.9	1.1	.7	.7	.2								.2	.2						63	63	40	22	
62/ 61	.7	1.3	1.7	.2	.7	.7	.6	.1																51	51	45	32	
60/ 59	1.1	1.1	1.7	.7	1.0	.5	.4																	53	53	60	30	
58/ 57	.1	.4	1.0	1.2	.5	1.2	.8	.6																48	48	76	46	
56/ 55	.5	.2	1.2	1.2	.6	.6	.4																	39	39	77	43	
54/ 53	.6	.5	1.6	.8	1.0	1.2																		47	47	79	54	
52/ 51	.5	.4	.4	.4	.8	.7																		26	26	67	67	
50/ 49	.5	1.0	1.1	.4	.4																			27	27	52	58	
48/ 47	.2	.8	.5	1.2	.7		.1																	30	30	51	46	
46/ 45	.1	.5	1.4	.2	.6																			24	24	44	62	
44/ 43	.2	.1	.2	.2	.1																			8	8	35	45	
42/ 41	.2	.2	.2	.1																				5	5	44	43	
40/ 39	.1																							1	1	16	52	
38/ 37	.6	.1																						6	6	13	46	
36/ 35	.1		.1																					2	2	2	48	
34/ 33																											21	
32/ 31																											27	
30/ 29																											30	
28/ 27																											14	
26/ 25																											6	
Element (K)	Z <sub>1</sub>	Z <sub>2</sub>	X	Y	W	No. Obs.	Mean No. of Hours with Temperature						Total															
Rel. Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																
Dry Bulb																												
Wet Bulb																												
Dew Point																												

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEARS

YEARS

MAY  
 MONTH

PAGE 2 1800-1700  
 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					
24/ 23																										
22/ 21																										
20/ 19																										
<b>TOTAL</b>	2.0	6.2	11.1	16.1	11.9	14.3	10.6	11.0	8.1	4.3	2.2	1.7	.9						837	837	837					

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3021134	47790	57.1	18.704	837	≤ 30 F	≤ 32 F	≤ 47 F	≤ 72 F	≥ 66 F	≥ 92 F	
Dry Bulb	3536764	53624	64.1	11.008	837			38.6	21.8	8.3		93
Wet Bulb	2584276	45980	54.9	8.591	837		.1	9.4	1.2			93
Dew Point	1947082	39396	47.1	10.538	837		9.1	1.9	.2			93

USAFETAC FORM 0-26-5 (O. A.) REVISED NEARLY EVERY EDITION OF THIS FORM AND CHECKLIST

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

MAY

STATION STATION NAME

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PAGE 1 1800-2000

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								
88/ 87																		.1				1	1					
86/ 85										.1										.1			2	2				
84/ 83									.2	.1													4	4				
82/ 81								.1	.2	.4								.2	.1				9	9				
80/ 79					.1		.5	.1	.4	.2													11	11				
78/ 77				.1	.1	.2	.5	.4	.2														13	13				
76/ 75					.7	.2	.5	.4	.1	.1													17	17				
74/ 73				.4	.6	.8	.5	.6	.1	.1													26	26	1			
72/ 71			.4	1.1	.6	.5	.5	.5	.5	.1													34	34	7			
70/ 69			.1	.6	1.0	.4	1.0	.1	.5	.1								.1	.1				31	31	9			
68/ 67		.1	.5	.7	.8	1.0	.8	.6	.1	.1								.1	.1				41	41	18	4		
66/ 65		.2	1.1	1.0	1.2	.4	.7	.5	.5	.1								.1	.1				47	47	32	12		
64/ 63	.2	.2	1.2	1.9	.6	.6	.8	1.0	1.0														63	63	43	23		
62/ 61	.4	.7	1.1	1.1	1.7	1.6	1.2	.2	.1														67	67	40	25		
60/ 59	.1	1.6	3.1	1.7	1.3	1.1	1.1	.4															86	86	46	33		
58/ 57		1.0	1.1	1.2	.6	1.1	.5	.1															46	46	75	46		
56/ 55	.1	1.0	1.3	1.3	1.8	1.0	.7	.1															61	61	61	42		
54/ 53	.1	1.2	1.6	1.3	1.1	.5	.7																54	54	70	53		
52/ 51		.7	1.9	1.0	1.1	.4																	42	42	78	64		
50/ 49	.1	1.8	1.3	1.3	.8	.5	.1																50	50	70	46		
48/ 47		1.4	1.3	1.2	1.0	.1																	42	42	73	62		
46/ 45	.4	1.2	1.7	1.0	.7	.2																	43	43	63	82		
44/ 43	.1	.2	.3	.7	.4																		16	16	44	66		
42/ 41	.1	.2	1.1	.6	.1																		18	18	48	45		
40/ 39	.1		.2	.1																			4	4	26	86		
38/ 37	.4			.1																			4	4	21	41		
36/ 35	.1	.4																					4	4	9	54		
34/ 33	.1																						1	1	5	24		
32/ 31																										1	45	
30/ 29																											12	
28/ 27																											15	
26/ 25																											9	
24/ 23																											2	
22/ 21																											5	
Element (X)																						Mean No. of Hours with Temperature						Total
Rel. Hum.																						+ 0 F	+ 20 F	+ 40 F	+ 70 F	+ 90 F	+ 95 F	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

FORM 0-26-5 (OL A) AIR WEATHER SERVICE USE ONLY

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY  
STATION STATION NAME

73-81  
YEARS

YEARS

MAY  
MONTH

PAGE 2 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				
20/ 19																									1
TOTAL	2.4	1.9	1.9	1.8	3.1	6.2	11.0	10.3	5.3	3.8	1.0	.4	.1									837		837	837

Element (K)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ	C <sub>1</sub>	No. Obs.	Mean No. of Hours with Temperature						Total												
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 90 F													
Dry Bulb	370691	53698	64.2	17.637	837																			
Wet Bulb	3011908	49522	59.2	9.897	837			21.0	9.2	2.4														93
Dew Point	2368737	43771	62.3	8.238	837			.1	3.9	.1														93
Dew Point	1888038	38888	46.8	9.999	837			9.9	.4															93

USAFETAC FORM 0-28-5 (OLA) 1959 EDITION GPO: 1959 O-28-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

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STATION

STATION NAME

YEARS

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PAGE 1 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
78/ 77					.1	.1											2	2	
76/ 75					.4	.2											5	5	
74/ 73				.1	.2	.4											6	6	
72/ 71			.1	.2	.1	.2	.1	.1									8	8	
70/ 69			1.0	.4	.1	.2	.1										15	15	2
68/ 67			.7	.4	.8	.6	.4										24	24	10
66/ 65		.8	.2	.7	.1	.5	.1	.1									22	22	12
64/ 63		1.1	1.0	.4	.5	.2		.1	.1								28	28	19
62/ 61	.1	1.3	.6	1.2	1.0	.6	.5										44	44	22
60/ 59	.4	2.7	3.0	1.4	1.0	.2	.4	.1									77	77	40
58/ 57	.6	2.2	2.9	1.6	.7	.5	.6										75	75	47
56/ 55		1.7	2.0	1.4	1.4	1.1	.1										65	65	73
54/ 53		2.9	2.0	1.1	1.3	.6											66	66	58
52/ 51	.2	2.3	.8	1.0	1.7	.4											53	53	74
50/ 49	.5	2.4	3.1	2.0	1.3												78	78	57
48/ 47	.2	3.6	1.8	2.4	1.2												77	77	69
46/ 45	.5	3.5	2.5	1.3	.1	.1											67	67	99
44/ 43	.5	1.6	2.2	1.1	.2	.1											47	47	73
42/ 41	.2	.8	1.0	1.6	.1												31	31	70
40/ 39	.2	.5	1.7	.2													22	22	37
38/ 37	.1	.7	.5	.2													13	13	30
36/ 35	.2	.1	.5														7	7	26
34/ 33	.4	.2															5	5	14
32/ 31																			5
30/ 29																			
28/ 27																			12
26/ 25																			4
24/ 23																			3
22/ 21																			2
20/ 19																			1
TOTAL	4.2	28.3	27.9	18.6	12.2	6.0	2.6	.5	.1								837	837	837

Element (K)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ <sub>3</sub>	Σ <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature				Total		
Ref. Num.	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ <sub>3</sub>	Σ <sub>4</sub>	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2434830	44590	53.3	8.426	837			6.7	1.4			93
Wet Bulb	2063032	41034	49.0	7.830	837			.6	1.3			93
Dew Point	1780088	37488	44.0	9.231	837			9.3				93

FORM 10-66 0-26-5 (OLA) REVISION 10-66 USE PREVIOUS EDITIONS OF THIS FORM AND CHECKLIST  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY

73-81

MAY

STATION STATION NAME

YEARS

MONTH

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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	Day Bulb	Wet Bulb
92/ 91												.0						1	1	
90/ 89												.0						6	6	
88/ 87											.0	.1						11	11	
86/ 85							.0	.1	.1	.1	.1	.0						30	30	
84/ 83						.0	.1	.2	.2	.1	.1	.1	.0					57	57	
82/ 81				.0	.0	.1	.2	.1	.1	.2	.0	.0						53	53	
80/ 79			.0	.1	.1	.2	.2	.2	.1	.1	.0	.0			.0			60	60	
78/ 77			.0	.1	.3	.4	.4	.4	.3	.2	.1	.0	.0	.0				96	96	
76/ 75			.1	.1	.4	.4	.4	.3	.3	.1	.1							135	135	3
74/ 73			.1	.2	.4	.4	.4	.3	.2	.1	.0	.0						147	147	25
72/ 71			.3	.4	.4	.2	.2	.5	.2	.1	.0	.0						175	175	42
70/ 69		.1	.4	.3	.3	.3	.3	.3	.3	.1	.0	.0						198	198	93
66/ 67		.2	.5	.4	.4	.4	.4	.4	.4	.2	.0							258	258	165
66/ 65	.0	.6	.6	.6	.7	.4	.4	.5	.3	.1								300	300	177
64/ 63	.2	.6	.4	.4	.4	.7	.4	.4	.4	.3	.0							348	348	224
62/ 61	.3	1.0	.8	1.1	.7	.7	.6	.2	.0									371	371	280
60/ 59	.3	1.7	2.0	1.2	.9	.7	.5	.2	.0									494	494	354
58/ 57	.3	1.5	1.9	1.4	.8	.8	.2	.1	.0									480	480	446
56/ 55	.3	1.4	1.8	1.2	1.0	.6	.3	.0										448	448	480
54/ 53	.2	1.8	1.7	1.3	1.1	.5	.4	.0										468	468	546
52/ 51	.3	1.2	1.6	1.2	1.1	.4	.1	.0										388	388	518
50/ 49	.4	1.7	1.9	1.3	.9	.2	.0	.0										436	436	523
48/ 47	.6	2.2	1.3	1.6	.4	.1	.0											441	441	534
46/ 45	.7	2.1	1.7	.9	.4	.1												391	391	570
44/ 43	.3	1.3	1.6	.8	.2	.0												279	279	447
42/ 41	.2	.8	1.8	.8	.0													217	217	413
40/ 39	.4	.7	1.1	.2														161	161	297
38/ 37	.3	.7	.5	.1														107	107	256
36/ 35	.2	.5	.3	.0														72	72	154
34/ 33	.1	.4	.1															34	34	85
32/ 31	.1	.2																22	22	47
30/ 29		.0	.0															4	4	14
28/ 27																				2
26/ 25																				1
Element (H)	2 H'		3 H		H		C <sub>h</sub>		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 20 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 90 F	Total			
Day Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0-26-5 (O.L.A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY 73-81 MAY  
STATION STATION NAME YEARS MONTH

PAGE 2 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL h-h/v-h	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				
24/ 23																								18
22/ 21																								14
20/ 19																								5
TOTAL	5.1	21.1	22.2	16.6	12.1	8.0	5.8	4.2	2.7	1.4	.8	.3	.0	.0							6696		6696	

Element (X)	S <sub>y</sub>	S <sub>x</sub>	I	C	No. Obs.	Mean No. of Hours with Temperature					Total
						< 0 F	< 32 F	< 67 F	< 72 F	< 80 F	
Rel. Hum.	34320430	464682	69.4	18.426	6696						
Dry Bulb	22218851	378689	86.8	11.811	6696	2.9	137.8	67.1	21.7		744
Wet Bulb	17826227	340318	80.8	8.899	6696	7.1	36.4	3.1			744
Dew Point	14882290	308084	68.6	9.940	6696	76.2	7.7	.2			744

USAFETAC FORM 0-26-3 (O.L.A.) (When Revised) Bureau of the Army and Navy

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726207  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEARS

JUN  
 MONTH

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

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					
76/ 75					.4													6	6						
74/ 73		.1	.5	.9	.1	.2												12	12						
72/ 71		.5	1.0	1.6	1.2													35	35	4	2				
70/ 69		.2	1.5	1.0	1.2	1.0												40	40	10	4				
68/ 67	.6	.5	2.2	1.5	.9	.1												47	47	30	20				
66/ 65	.4	3.3	2.8	2.1	.2													72	72	43	19				
64/ 63	.2	3.7	3.6	2.6	1.1	.1												92	92	64	41				
62/ 61	.7	2.8	2.1	1.7														60	60	84	49				
60/ 59	.9	3.7	3.0	1.6	.6	.2												81	81	83	94				
58/ 57	.9	4.8	3.6	2.5	.2	.2												99	99	82	70				
56/ 55	.4	4.2	3.1	1.2	.2													74	74	93	82				
54/ 53	.5	2.8	2.8	1.0	.1													54	54	83	92				
52/ 51	.8	1.7	1.4	1.5														40	40	63	75				
50/ 49		1.1	2.2	.5	.1													32	32	42	51				
48/ 47	.1	1.5	1.1	.4	.2													27	27	43	63				
46/ 45		1.0	1.1	.5														21	21	34	28				
44/ 43	.1	.1	.6	.2														9	9	21	36				
42/ 41	.2	.2	.1	.2														7	7	14	33				
40/ 39																				11	14				
38/ 37																				3	17				
36/ 35																				1	5				
34/ 33																					5				
32/ 31																					6				
30/ 29																					2				
TOTAL	5.4	32.1	32.7	21.0	6.8	2.0												810	810	810	810				

Element (K)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ	Σ <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	5348798	45228	80.5	10.924	810	≤ 6 F	≤ 22 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2912408	48210	59.8	7.211	810			18.6	2.0			98
Wet Bulb	2585822	45420	56.1	6.938	810			4.9				90
Dew Point	2385498	43224	53.4	7.761	810			0.9	2.9			90

GRAPHIC FORM 0-26-5 (OLA)  
 USE PREVIOUS EDITIONS OF THIS FORM AND INSTRUCTIONS

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725207  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

YEAR

JUN  
MONTH

PAGE 1 0300-0500  
ISSUED (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
74/ 73			.5	.5	.4													11	11		
72/ 71	.2	.4	.7	.9	.5	.2												24	24	5	3
70/ 69	.1	.5	1.2	1.1	.5													28	28	9	3
68/ 67	.7	1.1	3.7	.7	.4	.7												60	60	21	19
66/ 65	.1	2.7	2.2	1.4	.4													55	55	34	15
64/ 63	.5	2.5	2.8	1.5	.7													65	65	69	45
62/ 61	1.1	5.1	2.0	1.4	.1													78	78	59	50
60/ 59	.6	4.0	2.6	.7														64	64	84	72
58/ 57	1.0	6.7	2.6	2.0	.4	.4												105	105	95	79
56/ 55		4.6	2.7	.9	.1													67	67	78	80
54/ 53	.7	3.0	3.0	1.1	.4													66	66	80	80
52/ 51	1.0	2.8	3.1	.2														58	58	61	70
50/ 49	.1	2.5	1.7	.2	.1													38	38	58	59
48/ 47	.1	1.9	1.7	.6														35	35	56	59
46/ 45		1.2	1.4	.1														22	22	34	48
44/ 43	.1	1.1	.7	.1														17	17	25	36
42/ 41	.5	.4	.5	.1														16	16	24	36
40/ 39			.1															1	1	15	25
38/ 37																				5	13
36/ 35																					5
34/ 33																					9
32/ 31																					4
<b>TOTAL</b>	<b>7.0</b>	<b>40.7</b>	<b>33.3</b>	<b>13.6</b>	<b>4.0</b>	<b>1.4</b>												<b>810</b>	<b>810</b>	<b>810</b>	<b>810</b>

Element (X)	Σ	Σ	I	°	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	562191	67227	83.0	10.10	810	≥ 0 F	≥ 20 F	≥ 40 F	≥ 70 F	≥ 90 F	
Dry Bulb	2702192	47114	50.2	7.400	810			13.7	1.2		90
Wet Bulb	2510552	44720	55.2	7.100	810			3.9			90
Dew Point	2326902	42658	52.9	7.017	810			4.4			90

FORM 0-25-5 (O.L.A.)  
 USE PREVIOUS EDITIONS OF THIS FORM AND COVERTURE  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY  
 STATION STATION NAME

73-81

YEARS

JUN

MONTH

PAGE 1 0900-1100  
 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															
86/ 85					.1	.1		.1										2	2																
84/ 83					.6	.9	.4	.1	.2									8	8																
82/ 81					.6	.9	.9	.6										24	24																
80/ 79		.4		.7	.7	.7	.7	1.5	.1			.1						41	41																
78/ 77		.5	.4	.9	1.6	.7	1.9	.6	.2	.1	.1							57	57	3	2														
76/ 75		.1	.5	.7	1.9	1.7	1.5	.5	.7	.1								63	63	8	3														
74/ 73		.4	.7	1.7	1.2	1.9	1.4	1.1	1.5									80	80	23	4														
72/ 71		.4	2.1	1.6	2.3	.9	1.2	1.0										77	77	36	19														
70/ 69		.4	1.5	2.1	2.0	2.1	1.6	1.1										87	87	45	23														
68/ 67		2.5	1.4	2.3	2.6	1.1	1.9	.6										100	100	66	30														
66/ 65	.4	1.6	1.1	2.0	1.1	1.2	1.0											68	68	114	63														
64/ 63	.1	.6	1.6	1.1	1.6	1.4	.1											53	53	84	64														
62/ 61	.1	1.1	.7	1.1	1.0	1.0	.4	.2										46	46	76	52														
60/ 59		1.1	.2	.7	1.4	.9												35	35	96	89														
58/ 57		.6	.1	.7	.9	.2	.2											23	23	75	85														
56/ 55		.1	.1	.6	.4	.5												14	14	61	65														
54/ 53	.2	.2	.2	.5	.2													12	12	41	41														
52/ 51		.2	.4	.2	.1													8	8	24	39														
50/ 49		.7	.2	.2														10	10	25	45														
48/ 47				.1														1	1	15	44														
46/ 45				.1														1	1	11	49														
44/ 43																				4	32														
42/ 41																				1	19														
40/ 39																					4														
38/ 37																					6														
36/ 35																					7														
34/ 33																					3														
32/ 31																					2														
TOTAL	.9	11.0	11.4	17.7	19.0	15.4	13.1	7.4	3.0	.2	.2							810	810	810	810														

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	C <sub>1</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	363052	52864	85.2	19.443	810	≥ 6 F	≥ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3897843	58875	89.0	7.333	810			39.9	30.6	6.6		90
Wet Bulb	3095738	49780	81.8	6.709	810			20.1	3.8			90
Dew Point	2613915	45493	56.2	6.328	810			.2	9.0	1.0		90

FORM NO. 0-26-3 (OL A) USE PREVIOUS EDITIONS OF THIS FORM AND CALCULATOR  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 STATION NIAGARA FALLS NY STATION NAME 73-81 YEARS JUN MONTH  
 PAGE 1 1200-1400 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
90/ 89								.1	.2								3	3	
88/ 87						.1	.1		.1	.1							4	4	
86/ 85				.1	.2	.2	.5	.4	.2	.1							16	16	
84/ 83		.2		.4	.4	.6	1.0	1.5	.6	.5					.1		40	40	
82/ 81	.1		.5	1.0	1.2	1.2	1.1	1.1	.2	.4	.2						58	58	
80/ 79	.4	.2	.6	1.4	.5	1.2	2.4	1.2	.6	.1							70	70	6 3
78/ 77	.2	.2	1.0	1.2	1.0	2.6	1.0	.7	.9	.4							72	72	5 4
76/ 75	.5	.2	1.2	2.1	2.0	.6	2.0	1.0	1.4	.6							94	94	15 4
74/ 73	.1	.6	1.9	2.0	2.0	2.0	.4	1.5	.2								86	86	44 8
72/ 71	.4	1.1	1.1	1.9	1.5	2.4	1.2	.6	.2								84	84	46 20
70/ 69	.1	.7	.6	1.5	1.5	.6	1.1	.1	.1								52	52	52 25
68/ 67	.5	1.1	.6	.7	1.5	1.9	1.0	.1									60	60	83 52
66/ 65	.6	.5	1.0	.7	.5	.9	.4										37	37	113 38
64/ 63	.1	.9	.4	.6	.9	1.0	.6										36	36	74 66
62/ 61	.2	.7	.5	.4	.2	.9	.5	.1									31	31	88 59
60/ 59	.5	.2	.5	.5	.7	.6	.2	.1									24	24	69 73
58/ 57	.2	.2	.2	.4	.4	.1											13	13	67 83
56/ 55		.4	.6	.1													9	9	51 50
54/ 53	.1	.2	.1														4	4	36 58
52/ 51	.2	.2	.2	.1	.1												8	8	17 40
50/ 49	.4		.2														5	5	25 39
48/ 47	.1																1	1	8 44
46/ 45	.1																1	1	4 54
44/ 43																			5 34
42/ 41																			14
40/ 39																			18
38/ 37																			13
36/ 35																			5
34/ 33																			2
32/ 31																			2
TOTAL	.4	6.3	7.3	11.0	15.3	15.7	16.2	12.7	7.5	4.5	1.7	.4					808	808	808

Element (X)	Σx'	Σx	Σ	Σ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3011902	47594	58.9	16.063	808	≥ 8 F	≥ 32 F	≥ 47 F	≥ 73 F	≥ 88 F	≥ 93 F	
Dry Bulb	4292748	58584	72.8	7.829	808			71.2	49.3	18.4		90
Wet Bulb	3235592	50824	62.9	6.928	808			28.0	7.8	.2		90
Dew Point	2635322	49552	56.4	9.130	808			.2	12.9	2.1		90

FORM 0-26-5 (01.A) PREVIOUS EDITIONS OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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																				
92/ 91										.1		.1																					2	2						
90/ 89										.1		.1																					2	2						
88/ 87										.1	.5	.2	.5	.2																			13	13						
86/ 85									.2	.5	.4	.9	.2	.1																			21	21						
84/ 83			.1	.4	.1	.5	.7	.9	.4	.1	.6	.4																					34	34						
82/ 81		.2	.1	.6	.7	1.1	2.2	1.9	.6	.7	.5	.1																					72	72						
80/ 79			.4	.6	1.4	2.0	1.0	2.3	1.2	1.0	.6																						80	80	4	1				
78/ 77			.5	.9	1.4	.9	1.5	.7	1.0	.5	.6																						64	64	6	4				
76/ 75			.4	.4	1.4	2.3	1.5	2.8	.7	.7	.1																						84	84	15	2				
74/ 73			.4	1.5	1.1	1.7	1.7	1.6	2.2	.5	.1																							88	88	31	13			
72/ 71		.2	.7	1.1	1.9	1.5	1.4	.4	.7																									64	64	51	14			
70/ 69		.2	.6	1.1	1.0	1.2	1.1	1.1	1.2	.1																								63	63	68	23			
68/ 67		.4	1.0	1.0	.7	.9	2.0	.4																											51	51	73	41		
66/ 65		.7	.9	1.2	1.6	.5	.6	1.0	.1																										54	54	93	81		
64/ 63	.4	.6	1.4	.9	.7	.4	.7	.1																											42	42	88	59		
62/ 61		.7	.1	.2	.7	.2	1.0																												25	25	103	56		
60/ 59		.6	.2	.6	.1	.1	.5	.1																											19	19	77	75		
58/ 57		.2		.2	.4	.4																													10	10	64	80		
56/ 55		.1	.1	.2	.2	.1	.1																												7	7	51	58		
54/ 53				.2	.2	.1																													5	5	37	68		
52/ 51		.5	.2		.1	.1																													8	8	14	65		
50/ 49			.1		.1																														2	2	22	44		
48/ 47																																						8	41	
46/ 45																																						5	38	
44/ 43																																							2	27
42/ 41																																							1	29
40/ 39																																								16
38/ 37																																							15	
36/ 35																																							4	
34/ 33																																							1	
32/ 31																																							5	
TOTAL	.4	4.7	7.3	11.2	14.2	14.0	16.4	14.4	8.9	5.3	2.6	.6																										810	810	810
																																							810	810
Element (X)	Z <sub>x'</sub>	Z <sub>x</sub>	X	X <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																												
Rel. Hum.	2863889	46351	57.2	16.162	810	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																												
Dry Bulb	4362850	59114	73.0	7.758	810			70.9	51.1	20.9		90																												
Wet Bulb	3238891	50933	62.9	6.690	810			27.6	6.2	.1		90																												
Dew Point	2603201	45335	56.0	9.021	810		.6	10.9	2.2	.1		90																												

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIF WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY 73-81 JUN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1000-2000  
 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																
88/ 87																																		1	1	
86/ 85													.1																					2	2	
84/ 83										.1	.2			.2	.4																		8	8		
82/ 81				.1	.2					.1	.7			.4	.1																		21	21		
80/ 79						1.0	1.4			1.4	.7	1.1		.4	.6																		42	42		
78/ 77			.4	.9	1.2	.9	2.6	.5		.7	.1																						59	59	1	
76/ 75		.4	.4	.5	1.5	2.2	1.1	.5		.4	.2																						58	58	5	
74/ 73		.1	.5	1.5	1.2	2.5	1.2	1.2		.2	.4																						73	73	11	
72/ 71		.1	1.1	1.4	2.2	.9	1.1	1.4		.2	.1																						69	69	25	
70/ 69		.2	1.5	1.9	2.0	1.6	2.0	.7		.6																							85	85	41	
68/ 67		.7	1.4	2.2	2.2	1.5	.7	.5		.2																							77	77	61	
66/ 65	.5	1.2	2.3	1.7	1.4	1.4	1.6	.2		.1																							85	85	107	
64/ 63		.9	1.1	2.3	1.2	1.1	1.2	.4																									67	67	96	
62/ 61	.1	.5	1.2	1.6	.9	1.2	.2	.1																									48	48	89	
60/ 59	.2	.7	1.4	1.2	.4	.9	.1																										40	40	83	
58/ 57		.2	.9	.4	.7	.7	.2																										26	26	81	
56/ 55		.6	.6	.6	.5	.1	.1																										21	21	65	
54/ 53		.4	.4	.4	.4	.2																											14	14	57	
52/ 51		.1	.1		.2	.1																											5	5	30	
50/ 49			.1	.2	.4																												6	6	25	
48/ 47			.1		.2																												3	3	16	
46/ 45																																			7	7
44/ 43																																			5	5
42/ 41																																			4	4
40/ 39																																			1	1
38/ 37																																				
36/ 35																																				
34/ 33																																				
32/ 31																																				
TOTAL	.9	6.3	13.6	17.0	17.7	16.9	14.1	7.5	3.6	2.2	.2																							810	810	810

USAFETAC FORM 800-4 0-26-5 (OLA) STATION NUMBER OF THIS FORM AND OBSOLETE

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	X <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	3416889	51091	63.1	15.498	810	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	3865102	55632	68.7	7.393	810			55.0	29.3	5.9		90
Wet Bulb	3015174	49138	60.7	6.507	810			16.0	1.9			90
Dew Point	2495023	44429	54.9	8.472	810		.8	5.9	.8			90

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY  
 STATION STATION NAME

73-81 YEARS

JUN 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
78/ 77					.1	.1	.1										3	3		
76/ 75			.4	.5	.6	.2	.5	.1									19	19		
74/ 73		.1	.6	.5	1.2	.9	.2	.2									31	31	2	
72/ 71		.2	1.6	.9	1.5	1.2											44	44	5	3
70/ 69		.2	2.1	2.2	1.6	.6	.4	.1									59	59	17	6
68/ 67	.1	1.5	2.2	2.3	1.5	.7		.1									69	69	30	18
66/ 65	.4	1.6	4.0	2.2	1.1	.5											79	79	54	33
64/ 63	.2	3.3	3.3	2.6	1.1	.5	.1										91	91	94	34
62/ 61	.2	2.1	1.7	3.2	1.0	.6	.1										73	73	92	56
60/ 59	.7	3.7	4.6	3.6	.9	.2											111	111	90	109
58/ 57	.1	3.7	2.6	1.2	.4	.5											69	69	85	73
56/ 55	.1	2.0	1.7	1.5	1.6	.1											57	57	121	91
54/ 53		.7	1.2	1.9	1.0												39	39	51	90
52/ 51		.6	1.5	.6	.1												23	23	43	53
50/ 49		.4	1.0	.7	.4												20	20	39	74
48/ 47		.5	.5	.7	.4												17	17	38	30
46/ 45			.1	.4													4	4	27	33
44/ 43	.1			.1													2	2	8	26
42/ 41																			9	38
40/ 39																			4	13
38/ 37																			1	14
36/ 35																				5
34/ 33																				4
32/ 31																				5
30/ 29																				2
TOTAL	2.1	20.7	29.1	25.2	14.4	6.3	1.5	.6									810	810	810	810
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total								
Wet Bulb	4736390	61108	75.4	12.494	810	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	90								
Dry Bulb	3169659	50379	62.2	6.741	810			25.0	5.9			90								
Wet Bulb	2719454	46640	57.6	6.474	810			6.0	.2			90								
Dew Point	2413561	43769	54.0	7.740	810		.8	3.0				90								

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 STATION NIAGARA FALLS NY STATION NAME 73-81 YEARS JUN 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
92/ 91																		2	2		
90/ 89																		5	5		
88/ 87							.0	.0										10	10		
86/ 85				.0	.0	.1	.1	.1	.1	.2				.0				41	41		
84/ 83			.0	.0	.1	.2	.3	.3	.2	.1	.1							90	90		
82/ 81		.0	.0	.2	.3	.4	.6	.5	.3	.1	.1			.0				175	175		
80/ 79		.1	.1	.2	.6	.6	.5	.9	.4	.3	.0							234	234	10	4
78/ 77		.1	.2	.5	.8	.5	1.1	.4	.3	.2	.1							265	265	15	10
76/ 75		.2	.2	.5	1.0	1.1	.6	.7	.4	.3	.1							339	339	44	12
74/ 73	.0	.2	.6	1.2	1.0	1.2	.8	.6	.7	.1	.0							413	413	117	33
72/ 71	.0	.3	1.2	1.3	1.6	.8	.8	.5	.2	.0								440	440	180	73
70/ 69	.0	.4	1.3	1.6	1.5	1.1	.8	.5	.2	.0								483	483	267	103
68/ 67	.2	1.1	2.0	1.6	1.2	.8	.8	.3	.0									535	535	396	231
66/ 65	.3	1.9	2.1	1.7	1.0	.6	.5	.2	.0									534	534	624	302
64/ 63	.3	2.0	2.1	1.8	1.0	.7	.4	.1										543	543	668	411
62/ 61	.4	1.9	1.3	1.4	.7	.5	.3	.1										424	424	676	450
60/ 59	.4	2.3	1.9	1.4	.6	.4	.1	.0										458	458	660	696
58/ 57	.3	2.5	1.6	1.2	.5	.4	.1											423	423	641	639
56/ 55	.1	1.8	1.4	.8	.5	.1	.0											307	307	600	570
54/ 53	.2	1.0	1.2	.8	.3	.1												231	231	458	541
52/ 51	.2	.9	1.1	.4	.2	.0												174	174	306	462
50/ 49	.0	.7	1.0	.3	.1													144	144	275	425
48/ 47	.0	.5	.4	.3	.1													90	90	216	390
46/ 45		.3	.3	.2														53	53	148	306
44/ 43	.0	.2	.2	.1														32	32	78	267
42/ 41	.1	.1	.1	.0														24	24	60	224
40/ 39			.0															1	1	31	122
38/ 37																				10	95
36/ 35																				1	42
34/ 33																					34
32/ 31																					32
30/ 29																					4
<b>TOTAL</b>	<b>2.6</b>	<b>18.6</b>	<b>20.4</b>	<b>17.4</b>	<b>13.2</b>	<b>9.5</b>	<b>7.9</b>	<b>5.4</b>	<b>2.9</b>	<b>1.5</b>	<b>.6</b>	<b>.1</b>						<b>6478</b>	<b>6478</b>	<b>6478</b>	<b>6478</b>
Element (X)	$\Sigma X^2$	$\Sigma X$	X	$\Sigma X$	No. Obs.	Mean No. of Hours with Temperature					Total										
Ref. Num.	33660269	454119	70.1	116.792	6478	$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 92 F$	Total									
Dry Bulb	28478549	425425	65.7	9.130	6478			337.9	175.8	51.7		720									
Wet Bulb	23176259	384559	59.4	7.323	6478			114.6	20.7	.3		720									
Dew Point	19925487	355149	54.8	8.380	6478		4.0	51.8	6.6	.1		720									

FORM NO. 4 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL O.S./W.S.	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
84/ 83					.2													2	2		
82/ 81				.2														2	2		
80/ 79		.1	.1	.2	.4													7	7		
78/ 77		.1	.1	.2	.4													7	7	1	
76/ 75		.2	.8	1.2	1.0													27	27	7	1
74/ 73	.1	1.3	1.2	2.0	.7	.1	.2											48	48	11	7
72/ 71		1.1	2.6	2.3	.8	.1	.1											59	59	22	10
70/ 69	.2	3.0	5.6	2.4	1.2		.4											107	107	50	28
68/ 67	.2	4.5	5.3	1.9	1.8	.1												116	116	81	55
66/ 65	.1	2.9	5.6	2.9	.7	.2												104	104	110	84
64/ 63	.5	4.9	2.7	3.0	.6	.1												99	99	102	100
62/ 61	.5	4.2	2.7	1.2	.7													78	78	123	80
60/ 59	1.0	2.5	4.3	1.9	.2	.1												84	84	95	122
58/ 57		1.8	3.1	1.0		.1												50	50	85	78
56/ 55		.1	2.5	.4	.2	.1												28	28	57	84
54/ 53		.1	1.3	.2														14	14	52	53
52/ 51		.1	.2															3	3	20	43
50/ 49			.2															2	2	15	49
48/ 47																				5	22
46/ 45																				1	14
44/ 43																					2
42/ 41																					2
40/ 39																					2
38/ 37																					1
TOTAL	2.6	27.0	38.6	21.0	9.0	1.1	.7											837	837	837	837

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5523688	67488	80.6	9.928	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3617667	54821	65.5	5.689	837			41.7	10.3	1.1		93
Wet Bulb	3218815	51697	61.8	5.552	837			19.1	2.1			93
Dew Point	2974705	49611	59.3	6.391	837			11.2	.9			93

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



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

JUL  
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	O.S./W.S.	Dry Bulb	Wet Bulb	Dew Point
84/ 83					.1													1	1		
82/ 81			.1		.7	.1	.1	.1										11	11		
80/ 79		.1		.5	.5	.1												10	10		
78/ 77		.4	.2	1.2	.6	.5	.1											25	25	2	
76/ 75		.5	1.3	1.3	1.8	1.1	.1											51	51	4	3
74/ 73	.1	1.0	2.9	3.7	1.2	1.0	.1											83	83	23	7
72/ 71		2.0	3.2	4.5	1.4	.6												99	99	40	19
70/ 69		3.1	5.9	3.2	2.4	.6	.1											130	130	77	55
68/ 67	.1	3.2	5.6	1.6	1.1	.8	.1											105	105	110	68
66/ 65	.4	3.3	3.3	1.7	.8	.4												83	83	138	85
64/ 63	.2	4.1	2.0	3.2	.8	.5												91	91	116	118
62/ 61	.6	2.7	2.0	2.0	.5													66	66	96	123
60/ 59	.1	2.2	1.4	.7	.2													39	39	74	92
58/ 57		.7	1.1	.5														19	19	67	67
56/ 55		.6	1.1	.4														17	17	46	66
54/ 53		.2	.4	.1														6	6	28	47
52/ 51			.1															1	1	11	39
50/ 49																				4	26
48/ 47																				1	17
46/ 45																					6
44/ 43																					1
42/ 41																					1
TOTAL	1.6	24.1	30.7	24.6	12.2	5.6	.8	.2	.1									837	837	837	837

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5250552	65644	78.4	11.059	837	≤ 6 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 88 F	≥ 93 F	Total
Dry Bulb	3893378	56888	68.0	5.672	837			57.2	20.1	2.0		93
Wet Bulb	3407475	53223	63.6	5.261	837			28.4	3.2			93
Dew Point	3126761	50905	60.8	6.070	837			16.9	1.1			93

USAFETAC FORM 0-26-3 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL O.B./W.S.	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				
94/ 93								.1	.2	.1	.1	.1								6	6			
92/ 91							.1	.4	.1	.2	.1									8	8			
90/ 89					.4	.1	.1	.5	.5	.4	.2	.1	.1							20	20			
88/ 87					.2	.5	1.3	1.0	1.1	.1	.5	.2								41	41			
86/ 85				.1	.2	1.3	1.6	1.8	1.1	.8	.8	.2								67	67			
84/ 83				.1	1.1	2.2	1.3	2.6	1.1	1.4	.5									86	86			
82/ 81		.1	.1	.4	1.3	2.3	3.2	2.6	1.7	.8	.2									107	107	4		
80/ 79		.1	.1	.2	1.1	1.9	2.2	2.3	2.5	1.6	.2									102	102	8	2	
78/ 77	.1	.1	.5	1.0	1.7	1.4	3.2	2.4	.6	1.1	.1									102	102	20	5	
76/ 75		.4	.7	1.1	2.0	1.9	1.8	1.1	1.1	.5	.1									89	89	43	8	
74/ 73		.6	1.1	1.0	1.4	1.1	1.1	1.0	.8	.8	.1									75	75	85	27	
72/ 71		.2	.8	.5	.8	1.1	.5	1.0	.5											45	45	92	38	
70/ 69	.1	.4	1.0	1.0	.4	.6	.1	1.0												37	37	109	60	
68/ 67		.2	1.2	.4	.5	.4	1.0	.1												31	31	108	77	
66/ 65		.4	.1		.2	.2														8	8	132	86	
64/ 63		.5																		4	4	86	77	
62/ 61		.4	.1	.4	.1															8	8	54	88	
60/ 59			.1																	1	1	40	81	
58/ 57																						29	58	
56/ 55																						25	56	
54/ 53																						2	48	
52/ 51																							38	
50/ 49																							28	
48/ 47																							22	
46/ 45																							23	
44/ 43																							14	
42/ 41																							3	
40/ 39																							4	
38/ 37																							2	
TOTAL	.2	3.3	5.9	6.0	11.5	14.9	17.4	17.7	11.2	7.9	3.1	.7	.1								837	837	837	

Element (H)	Z <sub>g</sub> <sup>T</sup>	Z <sub>g</sub>	Z	°	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2835551	47047	56.2	15.118	837	= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	5197122	65784	78.6	5.143	837			90.7	76.1	63.8	.7	93
Wet Bulb	3829215	56431	67.4	5.425	837			52.1	17.8	.7		93
Dew Point	3147882	58908	60.6	7.852	837			23.8	4.7	.2		93

FORM 0-36-5 (01-A) REPRODUCED BY PERMISSION OF THE NATIONAL BUREAU OF METEOROLOGY

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-81 JUL

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																
94/ 93											.2							2	2																		
92/ 91							.1	.4			.4	.1						8	8																		
90/ 89							.1	.6	.2	1.0	.4	.1	.1					21	21																		
88/ 87					.1	1.0	.7	.7	.6	.1	.1	.5	.2					34	34																		
86/ 85					.2	1.3	1.3	2.7	1.6	1.0	1.2	.1						79	79																		
84/ 83				.5	.6	1.2	2.2	2.9	1.4	1.0	.5							92	92																		
82/ 81		.1	.1	.1	1.0	1.0	2.2	2.0	1.8	2.0	.2							88	88	3																	
80/ 79	.1	.1	.1	.5	1.1	2.0	2.0	3.5	2.3	1.2	.6							112	112	10	2																
78/ 77		.2	.2	1.9	1.8	2.0	3.1	2.0	1.7	1.3	.2							122	122	19	5																
76/ 75		.1	.6	1.3	1.3	2.0	2.2	1.6	1.0	1.2	.4							97	97	37	14																
74/ 73	.1	.2	1.0	1.2	1.0	1.0	1.0	1.2	1.8	.1								71	71	78	18																
72/ 71		.6	.7	1.3	.7	.7	.4	.6	.5									46	46	88	30																
70/ 69		.8	.5	.7	.1	.8	.5	.7										35	35	107	54																
68/ 67		.6	.7		.1	.5	.1											17	17	110	77																
66/ 65		.6	.1															6	6	153	78																
64/ 63		.1	.1		.1													3	3	87	81																
62/ 61			.1	.1														2	2	54	76																
60/ 59		.2																2	2	43	73																
58/ 57																				38	66																
56/ 55																				10	67																
54/ 53																					56																
52/ 51																					41																
50/ 49																					27																
48/ 47																					28																
46/ 45																					22																
44/ 43																					16																
42/ 41																					3																
40/ 39																					3																
TOTAL	.2	3.7	4.3	7.6	8.1	13.7	16.5	18.2	13.5	9.4	3.7	.7	.2					837	837	837	837																

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2725140	45970	54.9	15.481	837	< 6 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total
Dry Bulb	5229643	65991	78.8	5.658	837			91.6	80.7	43.3	.2	93
Wet Bulb	3813054	56324	67.3	5.167	837			50.2	18.3	.6		93
Dew Point	3100610	50520	60.4	7.884	837			22.2	4.3	.1		93

FORM 12-64 0-36-5 (OL A) AIR WEATHER SERVICE BRANCH OF THE ROYAL AIR FORCE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

JUL

STATION STATION NAME

YEARS

MONTH

PAGE 1 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		
80/ 89						.1		.1	.1									2	2				
86/ 87					.2	.5	.7	.8	.1									3	3				
86/ 85				.4	.2	.6	.5	.6	.2	.6	.1	.1						20	20				
84/ 83				.2	.8	.8	1.8	1.7	.7	.6	.2	.1						28	28				
82/ 81				1.0	1.1	1.4	1.9	1.1	1.7	.7	.6	.2	.1					59	59				
80/ 79				1.1	1.1	1.4	1.9	1.1	1.7	.7	.6	.2	.1					74	74				
78/ 77	.1	.1	.2	1.3	2.3	2.0	2.6	2.3	1.3	.7	.1							110	110	7	1		
76/ 75		.7	2.0	3.2	2.3	2.5	1.8	.4	.4	.1								112	112	10	4		
74/ 73		.5	1.2	2.9	2.6	2.4	2.6	1.1	.8	.4								121	121	45	8		
72/ 71	.4	.5	2.3	2.3	2.7	1.3	1.6	1.1	.6									106	106	61	21		
70/ 69		.6	1.3	1.6	1.8	2.0	.8	.6	.4									76	76	88	41		
68/ 67		.8	1.7	1.3	1.2	.7	1.3	.6										64	64	118	68		
66/ 65		1.7	.4	.6	.6	.6	.5											36	36	140	80		
64/ 63		.2	.4	.1	.4	.1	.1											11	11	135	83		
62/ 61		.4	.1	.2	.4	.2												11	11	87	94		
60/ 59		.2	.1	.1														4	4	62	84		
58/ 57																				36	62		
56/ 55																				33	69		
54/ 53																				12	72		
52/ 51																				3	44		
50/ 49																					32		
48/ 47																					23		
46/ 45																					24		
44/ 43																					12		
42/ 41																					11		
40/ 39																					4		
TOTAL	.5	5.0	8.4	14.0	17.4	15.2	17.0	11.7	6.3	3.5	.6	.4						837	837	837	837		
Element (X)	Σx²		Σx		Y	Σn	No. Obs.	Mean No. of Hours with Temperature				Total											
Ref. Num.	3324768		51164		61.1	15.359	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	4653465		62245		74.4	5.414	837			86.1	58.8	17.0		93									
Wet Bulb	3574550		54540		65.2	4.970	837			36.6	6.9			93									
Dew Point	2991301		49661		59.3	7.321	837			15.9	1.4			93									

USAFETAC FORM 0-26-5 (OLA) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

JUL

STATION STATION NAME

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PAGE 1 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															
82/ 81				.1																												1	1		
80/ 79			.1	.1	.4	.1	.1																									7	7		
76/ 77			1.0	.7	1.0	.1	.5																									27	27		
76/ 75		.4	1.0	2.2	1.8	1.4	.2	.1																								59	59	6	
74/ 73		.4	2.0	3.7	.6	1.3	.5	.2																								73	73	19	
72/ 71	.1	.7	3.5	3.1	2.3	.7	.6	.1																								93	93	24	
70/ 69	.2	1.0	6.1	3.3	1.7	1.1	.1	.1																								121	121	65	
68/ 67		2.7	5.0	4.3	2.7	1.7	.2																									140	140	110	
66/ 65		2.0	3.6	4.2	1.8	.8																										104	104	103	
64/ 63		3.3	2.2	3.7	1.8	.5	.5																									100	100	116	
62/ 61		1.2	1.6	1.4	1.2	.5	.1																									50	50	123	
60/ 59	.2	.7	.8	1.7	.6	.4																										37	37	106	
58/ 57			.6	1.2	.4																											18	18	69	
56/ 55			.2	.6																												7	7	41	
54/ 53																																			30
52/ 51																																			14
50/ 49																																			11
48/ 47																																			
46/ 45																																			
44/ 43																																			
42/ 41																																			
40/ 39																																			
TOTAL	.6	13.3	27.6	30.3	16.1	8.6	2.9	.5	.1																								837	837	837

USAFETAC FORM 0-26-5 (O.L.A.) REPRODUCED BY PERMISSION OF THE FORM AND CONTROL

Element (K)	5 <sup>th</sup>	8 <sup>th</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	4750107	62303	74.5	81.601	837	≤ 60 F	≤ 32 F	≥ 67 F	≥ 75 F	≥ 80 F	≥ 90 F	Total
Dry Bulb	3896754	56954	66.0	6.815	837			57.5	16.8	.6		93
Wet Bulb	3897422	52594	62.0	6.208	837			24.9	2.8			93
Dew Point	2987813	49708	59.4	6.371	837			12.1	.9			93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-81 JUL  
 STATION STATION NAME YEARS 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				
94/ 93								.0	.0	.0	.0	.0						8	8					
92/ 91						.0	.1	.1	.0	.1	.0							17	17					
90/ 89					.0	.0	.1	.1	.2	.1	.1	.0	.0					45	45					
88/ 87					.0	.2	.3	.3	.3	.0	.1	.1	.0					86	86					
86/ 85				.0	.1	.6	.5	.7	.4	.2	.3	.1						192	192					
84/ 83				.1	.4	.6	.6	.8	.4	.5	.2	.0						245	245					
82/ 81		.0	.1	.2	.7	.7	1.1	1.0	.6	.5	.1	.0						333	333	7				
80/ 79	.0	.0	.1	.4	.8	1.0	1.1	1.0	.9	.5	.1							407	407	18 4				
78/ 77	.0	.1	.4	1.1	1.5	1.1	1.4	.9	.6	.4	.1							514	514	58 11				
76/ 75		.2	.9	1.4	2.0	1.4	1.1	.8	.4	.3	.1							577	577	147 36				
74/ 73	.1	.7	1.5	2.2	1.3	1.2	.8	.6	.5	.2	.0							602	602	325 93				
72/ 71	.1	1.1	2.2	2.1	1.4	.8	.5	.4	.2									582	582	428 183				
70/ 69	.1	1.7	3.4	2.1	1.2	.8	.4	.4	.1									680	680	656 370				
68/ 67	.1	2.3	3.1	1.4	1.2	.7	.4	.1										625	625	863 542				
66/ 65	.2	2.0	2.3	1.4	.7	.4	.1											471	471	996 703				
64/ 63	.1	2.4	1.3	1.4	.5	.2	.1											394	394	836 678				
62/ 61	.2	1.9	1.2	.9	.4	.1	.0											305	305	692 750				
60/ 59	.3	1.4	1.3	.7	.2	.1												268	268	566 743				
58/ 57	.1	.8	1.0	.4	.0	.0												155	155	438 559				
56/ 55	.0	.3	1.0	.2	.0	.0												113	113	320 548				
54/ 53		.2	.5	.1	.0													49	49	177 437				
52/ 51		.2	.1	.0														20	20	97 325				
50/ 49		.0	.1															8	8	55 277				
48/ 47																				14 180				
46/ 45																				3 144				
44/ 43																				60				
42/ 41																				27				
40/ 39																				21				
38/ 37																				4				
36/ 35																				1				
TOTAL	1.2	15.4	20.4	16.2	12.7	9.9	8.5	7.2	4.5	2.8	1.0	.2	.0					6696	6696	6696				

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

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature				Total		
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	33964450	463358	69.2	16.848	6696							
Dry Bulb	34667946	478886	71.5	7.910	6696			545.9	336.2	128.7	.9	744
Wet Bulb	28021894	431404	64.4	5.833	6696			278.0	61.7	1.2		744
Dew Point	24455243	401915	60.0	7.032	6696			137.7	16.0	.3		744

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287

NIAGARA FALLS NY

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AUG

STATION

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PAGE 1 0000-0200

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
78/ 77			.4	.1	.4	.1												8	8		
76/ 75		.5	.8	.6	.4													19	19		
74/ 73		1.7	3.1	1.2	.2	.1												53	53	13	6
72/ 71		3.1	3.8	1.6	.6													76	76	38	15
70/ 69	.6	4.9	5.1	.8														96	96	76	58
68/ 67	.5	3.2	6.5	.7	.5	.1												96	96	87	74
66/ 65	.1	5.4	5.0	1.8	.5													107	107	80	68
64/ 63	.2	6.2	3.0	1.2	.4													92	92	113	89
62/ 61	.1	5.6	2.2	1.9	.5													86	86	99	101
60/ 59	.5	4.3	3.9	.7	.4													82	82	94	101
58/ 57		1.8	3.0	.7	.1													47	47	75	77
56/ 55		.8	1.8	.6	.4													30	30	56	65
54/ 53		.4	2.2	.5	.1													26	26	36	60
52/ 51		.4	1.0															11	11	25	31
50/ 49		.2	.5															6	6	29	21
48/ 47		.2																2	2	12	34
46/ 45																				4	21
44/ 43																					12
42/ 41																					3
40/ 39																					1
TOTAL	2.0	38.7	42.2	12.4	4.3	.4												837	837	837	837
Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	5915183	69999	83.6	8.550	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	3549683	54283	64.9	5.910	837			38.7	8.9			93									
Wet Bulb	3226791	51721	61.8	6.068	837			23.8	1.4			93									
Dew Point	3028170	50016	59.8	6.865	837			17.0	.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**

725287 NIAGARA FALLS NY

73-81

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STATION

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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	
78/ 77			.1		.1	.1												3	3			
76/ 75		.1	1.1		.1	.1	.1											13	13			
74/ 73		2.3	1.7	.6	.2		.1											41	41	9	3	
72/ 71	.2	4.1	3.2	1.2	.1													74	74	35	15	
70/ 69	.4	4.2	3.0	.4														66	66	66	52	
68/ 67	.6	4.1	3.7	.7	.4													79	79	73	70	
66/ 65	.7	7.0	2.7	1.2	.5													102	102	73	77	
64/ 63		7.6	2.9	1.2	.5													102	102	101	57	
62/ 61	.5	5.3	2.7	.8	.4	.1	.1											83	83	80	110	
60/ 59	.1	7.5	3.0	1.0		.1												98	98	80	75	
58/ 57	.2	3.6	2.4	.2														54	54	93	89	
56/ 55		2.5	2.7	.5	.1													49	49	50	75	
54/ 53		.8	1.9	.2	.1													26	26	50	51	
52/ 51		1.0	1.2	.6														23	23	31	47	
50/ 49		.8	1.0															15	15	24	33	
48/ 47		.7	.2															8	8	21	31	
46/ 45		.1																1	1	10	23	
44/ 43																				1	9	
42/ 41																					13	
40/ 39																					6	
38/ 37																					1	
<b>TOTAL</b>	<b>2.7</b>	<b>51.7</b>	<b>33.6</b>	<b>8.6</b>	<b>2.5</b>	<b>.5</b>	<b>.4</b>											<b>837</b>	<b>837</b>	<b>837</b>	<b>837</b>	

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

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	6152692	71406	85.3	8.536	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3400436	53086	63.4	6.330	837			30.7	6.3			93
Wet Bulb	3124029	50845	60.7	6.504	837			20.3	1.0			93
Dew Point	2949403	49313	58.9	7.260	837			15.6	.3			93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

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NIAGARA FALLS NY  
 STATION NAME

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PAGE 1 0630-0  
 HOURS (L.S.)

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 De
92/ 91					.2													2	2	
84/ 79		.1		.4	.1													5	5	
76/ 77	.1	.8	.6	1.1	.2													24	24	5
76/ 75		.6	1.1	1.3	.6													30	30	6
74/ 73	.2	1.8	3.6	2.0	.7	.1												71	71	26
72/ 71		3.5	3.8	2.2	.7	.1	.1											87	87	46
70/ 69	.2	3.7	4.0	2.6	.6	.1												94	94	84
68/ 67	.1	3.7	5.0	3.4	.8	.4												112	112	76
66/ 65	.4	3.5	4.6	1.6	.2	.1	.1											87	87	93
64/ 63	.1	5.8	3.5	2.5	.5	.1												104	104	107
62/ 61	.5	3.5	2.9	1.4	.5													73	73	109
60/ 59	.5	2.8	2.2	1.2	.4	.1												59	59	86
58/ 57		1.7	1.7	.5			.1											33	33	72
56/ 55		1.8	1.1	.4	.2													29	29	41
54/ 53		.5	.5	.4														11	11	41
52/ 51		.1	.5	.1														6	6	18
50/ 49		.1	.4															4	4	8
48/ 47		.2																2	2	11
46/ 45		.1																1	1	4
44/ 43																				1
42/ 41																				
38/ 37																				
34/ 33																				
TOTAL	2.2	34.3	35.3	21.0	5.9	1.1	.4											834	834	834

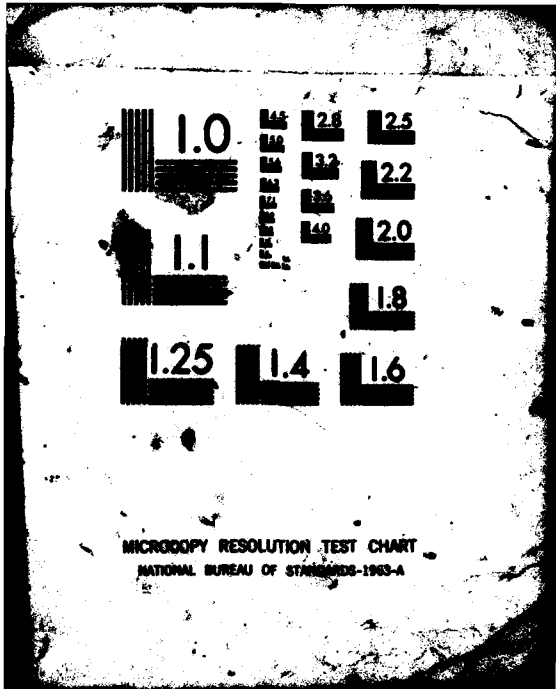
FORM NO. 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	3692181	55259	66.3	6.085	834			47.4	14.7	.4		
Wet Bulb	3322585	52395	62.8	6.094	834			27.1	4.1			
Dew Point	3105574	50570	60.6	6.863	834			20.7	2.1			

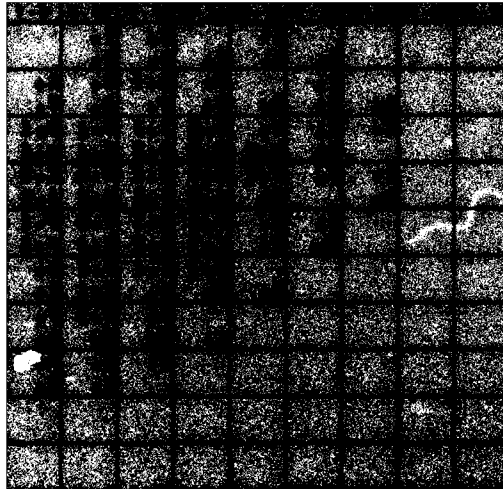
AD-A116 089 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NIAGARA FALLS, NEW YORK, REVISED UNIFORM SUMMARY OF SURFACE WFA--ETC (11)  
APR 82  
UNCLASSIFIED USAFETAC/DS-82/021 SBI-AD-E850 166 NL

5 5

END  
8 82  
814



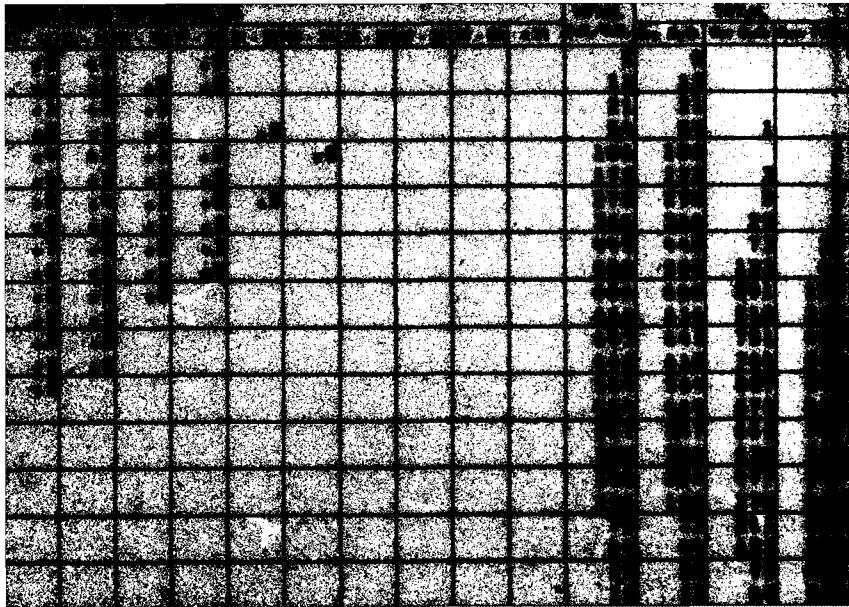














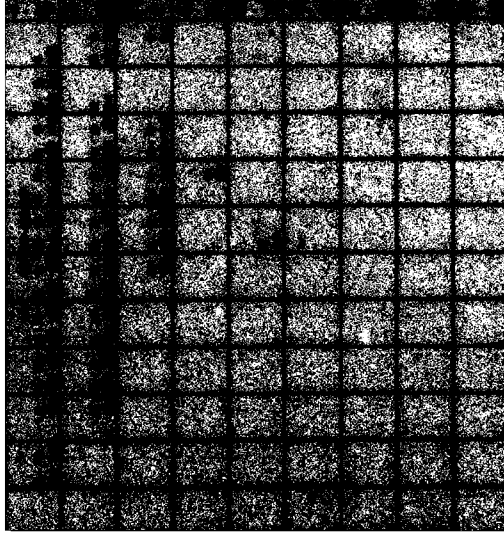


FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/AFSC

**PSYCHROMETRIC SUMMARY**

STATION: TERROT LOCATION: NIAGARA FALLS NY YEAR: 73-01 MONTH: SEP  
 PAGE 1 0000-0000  
U.S. S. I. T.

Temp. (°F)	WINDS PER HOUR PER HOUR OF DAY																			TOTAL No. Obs.	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	Wet Bulb	Wet Bulb		Wet Bulb	Wet Bulb			
70/ 77		.1																			3				
70/ 78		.1	.6			.1	.1														8			2	1
70/ 73	.3	.4	1.0	.4																	16	17		2	1
72/ 71	.1	.8	1.0	.5	.1																28	23	17	17	5
70/ 69		1.0	1.0	1.0	.1																37	61	19	29	5
68/ 67		1.0	2.0	.4	1.0	.1			.1												48	67	27	26	5
66/ 65	.1	1.0	1.0	1.0	.1	.3															36	61	29	23	5
64/ 63	.3	2.0	2.1	1.0	.4	.1			.1												61	61	62	22	5
62/ 61		1.0	1.0	1.1	.3																38	58	48	42	5
60/ 59	.1	2.7	3.3	2.1	.4																60	69	62	45	5
58/ 57		2.0	4.2	1.0	.4			.1													70	71	58	45	5
56/ 55	.1	4.0	2.0	1.0	.1	.3															71	71	72	67	5
54/ 53	.4	3.0	1.0	1.0	.4																81	87	84	69	5
52/ 51	.1	3.0	2.5	.3	.1																40	69	70	70	5
50/ 49		1.0	1.0	1.0	.1																30	60	60	60	5
48/ 47		2.0	1.4	.4																	30	61	44	60	5
46/ 45		1.0	1.1																		23	38	38	40	5
44/ 43		1.0	.4	.3																	10	20	30	30	5
42/ 41		.4	.3	.3																	11	17	18	18	5
40/ 39		.4	.4	.4																	6	6	12	12	5
38/ 37		.4	.3																		7	7	6	6	5
36/ 35		.4	.3																		3	3	6	6	5
34/ 33		.4																			1	1	2	2	5
32/ 31																									5
30/ 29																									5
28/ 27																									5
26/ 25																									5
TOTAL		1.0	1.0	1.0	1.0	.4	.4	.4	.1	.1											702	818	708	702	5



1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725207 NIAGARA FALLS NY 73-61 SEP

PAGE 1 1200-1400  
MONTH (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		0-31	Day	Wet Bulb
90/ 89								.3	.4	.5	.1						10	10		
88/ 87								.3	.1	.5							3	3		
86/ 85						.1	.3	.3		.3							7	8		
84/ 83					.1	.4	.1			.5							9	11		
82/ 81			.1	.4	.3	.1	.9			.1							17	17		
80/ 79		.1	.4	.8	.6	.5	.3			.3		.1					28	27		
78/ 77		.1	1.1	1.4	1.4	.6	.6	.4	.3	.1							54	54	4	
76/ 75		.1	.9	.8	2.0	.9	.8	.8	.1								48	53	9	
74/ 73		.9	.8	.9	1.9	1.9	1.1		.1								60	60	24	6
72/ 71	.5	1.4	1.1	1.0	2.5	1.4	.9	.1		.1							73	74	25	8
70/ 69	.3	1.8	.8	1.1	1.4	1.3	1.3	.8									60	62	37	20
68/ 67	1.1	1.0	1.4	2.1	1.4	1.4	1.0										77	77	64	23
66/ 65	.3	.4	1.1	3.4	1.9	1.4	1.0										77	77	56	42
64/ 63	1.0	.9	.8	1.8	1.8	1.6	.1										61	61	60	32
62/ 61	.8	.9	1.8	1.4	1.4	.6	.1										49	49	77	47
60/ 59	.6	.8	1.4	.4	1.4	.4	.3										41	44	74	54
58/ 57	1.4	1.0	.3	1.8	1.3	.1											44	44	70	53
56/ 55	.9	.9	.6	1.4	.8	.3											34	34	76	57
54/ 53	.3	1.0	.8	1.0	.1	.4											33	33	78	54
52/ 51		.1		.3													3	3	48	41
50/ 49		.1	.4														4	4	39	37
48/ 47																			32	49
46/ 45			.1														1	1	10	25
44/ 43																			7	38
42/ 41																				39
40/ 39																				31
38/ 37																				21
36/ 35																				10
34/ 33																				4
32/ 31																				2
30/ 29																				3
28/ 27																				1
26/ 25																				1

FORM 5-65 (OL A) AIR WEATHER SERVICE USE ONLY

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEAR

SEP  
MONTH

PAGE 2 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
TOTAL	.1	7.8	10.5	13.0	20.1	20.7	14.5	9.3	2.8	.9	.3							792	810	792	792

FORM 26-5 (OLA) 6-63  
 GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC

Element (K)	$\Sigma 1$	$\Sigma 2$	$\Sigma$	$\bar{c}$	No. Obs.	Rate (No. of Hours with Temperature)					Total	
						$\leq 3^{\circ}$	$3^{\circ}-5^{\circ}$	$5^{\circ}-7^{\circ}$	$7^{\circ}-9^{\circ}$	$9^{\circ}-11^{\circ}$	$\geq 11^{\circ}$	
Wet Bulb	3176704	48754	61.6	14.8%	792	287	147	178	138	60	62	90
Dry Bulb	3800853	58069	58.8	8.2%	810	332	188	212	138	33	9	90
Dew Point	2897534	47331	52.8	6.3%	792	332	188	212	138	33	9	90

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEAR

SEP  
 MONTH

PAGE 1 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
92/ 91																		1	1	
90/ 89																		2	2	
88/ 87																		6	6	
86/ 85																		14	14	
84/ 83																		18	19	
82/ 81																		16	18	
80/ 79																		21	23	
78/ 77																		32	34	4
76/ 75																		52	53	14
74/ 73																		64	66	17
72/ 71																		62	62	26
70/ 69																		67	67	38
68/ 67																		73	73	61
66/ 65																		74	74	64
64/ 63																		62	62	53
62/ 61																		60	61	78
60/ 59																		49	51	77
58/ 57																		48	49	74
56/ 55																		33	33	91
54/ 53																		22	22	69
52/ 51																		14	14	54
50/ 49																		3	3	26
48/ 47																		1	1	31
46/ 45																				19
44/ 43																				4
42/ 41																				4
40/ 39																				32
38/ 37																				1
36/ 35																				8
34/ 33																				8
32/ 31																				7
30/ 29																				1
28/ 27																				1
26/ 25																				1
Element (X)	2 <sub>1</sub>	2 <sub>2</sub>	2 <sub>3</sub>	2 <sub>4</sub>	2 <sub>5</sub>	2 <sub>6</sub>	2 <sub>7</sub>	2 <sub>8</sub>	2 <sub>9</sub>	2 <sub>10</sub>	2 <sub>11</sub>	2 <sub>12</sub>	2 <sub>13</sub>	2 <sub>14</sub>	2 <sub>15</sub>	2 <sub>16</sub>	2 <sub>17</sub>	2 <sub>18</sub>	2 <sub>19</sub>	2 <sub>20</sub>
Wet Bulb																				
Dew Point																				

FORM 0-36-3 (OL A) REPRODUCED BY THE AIR FORCE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

**722207** NIAGARA FALLS NY  
STATION STATION NAME

73-81  
YEAR

SEP  
MONTH

PAGE 2 1950-1959  
PERIOD

Temp. (F)	WET BULB TEMPERATURE DEPENDENCY (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	0-31	Wet Bulb	Wet Bulb	Wet Bulb	Wet Bulb	Wet Bulb
TOTAL		7.2	11.0	13.3	19.0	22.0	4.8	7.6	3.4	1.1	.8							792	818	792	792	792

USAFETAC (GLOBAL CLIMATOLOGY BRANCH) AIR WEATHER SERVICE/MAC















GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIADARA FALLS NY STATION NAME

73-81

OCT

PAGE 1 0000-1100  
FORM T. 6. 1. 1

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	0-31	Dry Bulb	Wet Bulb		Dew Point		
80/ 79																					1	1	
76/ 75								.1													1	1	
74/ 73								.2													1	1	
72/ 71					.2			.2													1	1	
70/ 69				.4	.4			.2													1	1	
68/ 67				.6	.7			.2													1	1	
66/ 65			.2	.6	1.0			.2													1	1	
64/ 63		.8	.7	1.1	.7			.2													1	1	
62/ 61		1.2	.7	1.6	.8			.2		.2											1	1	
60/ 59		1.3	1.1	1.6	1.1			.2		.2											1	1	
58/ 57		.8	1.0	1.6	1.0			.2		.1											1	1	
56/ 55	.1	1.0	1.1	1.6	1.1			.2													1	1	
54/ 53	.1	1.1	1.1	1.6	1.1			.2													1	1	
52/ 51	.1	1.0	1.1	1.6	1.1			.2													1	1	
50/ 49	.1	1.1	1.1	1.6	1.1			.2													1	1	
48/ 47	.2	1.0	1.1	1.6	1.1			.2													1	1	
46/ 45		1.0	1.1	1.6	1.1			.2													1	1	
44/ 43		1.0	1.1	1.6	1.1			.2													1	1	
42/ 41		1.1	1.1	1.6	1.1			.2													1	1	
40/ 39		.8	1.1	1.6	1.1			.2													1	1	
38/ 37		.4	.6	.6	.4			.2													1	1	
36/ 35			.4	.4	.4			.2													1	1	
34/ 33	.1		.4	.4	.4			.2													1	1	
32/ 31			.4	.4	.4			.2													1	1	
30/ 29								.2													1	1	
28/ 27								.2													1	1	
26/ 25								.2													1	1	
24/ 23								.2													1	1	
22/ 21								.2													1	1	
20/ 19								.2													1	1	
18/ 17								.2													1	1	

2  
 FEDERAL CLIMATOLOGY BRANCH  
 WSPETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

728207 NIAGARA FALLS NY  
STATION STATION NAME

73-81  
YEAR

OCT  
MONTH

PAGE 1 1200-1400  
FORM U. S. G. 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL P.H./P.H.	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		Day	Sub	Max	Min
82/ 81							.1											1				
80/ 79							.2											2				
78/ 77																		1				
76/ 75						.5	.7	.1	.1									13				
74/ 73				.1	.4	.7	.6	.5	.5									23				
72/ 71				.7	.1	1.0	.8	.8	.8									21				
70/ 69	.1		.1	.7	1.0	.8	.8	.8	.8									24				
68/ 67		.5		.7	1.0	.8	.8	.8	.8									20				
66/ 65	.1	.5	1.0	1.4	.7	.6	.6	.6	.6									43			14	
64/ 63	.4	.6	1.0	1.2	1.7	1.5	.8	.8	.8									57			24	
62/ 61	.1	.2	1.4	.6	1.2	.8	.8	.8	.8									43			21	
60/ 59	.4	.6	1.1	1.2	1.6	1.2	.8	.8	.8									42			24	
58/ 57	.4	.6	1.4	1.6	1.6	1.4	.8	.8	.8									44			21	
56/ 55	.4	1.2	1.6	2.3	1.8	.8	.1											44			21	
54/ 53	1.4	1.6	2.3	2.7	.8	.2												57			24	
52/ 51	1.6	.8	2.6	3.2	.8													58			24	
50/ 49	.8	1.6	2.6	2.6	.1													52			24	
48/ 47	1.6	.7	2.6	2.6	.1	.1												52			24	
46/ 45	1.7	1.7	2.6	1.7	.1													52			24	
44/ 43	1.6	1.6	.8	.8														52			24	
42/ 41	.8	.7	.8	.8														52			24	
40/ 39	.8	1.2	.8	.8														52			24	
38/ 37			.8	.1														52			24	
36/ 35			.2															52			24	
34/ 33																		52			24	
32/ 31																		52			24	
30/ 29																		52			24	
28/ 27																		52			24	
26/ 25																		52			24	
24/ 23																		52			24	
22/ 21																		52			24	
20/ 19																		52			24	
18/ 17																		52			24	
16/ 15																		52			24	
14/ 13																		52			24	
12/ 11																		52			24	
10/ 9																		52			24	
8/ 7																		52			24	
6/ 5																		52			24	
4/ 3																		52			24	
2/ 1																		52			24	



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287  
STATION

NIAGARA FALLS NY  
STATION NAME

73-81  
YEARS

OCT  
MONTH

PAGE 1 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					
82/ 81								.1												1	1				
80/ 79								.1												3	3				
78/ 77							.2		.1											3	3				
76/ 75					.1		.2	.1												4	4				
74/ 73				.2	.2	.4		.1												12	12				
72/ 71			.2	.7	.7	1.0	.8	.1	.1											36	36				
70/ 69		.1	1.0	.5	1.0	.2	.1		.1		.1									29	29				
68/ 67		.2	.2	1.0	1.2	1.2	.5				.1									36	36	2			
66/ 65	.1	.6	1.6	.8	.8	1.1	.1	.1												41	41	13			
64/ 63	.7	.6	.8	1.6	.6	.7	.2	.4	.1											48	48	21			
62/ 61	.2	.1	1.3	.6	.8	.6	.1													32	32	36			
60/ 59	.4	1.0	1.9	1.1	.8	.6	.2													50	50	40			
58/ 57	.2	.8	1.6	1.4	1.3	1.1	.4													54	54	42			
56/ 55	1.2	1.8	1.8	1.9	1.8	.7	.1													70	70	58			
54/ 53	1.3	1.1	2.2	2.2	.2		.1													68	68	60			
52/ 51	.1	.8	1.8	1.4	3.8	.4														64	64	60			
50/ 49	.1	.8	2.2	3.9	1.8															73	73	62			
48/ 47	.1	1.0	1.7	1.8	1.8	.4	.1													57	57	77			
46/ 45	.2	1.4	1.9	1.9	1.1	.6														58	58	92			
44/ 43	.2	1.0	1.4	1.7	.7	.1														42	42	89			
42/ 41	.1	.7	.8	1.0	.4															23	23	63			
40/ 39	.1	.8	.8	.8	.1															14	14	68			
38/ 37		.7	.4	.4	.2															14	14	71			
36/ 35		.1	.8	.8	.1															6	6	22			
34/ 33			.1	.2																2	2	29			
32/ 31																						6			
30/ 29																						6			
28/ 27																						6			
26/ 25																						6			
24/ 23																						6			
22/ 21																						6			
20/ 19																						6			
18/ 17																						6			
16/ 15																						6			

USE GLOBE FOR CORRECTING TEMPERATURES OF WET BULB AND DEW POINT  
 USE GLOBE FOR CORRECTING WIND SPEED AND DIRECTION  
 USE GLOBE FOR CORRECTING PRESSURE  
 USE GLOBE FOR CORRECTING HUMIDITY  
 USE GLOBE FOR CORRECTING VISIBILITY  
 USE GLOBE FOR CORRECTING CLOUDS  
 USE GLOBE FOR CORRECTING PRECIPITATION  
 USE GLOBE FOR CORRECTING FOG  
 USE GLOBE FOR CORRECTING HAZE  
 USE GLOBE FOR CORRECTING RAIN  
 USE GLOBE FOR CORRECTING SNOW  
 USE GLOBE FOR CORRECTING Sleet  
 USE GLOBE FOR CORRECTING Ice  
 USE GLOBE FOR CORRECTING Thunder  
 USE GLOBE FOR CORRECTING Wind  
 USE GLOBE FOR CORRECTING Storm  
 USE GLOBE FOR CORRECTING Tornado  
 USE GLOBE FOR CORRECTING Other

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

725207 STATION      NIAGARA FALLS NY STATION NAME      73-01 YEARS      OCT 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
TOTAL	1.1	10.5	16.5	25.0	21.7	10.0	8.1	3.2	1.1	.5	.6	.1						037	037	037	

Station (H)	Dry Bulb	Wet Bulb	Wet Bulb	No. Obs.	Dist. No. of Hours with Temperature					Total
					≤ 0 F	≤ 10 F	≤ 20 F	≥ 70 F	≥ 90 F	
Dry Bulb	80738	48055	48055	037				837	0.0	037
Wet Bulb	80738	48055	48055	037	103	03				037
Dew Point	80738	48055	48055	037	146					037

USAFETAC FORM 8-20-5 (OL.A) LIMITED REMOVAL DEVIATION OF THIS FORM AND GRAPHIC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000

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
74/ 73						.1												1	1	
72/ 71						.2												2	2	
70/ 69				.1	.4	.7	.1											11	11	
68/ 67			.2	.5	.8	.1	.2	.1										18	18	
66/ 65			.7	.4	.5	.2	.1											20	20	
64/ 63		1.0	.4	.4	.4	.1	.2											20	20	0
62/ 61	.2	.8	.7	.7	.7	.6												32	32	21
60/ 59		.5	2.0	.7	.6	.2	.1											35	35	25
58/ 57		1.6	2.6	1.3	.6	.4												54	54	28
56/ 55		1.7	2.4	1.9	.7	.5	.1											61	61	44
54/ 53	.1	1.3	2.8	2.2	.6	.2	.2											62	62	66
52/ 51	.1	1.3	2.5	2.3	.5	.2	.1											59	59	52
50/ 49	.1	1.3	3.8	2.0	.7	.2												69	69	61
48/ 47		2.6	2.4	4.1	1.0	.1												85	85	61
46/ 45	.2	2.4	4.5	3.6	.2	.2												94	94	85
44/ 43	.1	1.9	3.7	1.1	.7													63	63	62
42/ 41		2.0	2.8	1.4	.2													54	54	109
40/ 39	.5	1.6	1.7	1.1	.1													41	41	78
38/ 37		1.7	.7	.7														26	27	54
36/ 35		.6	.4	.5	.1													13	13	34
34/ 33			.4	.6	.1													9	9	23
32/ 31			.6		.2													7	7	47
30/ 29																				0
26/ 27																				10
26/ 25																				2
24/ 23																				
22/ 21																				
20/ 19																				
18/ 17																				
16/ 15																				
14/ 13																				
10/ 9																				
TOTAL	1.4	22.2	35.3	25.1	8.7	5.1	1.1	.5	.2	.1								636	637	636
Element (X)	Σ <sub>1</sub>		Σ <sub>2</sub>		Σ <sub>3</sub>		Σ <sub>4</sub>		Σ <sub>5</sub>		Σ <sub>6</sub>		Σ <sub>7</sub>		Σ <sub>8</sub>		Σ <sub>9</sub>		Σ <sub>10</sub>	
Ref. Num.	6495853		60281		72.1		13.418		836		= 6 F		= 32 F		= 67 F		= 73 F		= 80 F	
Dry Bulb	216538		4198		80.2		8.334		637		= 0		= 0		= 0		= 0.1		= 0	
Wet Bulb	180722		3833		45.9		7.158		636		= 0		= 0		= 0		= 0		= 0	
Dew Point	148291		3431		61.1		9.179		636		= 0		= 0		= 0		= 0		= 0	

2

USAFETAC FORM 0-26-5 (OL A) - REVERSE SERVICE BRANCH OF THE TOWNSHIP OF COBURN



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY  
STATION STATION NAME

73-81  
YEAR

OCT  
MONTH

PAGE 1

ALL

FORM L-2 (7)

Temp. (F)	WET BULB TEMPERATURE DEFICIENCY (F)																				TOTAL HOURS	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dry Bulb	TOTAL Wet Bulb	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	0-31									
82/ 81							.0	.0												2	2					
80/ 79							.0	.0												4	4					
78/ 77							.0	.0												4	4					
76/ 75						.0	.1	.1	.0	.0	.0	.0	.0							10	10					
74/ 73				.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0				40	40					
72/ 71			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		60	60					
70/ 69	.0	.1	.1	.2	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		90	90		2			
68/ 67			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		127	127		4			1
66/ 65		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		159	159		5			
64/ 63		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		210	210		7			
62/ 61	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		252	252		10			1
60/ 59	.1	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		312	312		14			
58/ 57		1.1	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		353	353		17			
56/ 55	.1	1.7	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		400	400		20			
54/ 53	.1	1.8	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		439	439		21			
52/ 51	.1	1.0	2.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		482	482		24			
50/ 49	.1	2.0	3.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		521	521		27			
48/ 47	.1	3.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		570	570		30			
46/ 45	.1	2.0	3.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		587	587		30			
44/ 43	.1	2.0	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		588	587		30			
42/ 41	.0	2.2	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		610	610		30			
40/ 39	.1	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		582	582		30			
38/ 37	.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		552	552		30			
36/ 35		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		170	170		30			
34/ 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		122	122		21			
32/ 31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		70	70		18			
30/ 29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		22	22		10			
28/ 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		15	15		5			
26/ 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		7	7		3			
24/ 23																							1			
22/ 21																										
20/ 19																										
18/ 17																										
16/ 15																										

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 FORM L-2 (7)





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U.S. AIR FORCE  
METEOROLOGICAL SERVICE

**PSYCHOLOGICAL SUMMARY**

STATION VIENNA FALLS NY TIME 0600 DATE 01/01/68

PAGE 2  
**SECRET**

Test	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	Total			
																										Raw	Scale		
TOTAL	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

TESTS ADMINISTERED: GALT, O-1, O-2, O-3, O-4, O-5, O-6, O-7, O-8, O-9, O-10, O-11, O-12, O-13, O-14, O-15, O-16, O-17, O-18, O-19, O-20, O-21, O-22, O-23, O-24, O-25, O-26, O-27, O-28, O-29, O-30, O-31, O-32, O-33, O-34, O-35, O-36, O-37, O-38, O-39, O-40, O-41, O-42, O-43, O-44, O-45, O-46, O-47, O-48, O-49, O-50, O-51, O-52, O-53, O-54, O-55, O-56, O-57, O-58, O-59, O-60, O-61, O-62, O-63, O-64, O-65, O-66, O-67, O-68, O-69, O-70, O-71, O-72, O-73, O-74, O-75, O-76, O-77, O-78, O-79, O-80, O-81, O-82, O-83, O-84, O-85, O-86, O-87, O-88, O-89, O-90, O-91, O-92, O-93, O-94, O-95, O-96, O-97, O-98, O-99, O-100.



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

78207 NIABARA FALLS NY 72-81 807

PAGE 1 800-1992

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°)																	TOTAL W-B/D	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	0-21		W-B	W-B/D	W-B/D	W-B/D
66/ 68				.1														2	2			
69/ 63		.1	.1	.1														3	3			
62/ 61		.1	.1	.1	.1													4	4			
60/ 59		.1	.1	.1	.1	.1												5	5			
58/ 57	.1	1.1	.1	.1	.1													6	6			
56/ 55		.1	.1	.1	.1	.1												7	7			
54/ 53		1.1	.1	.1	.1	.1												8	8			
52/ 51		2.1	.1	.1	.1	.1												9	9			
50/ 49	.1	3.1	1.1	.1	.1	.1												10	10			
48/ 47		1.1	2.1	.1	.1	.1												11	11			
46/ 45		3.1	1.1	1.1	.1	.1												12	12			
44/ 43		1.1	2.1	.1	.1	.1												13	13			
42/ 41		1.1	3.1	.1	.1	.1												14	14			
40/ 39		3.1	2.1	.1	.1	.1												15	15			
38/ 37	.1	4.1	3.1	.1	.1	.1												16	16			
36/ 35	.1	3.1	2.1	.1	.1	.1												17	17			
34/ 33	.1	4.1	3.1	.1	.1	.1												18	18			
32/ 31		3.1	2.1	.1	.1	.1												19	19			
30/ 29	.1	4.1	3.1	.1	.1	.1												20	20			
28/ 27	.1	3.1	2.1	.1	.1	.1												21	21			
26/ 25		1.1	.1	.1	.1	.1												22	22			
24/ 23		.1	.1	.1	.1	.1												23	23			
22/ 21	.1	.1	.1	.1	.1	.1												24	24			
20/ 19		.1	.1	.1	.1	.1												25	25			
18/ 17		.1	.1	.1	.1	.1												26	26			
16/ 15																		27	27			
14/ 13																		28	28			
12/ 11		.1																29	29			
10/ 9		.1																30	30			
8/ 7																		31	31			
TOTAL		2.498	1.875	1.400	1.000	0.700												316	316			

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

722207 NIAGARA FALLS NY 73-81 NOV

PAGE 1 8900-1180  
FORM U. S. G. 1

Temp. (F)	WET BULB TEMPERATURE DEVIATIONS (F)																				TOTAL P.H./H.A.	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		Wind Speed			
76/ 78						.1															1	1			
72/ 71						.1																1	1		
70/ 69				.2																		2	2		
68/ 67			.1	.2	.5																	3	3		
66/ 65			.1	.1		.2																4	4	1	
64/ 63		.5	.2	.2	.1																	7	7	4	
62/ 61	.2	.4	.2	.2	.2	.2	.1															19	19	9	1
60/ 59		1.0	.8	.6	.4	.2	.2															24	24	11	6
58/ 57		.7	.7	.7	.7	.6																24	24	14	10
56/ 55		1.1	.8	.8	1.2		.1															26	26	20	11
54/ 53	.2	1.7	1.0	1.0	.7																	42	42	26	14
52/ 51		1.1	1.5	.8	.6	.5																29	29	30	21
50/ 49		1.2	.7	.8	.7																	27	27	32	22
48/ 47	.2	1.0	1.2	2.0	.8	.1																42	42	41	25
46/ 45		1.7	2.0	2.0	.6	.1																38	38	26	20
44/ 43	.1	2.0	2.0	2.0		.1																71	71	47	31
42/ 41		2.0	4.0	2.7	.1																	71	71	64	31
40/ 39	.1	2.0	3.2	1.0																		71	71	71	40
38/ 37		2.0	3.0	1.0																		52	52	72	44
36/ 35	.2	2.2	2.0	1.2																		50	50	60	44
34/ 33		2.0	4.0	.2	.2																	54	54	54	44
32/ 31		2.0	0.0	.2																		67	67	66	44
30/ 29	.4	1.0	1.0																			24	24	74	47
28/ 27		.6	.7																			26	26	24	21
26/ 25		.2																				4	4	14	21
24/ 23		.2																				4	4	4	4
22/ 21		.1																				1	1	1	1
20/ 19		.1																				1	1	1	1
18/ 17																						1	1	1	1
16/ 15		.2																				1	1	1	1
14/ 13																						1	1	1	1
12/ 11		.2																				1	1	1	1
10/ 9																						1	1	1	1
8/ 8																						1	1	1	1







GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725207 NIAGARA FALLS NY  
STATION STATION NAME

73-01  
YEARS

NOV  
MONTH

PAGE 1 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																
72/ 71					.1	.1																										2	2			
70/ 69					.1																												1	1		
68/ 67			.1		.2	.1	.4																										7	7		
66/ 65		.1	.4	.4	.2	.2	.4																										14	14		
64/ 63		.1	.7	.5	.1	.2	.4	.2																									19	19	4	
62/ 61		.4	.1	.5	.1	.1	.2	.2																									12	12	7	1
60/ 59		1.1	.5	.2	.2	.4	.2	.2																									22	22	14	7
58/ 57		.5	.6	1.6	.6	.4	.2	.1																									33	33	16	12
56/ 55	.1	.9	.5	.7	1.1	.4																											30	30	19	16
54/ 53		.5	.9	1.2	1.0	.2																											31	31	25	11
52/ 51		1.1	1.2	.7	1.1	.4	.2																										39	39	29	14
50/ 49	.2	1.2	1.5	1.7	1.6	.4																											54	54	44	23
48/ 47		.9	1.6	2.2	1.5	.1	.1																										52	52	34	26
46/ 45	.1	1.5	1.5	2.2	1.2																												53	53	43	37
44/ 43	.1	1.2	1.7	2.6	1.1																												55	55	54	30
42/ 41	.2	1.4	1.9	2.7	1.0																												55	55	62	34
40/ 39		1.4	4.8	3.0	.1																												75	75	60	43
38/ 37		3.5	3.8	1.7																													73	73	58	43
36/ 35	.1	1.1	3.0	1.1																													43	43	99	42
34/ 33		2.7	3.5	.2																													52	52	69	61
32/ 31		2.6	2.9	.4																													44	44	54	49
30/ 29	.2	.4	2.0	.2																													23	23	58	66
28/ 27		.2	.5																														6	6	24	55
26/ 25		.5	.4																														7	7	18	76
24/ 23	.1		.2																														3	3	7	34
22/ 21			.1																														1	1	4	36
20/ 19	.1	.1																															2	2	3	24
18/ 17	.1																																1	1	2	12
16/ 15		.1																															1	1		6
14/ 13																																			1	2
12/ 11																																				7
10/ 9																																				1
8/ 7																																				2

10-0-2-5 (OL A) STATION NUMBER OF THE FORM AND CHANGE  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-81  
 YEARS

YEARS

NOV  
 MONTH

PAGE 1 1800-2000  
 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																	
66/ 65				.1																													1	1			
64/ 63			.4	.2	.1																													6	6		
62/ 61		.4	.2	.2	.1	.1																												9	9		
60/ 59		1.2	.7	.2	.4	.1																												22	22	8	
58/ 57		1.2	.6	.1	.4	.5	.4																											26	26	20	
56/ 55		2.1	.5	.7	.4																													30	30	17	
54/ 53		.6	1.1	.5	.5																													22	22	22	
52/ 51		1.4	1.5	.9	.5	.1																												35	35	14	
50/ 49		1.5	1.5	1.5	.9																													43	43	37	
48/ 47		1.4	1.2	.6	.5																													30	30	39	
46/ 45		2.1	1.5	2.2	.5																													51	51	34	
44/ 43		2.7	2.7	1.6																														87	87	43	
42/ 41		2.1	3.7	2.9	.5																													70	70	50	
40/ 39	.1	2.1	5.6	1.5	.1																													76	76	63	
38/ 37	.2	2.0	4.9	1.1	.1																													68	68	75	
36/ 35	.1	2.7	3.3	1.0																														58	58	79	
34/ 33		1.9	4.8	.6																														59	59	74	
32/ 31	.4	3.6	3.7	.2																														64	64	88	
30/ 29	.2	1.5	2.1																															31	31	81	
28/ 27	.1	1.4	1.4	.1																														24	24	34	
26/ 25	.1	1.0	.2																															11	11	33	
24/ 23	.2	.1	.1																															4	4	17	
22/ 21		.4	.2																															5	5	3	
20/ 19		.1	.1																															2	2	2	
18/ 17		.2																																2	2	4	
16/ 15		.1																																1	1	2	
14/ 13		.1																																1	1	1	
12/ 11																																			1	1	1
10/ 9		.1																																1	1	1	
8/ 7																																					
6/ 5																																					
4/ 3																																					
TOTAL		1.434	.042	.315	.9	4.9	.9	.4																										809	810	809	
Element (K)		2 <sup>1</sup>			2 <sup>1</sup>																																
Rel. Hum.		4517216			59656					73.7	12.093																										
Dry Bulb		1486401			33487					41.3	9.433																										98
Wet Bulb		123828			30774					38.0	8.983																										98
Dew Point		98896			26960					33.3	10.333																										98
		Mean No. of Hours with Temperature																				Total															
		≤ 6 F					≤ 32 F					≥ 67 F					≥ 73 F					≥ 80 F					≥ 93 F										

USAFETAC FORM 0-26-5 (O.L.A.) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIABARA FALLS NY

73-81

NOV

STATION STATION NAME YEARS

PAGE 2 2100-2300  
(FORM 6. 5. 7.)

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.	Wet Bulb	Wet Bulb	Wet Bulb			
TOTAL	3.2	5.0	3.0	0.9	2.4	2.1	.7	.4										889	816	889	889			

USAFETAC FORM 6-36-5 (OL A) OTHER WEATHER SERVICES OF THE TROOP ARE OBLIGATED

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL  
 CODE (L. S. V.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL P.S./W.S.	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
78/ 77							.0											2	2		
76/ 75							.0											2	2		
72/ 71						.0	.0											3	3		
70/ 69				.0	.1													9	9		
68/ 67		.0	.0	.0	.1	.1	.1											24	24	1	
66/ 65		.0	.1	.2	.1	.1	.1											39	39	4	1
64/ 63		.1	.3	.3	.1	.1	.1	.1										70	70	14	2
62/ 61	.0	.3	.2	.2	.2	.2	.1	.0	.0									83	83	24	11
60/ 59		.9	.8	.5	.3	.2	.0	.0										140	140	72	29
58/ 57	.0	.7	.6	.6	.3	.2	.1	.0										100	100	101	75
56/ 55	.0	1.2	.6	.6	.5	.0	.1											181	181	132	102
54/ 53	.1	1.3	1.0	.9	.6	.2	.0											250	250	179	100
52/ 51	.0	1.5	1.4	.6	.5	.2	.0											275	275	199	101
50/ 49	.1	1.5	1.4	1.1	.6	.2	.0											317	317	279	152
48/ 47	.0	1.3	1.3	1.3	.6	.1	.0											322	322	291	197
46/ 45	.1	1.8	1.8	1.7	.6	.0												345	345	271	220
44/ 43	.1	2.1	2.3	1.8	.3	.0												440	441	364	231
42/ 41	.0	2.1	2.3	1.8	.3	.0												491	491	379	250
40/ 39	.1	3.0	4.0	1.6	.1													600	601	460	317
38/ 37	.2	3.3	3.7	1.2	.0													637	637	460	350
36/ 35	.3	3.3	3.1	.8	.0													670	670	464	360
34/ 33	.1	2.7	3.0	.3	.0													650	650	470	370
32/ 31	.2	3.5	3.8	.2														680	681	464	370
30/ 29	.4	2.3	1.8	.1														660	660	460	370
28/ 27	.2	2.1	.6															190	190	360	400
26/ 25	.1	1.2	.4															180	180	370	400
24/ 23	.3	.4	.2															30	30	110	370
22/ 21	.2	.4	.0															20	20	60	370
20/ 19	.0	.1	.0															10	10	30	370
18/ 17	.0	.1	.0															0	0	10	370
16/ 15	.0	.1																0	0	0	370
14/ 13	.0	.1																0	0	0	370
12/ 11	.0	.1																0	0	0	370
10/ 9	.0	.1																0	0	0	370

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287  
 STATION

NIAGARA FALLS NY  
 STATION NAME

73-01  
 YEAR

NOV  
 MONTH

PAGE 2

ALL  
 DATA

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		0-31	Day	Wet Bulb	Wet Bulb
67 7	.0	.0																3	3	0	6
67 5																				1	1
47 3																					
27 1																					
07 -1																					
-27 -3																					
<b>TOTAL</b>	<b>2.55</b>	<b>7.23</b>	<b>6.91</b>	<b>5.5</b>	<b>5.3</b>	<b>1.7</b>	<b>.7</b>	<b>.2</b>	<b>.0</b>									<b>6974</b>	<b>6488</b>	<b>6074</b>	<b>6474</b>

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY  
STATION STATION NAME

73-81 YEAR

DEC MONTH

PAGE 1 0000-0000 (MOS L. 2, 1, 2)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL P.S./W.S.	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		Day	Both	Wet Bulb	Wet Bulb
60/ 59				.2														2		2		
58/ 57			.1	.5			.4											3		3		
56/ 55			.2	.1														3		3		
54/ 53			.1															1		1		3
52/ 51		.1			.1													2		2		0
50/ 49		.1	.1		.2	.1												4		4		1
48/ 47	.2	1.3	.2		.9													19		19		6
46/ 45	.1	.1	.1	.2														5		5	12	18
44/ 43		1.3	.2	.7														19		19	6	5
42/ 41	.1	1.0	.8	.0														16		16	18	9
40/ 39		1.6	.8	1.0														20		20	20	8
38/ 37	.0	3.0	1.0	1.1														49		49	30	18
36/ 35	.0	3.7	2.0	.2														56		56	40	18
34/ 33	1.2	5.2	2.0	.1														74		74	68	27
32/ 31	1.0	6.0	2.8	.8														92		92	87	78
30/ 29	2.0	4.0	2.9	.4														85		85	82	63
28/ 27	1.1	3.0	2.0	.2														63		63	74	57
26/ 25		4.2	1.0															49		49	57	72
24/ 23		3.1	1.1															38		38	68	31
22/ 21	.0	2.0	.0	.1														29		29	47	49
20/ 19	1.0	8.3	.7															63		63	44	49
18/ 17	.0	0.0	.4															31		31	30	52
16/ 15	.2	3.0	.1															28		28	31	55
14/ 13	.2	2.0	.4															28		28	28	52
12/ 11	.2	1.0																11		11	22	47
10/ 9	.1	.0	.1															8		8	8	22
8/ 7	.1	.0																4		4	8	25
6/ 5	.1	.1																1		1	1	11
4/ 3	.2	.1																8		8	8	18
2/ 1	.2	.2																4		4	7	12
0/ -1																		1		1	1	9
-2/ -3		.1																1		1	1	7
-4/ -5	.2																	1		1	1	6
-6/ -7																		1		1	1	3

REPRODUCTION OF THIS FORM IS PROHIBITED

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

DEC

STATION NAME

YEARS

PAGE 2

0000-0000  
(FORM G. S. 1.)

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	0-31	P.A./W.A.	Wet Bulb	Wet Bulb	Wet Bulb	
-10/-11																						1
-14/-15																						2
-16/-17																						1
<b>TOTAL</b>	11.0	89.6	21.6	5.0	.0	.5												037		030		
																		030		030		

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725267 NIAGARA FALLS NY  
STATION STATION NAME

73-81  
YEAR

YEAR

DEC  
MONTH

PAGE 1 0300-0500  
GROUP (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
60/ 59				.4													3	3		
58/ 57			.1	.1	.4												3	3		
56/ 55			.6														3	3	1	
54/ 53			.1	.1													2	2	2	
52/ 51		.2					.4										3	3	4	
50/ 49		.1				.4											4	4	7	.3
48/ 47		.2	.2			.1											5	5	1	10
46/ 45	.4	.7	.2	.2	.1												10	10	9	9
44/ 43		1.2	.6														15	15	9	18
42/ 41	.1	1.3	.7	.7													24	24	18	9
40/ 39		.4	.4	.4													11	11	16	10
38/ 37	.7	2.2	1.9	.2													42	42	18	12
36/ 35	1.1	2.4	1.6	.2													48	48	37	19
34/ 33	1.4	6.0	2.2	.5													84	84	72	32
32/ 31	1.1	7.1	2.6	.1													91	94	91	33
30/ 29	1.1	3.6	3.6	.2													71	71	65	64
28/ 27	1.8	8.0	2.9														81	81	73	72
26/ 25	.2	3.5	1.1														57	57	61	61
24/ 23		2.4	1.4														32	32	64	26
22/ 21	.4	2.6	1.0														24	24	41	24
20/ 19	1.2	4.6	.4														51	51	38	75
18/ 17	.5	6.4	.1														42	42	24	28
16/ 15	.4	3.4															31	31	33	36
14/ 13	.7	3.0	.4														24	24	24	29
12/ 11	.4	.4															4	4	28	28
10/ 9		.6															7	7	7	24
8/ 7		.4															6	6	7	28
6/ 5	.1	.8	.2														7	7	4	12
4/ 3																	7	7	2	11
2/ 1	.5	1.0															15	15	15	14
0/ -1	.1																1	1	1	9
-2/ -3																	1	1	1	10
-4/ -5																	1	1	1	9
-6/ -7	.4																1	1	1	1

USAFETAC  
FORM 0300-0500 (10/73)  
GROUP (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/WAC

# PSYCHROMETRIC SUMMARY

725287      NIAGARA FALLS NY      73-81      DEC

STATION

STATION NAME

YEAR

MONTH

PAGE 2      8308-8508

NO. OF DAYS

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	Day Bulb	Wet Bulb	Clear Pct				
-8/-9																								1
-12/-13																								1
-14/-15																								2
-16/-17																								1
-18/-19																								2
<b>TOTAL</b>	12.7	60.2	22.3	3.5	1.0	.4																837	834	

Station ID	Station Name	Year	Month	Day	Hour	Temp.	Wet Bulb	Clear Pct	Wind	Pressure	Humidity	Clouds	Remarks
725287	NIAGARA FALLS NY	73	DEC	81									

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 NIAGARA FALLS NY  
STATION STATION NAME

73-81  
YEARS

DEC  
MONTH

PAGE 1 8600-0000  
FORM (L. S. 1)

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	Day	Bulb	Wet Bulb	Over	Under
58/ 57				.1	.1													2	2				
56/ 55			.1	.1														2	2				
54/ 53			.7															9	9				
52/ 51	.1	.6																9	9			1	
50/ 49		.5		.4														7	7		13	2	
48/ 47	.1	.5	.2	.1														8	8		3	15	
46/ 45	.1	.5	.4	.2														10	10		6	8	
44/ 43		.6	.1	.1	.1													10	10		7	6	
42/ 41	.2	1.0	.5	.6	.1													20	20		14	7	
40/ 39	.4	.2	1.2															18	18		18	13	
38/ 37	.6	2.0	1.0	.8														43	43		20	10	
36/ 35	.7	3.4	2.0	.1														50	50		44	20	
34/ 33	1.3	5.0	2.3		.2													74	74		59	40	
32/ 31	1.7	7.1	2.8	.2														94	99		91	67	
30/ 29	.5	3.8	4.7	.2														77	77		78	63	
28/ 27	1.9	5.5	1.9															78	78		68	72	
26/ 25	.6	4.9	1.0															59	59		101	64	
24/ 23	.8	1.8	1.0															34	34		53	39	
22/ 21	.5	2.3	.5															27	27		33	40	
20/ 19	1.2	3.8	.2	.1														48	48		42	60	
18/ 17	.4	4.1	.1															38	38		41	34	
16/ 15	.4	3.6																33	33		34	47	
14/ 13	.6	3.1																31	31		38	34	
12/ 11	1.0	.8																18	18		30	39	
10/ 9	.1	1.4	.1															14	14		9	38	
8/ 7	.3	1.0																9	9		14	29	
6/ 5	.2	.4																8	8		13	17	
4/ 3	.2	.2																4	4		6	12	
2/ 1	.1																	1	1		1	16	
0/ -1	.3																	1	1		1	9	
-2/ -3																						7	
-4/ -5																						2	
-6/ -7	.4																						
-14/-15																						1	
Amount (H)	5.1	2.1																Mean No. of Hours with Temperature					
0-2 F																		0-2 F	0-2 F	0-2 F	0-2 F	0-2 F	Total
3-4 F																							
5-6 F																							
7-8 F																							
9-10 F																							
11-12 F																							
13-14 F																							
15-16 F																							
17-18 F																							
19-20 F																							
21-22 F																							
23-24 F																							
25-26 F																							
27-28 F																							
29-30 F																							
31 F																							



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725207 NIAGARA FALLS NY STATION STATION NAME

73-81 YEARS

DEC MONTH

PAGE 1 0900-1100  
FORM 1. 6. V. 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL P.A./H.S.	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						
60/ 59			.1																	1	1					
58/ 57		.2	.2			.1														2	2	1				
56/ 55		.4	.2			.1	.1													7	7	2				
54/ 53		.1	.2	.1			.1	.1												6	6	3				
52/ 51	.1	.1	.2	.1																5	5	5				
50/ 49			.1																	1	1	1				
48/ 47		.5	.2	.2			.1													9	9	4				
46/ 45		.8	.5			.2														13	13	7				
44/ 43		.8	.4	.4		.2														15	15	6				
42/ 41		.6	1.0	.8		.2														22	22	16				
40/ 39	.8	.6	.5	.7	.2															24	24	12				
38/ 37	.5	3.1	3.5	1.4																71	71	19				
36/ 35	1.1	4.5	2.8	.8																76	76	24				
34/ 33	1.0	4.8	2.8	1.0																79	80	39				
32/ 31	1.2	6.6	4.8	1.3																116	117	62				
30/ 29	.6	5.3	2.7	.1																72	74	53				
28/ 27	.8	4.8	1.4																	59	59	79				
26/ 25	.4	4.1	1.2	.1																48	48	64				
24/ 23		1.7	.6																	19	19	58				
22/ 21	.5	2.3	1.0																	31	31	63				
20/ 19	.1	4.0	.5																	38	40	79				
18/ 17	.4	2.9	.1																	28	29	31				
16/ 15	.2	4.6	.1																	41	41	37				
14/ 13	.2	1.4																		14	14	33				
12/ 11	.2	1.2																		11	11	42				
10/ 9	.1	.7																		7	7	29				
8/ 7	.2	.1																		3	3	31				
6/ 5	.1	.2																		3	3	8				
4/ 3	.1	.1																		2	2	12				
2/ 1		.1																		1	1	11				
0/ -1																						4				
-2/ -3		.2																		1	1	1				
-4/ -5	.1																			1	1	1				
-6/ -7																						1				
Station (Z)																					Show No. of Hours with Temperature					
St. Num.																					≥ 9 F	≥ 20 F	≥ 30 F	≥ 40 F	≥ 50 F	Total
Dry Bulb																										
Wet Bulb																										
Dew Point																										

FORM 0-20-5 (01-61) PREPARED BY AIR FORCE AIR QUALITY  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725207 NIAGARA FALLS NY

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0900-1100  
 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
-10/-11																					1
-14/-15																					1
-16/-17																					1
TOTAL	8.8	57.1	25.2	7.2	1.2	.2	.2										829	836		829	

Element (X)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ <sub>3</sub>	Σ <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ <sub>3</sub>	Σ <sub>4</sub>	No. Obs.	≤ 60 F	≤ 65 F	≤ 70 F	≤ 75 F	≤ 80 F	≤ 90 F	Total
Dry Bulb	828941	62819	75.812.492		829	0	0	0	0	0	0	93
Wet Bulb	828172	28073	30.8 V.382		829	0	0	0	0	0	0	93
Dew Point	78832	23084	27.8 V.302		829	0	0	0	0	0	0	93

2  
 USAFETAC FORM 0-24-3 (OL A) REVISION NOVEMBER 1960 USE PREVIOUS EDITIONS OF THIS FORM AND CALCULATE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-01 DEC  
 STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400  
 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
60/ 59			.4				.1	.1										5	5		
58/ 57		.1	.4	.1	.4													8	8		
56/ 55		.1	.2	.2			.1											6	6	5	
54/ 53			.1	.2														3	3	3	1
52/ 51		.1		.1		.2												4	4	3	6
50/ 49		.2	.1	.1		.1												5	5	7	3
48/ 47		.4	.2															5	5	7	2
46/ 45	.2	.1	.6	.2	.4	.1												14	14	9	8
44/ 43	.1	.8	1.0	.7	.5	.4												29	29	6	6
42/ 41		1.0	1.6	1.0	.6													34	36	12	9
40/ 39	.2	1.1	2.7	2.1	.7													56	56	28	13
38/ 37	1.3	1.7	2.7	1.9	.6													68	68	44	19
36/ 35	1.1	5.2	2.5	1.1	.1													83	83	66	28
34/ 33	.9	7.5	5.9	1.0														123	126	100	43
32/ 31	.5	3.9	4.1	1.0														78	81	104	70
30/ 29	.2	2.9	4.0	.1														60	60	101	67
28/ 27	.7	3.7	1.6	.5														54	54	64	65
26/ 25	.2	2.9	1.2	.2														38	38	69	72
24/ 23		1.7	1.0															22	22	39	63
22/ 21	.6	1.4	2.1															34	35	32	62
20/ 19	.2	4.0	1.3															46	46	33	72
16/ 17		2.1	.4															20	20	40	35
16/ 15		1.9																16	16	32	42
14/ 13	.1	.5	.1															6	6	10	28
12/ 11	.2	.2																4	4	4	33
10/ 9	.1	.2																3	3	4	31
8/ 7		.2																2	2	4	19
6/ 5		.1																1	1	1	12
4/ 3		.1																1	1		5
2/ 1																				1	6
0/ -1																					3
-2/ -3																					2
-4/ -5																					1
-6/ -7																					1
Element (X)	Σ x <sup>2</sup>	Σ x	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Ref. Num.						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (01-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725287 STATION NIAGARA FALLS NY STATION NAME 73-81 YEARS DEC MONTH

PAGE 1 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
60/ 59					.2		.1											3	3		
58/ 57				.1	.1	.2	.1											5	5		
56/ 55				.2		.2												4	4		
54/ 53		.1		.2		.2												5	5		2
52/ 51		.1	.1		.1													3	3	3	2
50/ 49		.5	.4															7	7	5	
48/ 47	.5	.5				.1												9	9	14	5
46/ 45		.2	.5	.1	.6	.4												15	15	8	10
44/ 43		.2	.6	.8	.8													21	21	6	5
42/ 41		1.0	1.1	1.3	.6													38	39	8	8
40/ 39	.4	1.9	2.3	1.1	.2													49	49	27	7
38/ 37	.2	1.7	3.1	.7	.5													52	52	54	19
36/ 35	1.3	4.7	4.2	1.1	.1													95	95	60	36
34/ 33	.8	5.5	4.7	1.2														102	105	98	34
32/ 31	1.0	5.1	5.1	1.2														102	105	88	82
30/ 29	.6	2.9	3.5	.5														62	63	100	58
28/ 27	.2	3.5	2.2	.1														50	50	64	69
26/ 25	.2	3.0	1.1	.4														39	39	69	71
24/ 23	.1	2.7	1.1															32	32	45	53
22/ 21	.1	1.9	2.1															34	34	32	59
20/ 19	.2	3.1	1.1															37	37	34	39
18/ 17		2.5	.5															25	25	34	52
16/ 15		1.4	.6															17	17	28	37
14/ 13		.7	.2															8	8	16	21
12/ 11	.4	.4	.1															9	9	10	39
10/ 9		.2																2	2	5	29
8/ 7		.2																2	2	3	17
6/ 5		.1																1	1	3	16
4/ 3																					8
2/ 1		.1																1	1	1	15
0/ -1																					4
-4/ -5																					3
-6/ -7																					1

FORM 0-26-5 (OL A) STRENGTH SERVICES BRANCH OF THE ROYAL AIR FORCE  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725207 STATION NIAGARA FALLS NY STATION NAME 73-01 YEARS DEC MONTH

PAGE 1 1000-2000 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																
58/ 57				.2	.1	.4																											6	6		
56/ 55				.2	.5																												6	6		
52/ 51					.1	.2																											3	3	3	
50/ 49		.4	.4	.1																													7	7	3	
48/ 47		.6	.2		.2																												9	9	3	
46/ 45	.4	.1	.4		.1																												8	8	13	
44/ 43		.6	.1	.6																													11	11	4	
42/ 41		.7	.8	.6	.4																												21	21	10	
40/ 39	1.0	2.4	2.4	.5	.2																												54	54	20	
38/ 37	.2	3.4	1.2	.4	.2																													45	45	40
36/ 35	1.2	4.2	4.0	.1																														79	79	59
34/ 33	.5	5.3	2.8	.4																														76	77	66
32/ 31	.8	6.8	3.7	.8																														101	101	91
30/ 29	.8	4.8	3.7	.8																														85	85	80
28/ 27	.8	5.2	1.7	.4																														64	64	60
26/ 25	.4	2.8	1.2																															36	36	34
24/ 23	.8	2.8	1.0	.1																														34	34	32
22/ 21	.4	3.1	1.0																															37	37	33
20/ 19	.4	4.2	1.8																															53	53	49
18/ 17		2.8	.7																															29	29	28
16/ 15	.1	2.1	.8																															22	22	21
14/ 13		1.4	.2																															14	14	14
12/ 11	.4	.8	.1																															10	10	10
10/ 9	.4	.6																																7	7	7
8/ 7	.4	.4																																4	4	4
6/ 5		.8																																4	4	4
4/ 3	.4	.2																																2	2	2
2/ 1		.2																																1	1	1
0/ -1																																				
-2/ -3																																				
-4/ -5																																				
-6/ -7																																				
TOTAL		6.455	7.288	5.3	1.4	.4																												825	838	825

Element (2)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
Dry Bulb	67000	6100	14000	1100	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Wet Bulb	67000	6100	14000	1100	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Dew Point	67000	6100	14000	1100	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

2  
 USAFETAC FORM 8-26-5 (OL-A)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

DEC

PAGE 1 2100-2300  
MOONS (L. S. V.)

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	Sky Bulb	Wet Bulb
62/ 61							.1										1	1		
60/ 59				.4			.1										4	4		
58/ 57				.1	.2	.1											4	4		
56/ 55				.2	.1												3	3		
54/ 53																			3	
52/ 51		.2				.1											3	3	1	
50/ 49		.1	.2		.2	.1											6	6	7	
48/ 47	.4	.7	.2	.1	.2												14	14	7	
46/ 45		.7	.2	.1													9	9	11	
44/ 43		.4	.7	.2	.1												12	12	6	
42/ 41	.1	.5	1.0	.4	.1												17	17	11	
40/ 39	.7	3.1	.4	1.2	.1												46	47	28	
38/ 37	.5	2.4	.4	.2	.2												35	38	34	
36/ 35	.8	3.5	2.8														59	59	44	
34/ 33	1.2	5.2	2.9	.4													77	78	63	
32/ 31	1.1	7.8	2.2	.2													94	94	84	
30/ 29	1.7	5.2	4.1	.4													94	94	84	
28/ 27	.2	3.9	2.4	.4													57	57	73	
26/ 25	.4	4.5	1.1														49	49	72	
24/ 23	.2	2.9	.4	.1													38	31	64	
22/ 21	.8	2.4	.7	.2													35	37	32	
20/ 19	.5	5.7	.7														57	57	35	
18/ 17	.2	5.1	.5														45	45	54	
16/ 15	.2	3.0	.7														33	33	44	
14/ 13	.4	1.2															13	13	38	
12/ 11	.2	.7															8	8	13	
10/ 9		.1															1	1	2	
8/ 7	.1	.1															2	2	2	
6/ 5	.2	.4															1	1	6	
4/ 3	.1	.4															4	4	4	
2/ 1	.4	.1															3	3	1	
0/ -1	.4																2	2	1	
-2/ -3	.2																1	1	1	
-4/ -5																	1	1	1	

FORM 6-56-5 (OL A) - WEATHER SERVICE USE ONLY  
 10-56-5 (OL A) - WEATHER SERVICE USE ONLY



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

DEC

STATION

STATION NAME

YEAR

MONTH

PAGE 1

ALL

FORM 1. 5. 7.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL P.H./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	Wet Bulb	Wet Bulb		Wet Bulb		
62/ 61							.0													1	1		
60/ 59							.0	.0												18	18		
58/ 57			.1	.1	.0		.0													43	43	1	
56/ 55		.1	.2	.2	.1	.0	.0													36	36	6	1
54/ 53		.0	.2	.1	.0	.0	.1													26	26	19	4
52/ 51	.0	.2	.0	.0	.0	.1														31	31	22	10
50/ 49		.2	.2	.1	.1	.0														41	41	48	14
48/ 47	.2	.6	.2	.1	.1	.0														78	78	58	20
46/ 45	.2	.6	.4	.2	.2	.1														88	88	78	28
44/ 43	.0	.8	.5	.3	.2	.0														132	132	87	34
42/ 41	.1	.9	.9	.7	.5															192	192	104	71
40/ 39	.4	1.4	1.3	.9	.2															283	283	172	88
38/ 37	.6	2.6	1.8	.9	.2															488	488	272	124
36/ 35	1.0	3.6	2.9	.8	.0															884	884	482	217
34/ 33	1.0	5.6	3.2	.6	.0															1477	1477	678	306
32/ 31	1.0	6.6	3.4	.7																260	260	726	317
30/ 29	1.0	6.1	3.6	.3																686	678	678	498
28/ 27	.9	6.6	2.1	.2																884	884	881	588
26/ 25	.1	4.8	1.3	.1																178	178	682	521
24/ 23	.3	2.2	1.0	.8																238	238	619	348
22/ 21	.5	2.4	1.1	.6																388	372	888	458
20/ 19	.7	4.1	.8																	588	578	888	688
18/ 17	.3	3.8	.3																	772	772	772	742
16/ 15	.2	2.9	.3																	1221	1221	268	331
14/ 13	.2	1.7	.2																	142	142	888	488
12/ 11	.6	.7	.6																	74	74	124	131
10/ 9	.1	.6	.6																	48	48	87	271
8/ 7	.1	.4																		22	22	48	218
6/ 5	.1	.3	.6																	22	22	22	88
4/ 3	.1	.2																		22	22	22	88
2/ 1	.1	.2																		22	22	22	181
0/ -1	.1																			8	8	8	22
-2/ -3	.1																			8	8	8	22
-4/ -5	.1																			8	8	8	22

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY 73-01 YEARS DEC  
STATION STATION NAME MONTH

PAGE 2 ALL  
(MONTH (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL P.D./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	Day Bulb	Wet Bulb		Snow Water				
-6/-7	.0																				3	3	3	10	
-8/-9																									0
-10/-11																									3
-12/-13																									1
-14/-15																									6
-16/-17																									2
-18/-19																									4
TOTAL	9.955	326.2	6.2	1.7	.5	.2	.0																		6646

FORM 0-36-5 (6-61) (U.S. AIR FORCE)



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

FORM (L. S. 7.)

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	Wet Point					
26/ 25	.1	1.4	.6	.0															1673	1700	2260	2512			
24/ 23	.1	.9	.4	.0															1167	1187	1820	1750			
22/ 21	.3	1.0	.4	.0															1338	1370	1470	2102			
20/ 19	.4	1.6	.3	.0															1741	1770	1411	2000			
18/ 17	.3	1.1	.2																1158	1170	1610	1600			
16/ 15	.1	1.0	.1																960	1001	1110	1700			
14/ 13	.2	.7	.1																708	703	800	1300			
12/ 11	.2	.9	.0																590	613	710	1393			
10/ 9	.1	.8	.0																512	520	611	1059			
8/ 7	.1	.3	.0																303	309	463	905			
6/ 5	.1	.2	.0																241	243	330	572			
4/ 3	.1	.1																	220	220	250	417			
2/ 1	.1	.1																	189	188	190	372			
0/ -1	.1	.0																	65	68	70	308			
-2/ -3	.0	.0																	30	30	40	300			
-4/ -5	.0	.0																	42	42	40	220			
-6/ -7	.0																		31	31	32	121			
-8/ -9	.0																		10	10	10	80			
-10/-11	.0																		0	0	0	72			
-12/-13	.0																		1	1	1	10			
-14/-15	.0																		0	0	0	21			
-16/-17	.0																		2	2	2	20			
-18/-19																						10			
-20/-21																						0			
-22/-23																						0			
-24/-25																						1			
-26/-27																						2			
TOTAL	6.2	34.0	25.0	13.4	8.0	5.2	3.7	2.8	1.3	.0	.2	.1	0.0	.0					76200		76200				

Element (Z)	W	S	V	C	No. Obs.	Dist. No. of Hours with Temperature						Total
	0°F	0-10°F	10-20°F	20-30°F	30-40°F	40-50°F	50-60°F	60-70°F	70-80°F	80-90°F	90-100°F	100-110°F
Dry Bulb	430376871	5678403	11211500	70000	200	200	200	200	200	200	200	200
Wet Bulb	211707321	3790330	6000000	70000	200	200	200	200	200	200	200	200
Wet Point	170700000	3000000	6000000	70000	200	200	200	200	200	200	200	200

FORM 0-36-5 (CL 2) APPROVED NATIONAL BUREAU OF METEOROLOGY

CLIMATOLOGY BRANCH  
 WAC  
 WEATHER SERVICE/WAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

725287

NIAGARA FALLS NY

73-81

STATION		STATION NAME												YEARS
NO. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	22.9	22.8	32.0	48.6	58.3	59.8	68.5	64.9	57.4	47.8	36.9	28.7	44.4
	S.D.	10.934	11.683	18.104	9.141	8.238	7.811	8.689	8.988	8.844	8.818	9.367	10.833	17.394
	TOTAL OBS	834	789	837	810	837	818	837	837	818	837	818	837	9887
03-05	MEAN	22.3	22.8	31.1	39.2	49.2	56.2	63.8	63.4	56.2	46.1	39.3	28.1	43.4
	S.D.	11.361	11.824	18.331	9.417	8.819	7.448	8.894	8.388	8.861	8.623	9.431	10.249	17.218
	TOTAL OBS	834	789	837	810	837	818	837	837	818	837	818	837	9888
06-08	MEAN	22.0	22.0	31.5	41.1	52.7	58.8	68.8	64.3	57.9	46.4	39.2	28.8	44.9
	S.D.	11.487	12.093	18.334	9.548	8.839	8.837	8.672	8.888	8.414	8.872	9.374	10.888	18.414
	TOTAL OBS	838	789	837	810	837	818	837	834	818	834	818	837	9882
09-11	MEAN	23.8	25.1	36.0	47.4	59.7	69.8	76.8	72.8	64.8	52.4	42.8	30.8	50.1
	S.D.	10.918	11.718	18.772	11.814	10.878	7.338	8.878	8.837	7.691	8.461	9.431	9.888	28.884
	TOTAL OBS	837	782	837	818	837	818	837	837	837	837	818	834	9884
12-14	MEAN	24.1	28.2	39.7	50.9	63.8	72.8	78.8	77.8	68.8	54.1	48.8	32.8	53.2
	S.D.	10.248	11.888	11.461	11.818	10.874	7.328	8.142	8.888	8.877	9.268	10.384	8.848	28.848
	TOTAL OBS	837	782	837	818	837	818	837	837	818	837	818	837	9884
15-17	MEAN	24.8	28.8	40.8	51.8	64.1	73.8	78.8	77.8	67.8	55.2	44.8	32.8	52.2
	S.D.	10.818	10.737	11.588	11.818	11.888	7.384	8.888	8.842	8.837	9.284	9.448	8.837	28.448
	TOTAL OBS	838	782	837	818	837	818	837	837	818	837	818	837	9887
18-20	MEAN	23.9	28.1	36.1	46.8	59.2	68.8	78.4	78.4	68.4	58.2	41.2	29.2	48.2
	S.D.	10.342	10.821	10.488	8.388	8.887	7.388	8.442	8.888	7.888	8.388	9.432	9.884	28.884
	TOTAL OBS	837	782	837	818	837	818	837	837	818	837	818	834	9887
21-23	MEAN	23.2	23.8	23.7	48.4	53.2	62.8	68.8	65.8	58.8	48.8	40.2	29.2	48.2
	S.D.	10.392	11.347	9.888	8.888	8.488	8.782	8.818	8.877	7.712	8.888	8.888	8.788	17.788
	TOTAL OBS	837	782	837	818	837	818	837	837	818	837	818	834	9888
ALL YEARS	MEAN	23.8	25.1	36.0	47.4	59.7	69.8	76.8	72.8	64.8	52.4	42.8	30.8	49.7
	S.D.	10.918	11.718	18.772	11.814	10.878	7.338	8.878	8.837	7.691	8.461	9.431	9.888	18.884
	TOTAL OBS	837	782	837	818	837	818	837	837	837	837	818	834	9884

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

NET-DULS TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

725287 NIABARA FALLS NY

73-81

STATION	STATION NAME	YEARS												
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	21.7	21.0	29.7	37.0	47.2	54.1	61.0	61.0	54.2	43.0	37.1	26.7	41.7
	S. D.	10.052	11.200	9.565	8.560	7.920	6.970	5.852	6.000	6.305	6.200	6.902	9.495	16.597
	TOTAL OBS	802	799	810	810	827	810	827	827	792	821	810	820	9772
03-05	MEAN	21.2	20.0	29.1	36.0	46.0	53.2	60.0	60.7	53.2	42.2	36.7	26.2	41.0
	S. D.	10.030	11.307	9.780	8.789	8.000	7.100	6.000	6.000	6.000	6.202	6.907	9.716	16.500
	TOTAL OBS	801	799	810	810	827	810	827	827	792	821	809	820	9772
06-08	MEAN	20.9	20.7	29.5	36.0	46.0	53.2	60.0	60.0	54.0	43.0	36.7	26.2	42.2
	S. D.	10.071	11.003	9.799	8.690	8.010	6.602	5.301	6.000	6.000	6.277	6.902	9.000	17.300
	TOTAL OBS	802	797	817	810	827	810	827	820	792	820	810	820	9772
09-11	MEAN	22.0	23.5	32.0	41.0	52.0	61.0	60.0	60.0	50.0	47.7	39.0	27.0	45.0
	S. D.	10.075	10.994	9.609	9.100	8.000	6.700	5.100	6.000	7.000	7.000	9.197	9.000	17.000
	TOTAL OBS	811	780	810	810	827	810	827	820	792	822	807	820	9772
12-14	MEAN	20.1	20.0	30.3	38.1	48.0	52.0	57.0	67.2	59.0	49.2	40.0	29.0	40.0
	S. D.	9.937	10.319	9.102	9.001	8.792	8.000	6.000	5.000	5.000	7.000	7.000	9.170	8.000
	TOTAL OBS	810	782	817	810	827	820	827	820	792	820	810	820	9700
15-17	MEAN	21.0	20.0	30.0	38.1	48.0	52.0	57.0	67.2	59.0	48.7	39.0	29.0	40.0
	S. D.	9.000	10.100	9.000	9.000	8.000	6.000	5.000	5.000	7.000	7.000	9.000	8.000	17.000
	TOTAL OBS	810	780	810	810	827	810	827	820	792	827	810	820	9700
18-20	MEAN	22.0	22.0	30.0	41.0	52.0	60.0	60.0	60.0	60.0	50.0	40.0	27.0	40.0
	S. D.	9.000	10.000	9.000	9.000	8.000	6.000	5.000	5.000	7.000	7.000	9.000	8.000	17.000
	TOTAL OBS	810	780	810	810	827	810	827	820	792	820	807	820	9700
21-23	MEAN	21.0	20.0	31.0	38.0	49.0	57.0	62.0	62.0	50.0	40.0	37.0	27.0	42.0
	S. D.	9.000	10.000	9.000	8.000	7.000	6.000	5.000	5.000	7.000	7.000	9.100	9.100	16.000
	TOTAL OBS	800	780	810	810	827	810	827	827	792	820	800	820	9700
ALL HOURS	MEAN	22.0	20.0	32.0	40.0	50.0	58.0	60.0	60.0	50.0	40.0	30.0	27.0	40.0
	S. D.	10.000	10.000	9.000	8.000	7.000	6.000	5.000	5.000	6.000	6.000	9.100	9.100	17.000
	TOTAL OBS	800	780	810	810	827	810	827	820	792	820	800	820	9700

FORM 105 0-60 (017)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

725287 NIAGARA FALLS NY

73-81

STATION	STATION NAME	YEARS												
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	17.1	16.3	25.3	33.4	43.8	53.4	59.3	59.8	51.8	40.1	33.0	21.9	38.1
	S. D.	11.684	12.846	10.978	9.768	9.143	7.761	6.391	6.665	9.484	9.392	10.046	11.814	17.992
	TOTAL OBS	803	759	816	810	837	810	837	837	792	831	818	834	9772
03-05	MEAN	16.6	16.0	24.8	32.7	43.6	52.9	58.9	58.9	50.7	39.8	32.7	21.6	37.6
	S. D.	11.951	13.028	11.193	9.791	9.199	7.819	6.434	7.260	9.564	9.467	9.998	11.162	17.996
	TOTAL OBS	801	759	816	810	837	810	837	837	792	831	809	834	9772
06-08	MEAN	16.4	16.1	25.3	33.5	45.2	54.9	60.8	60.4	51.8	40.5	32.8	21.6	38.8
	S. D.	12.080	13.199	11.369	9.958	9.424	7.744	6.870	6.863	9.180	9.227	10.039	11.074	18.574
	TOTAL OBS	802	789	817	810	837	810	837	834	792	830	818	834	9772
09-11	MEAN	17.6	18.2	27.5	35.2	46.8	56.2	61.3	61.8	53.8	42.6	34.7	23.8	40.1
	S. D.	11.538	12.272	11.083	10.413	10.247	8.528	7.174	6.994	8.723	8.652	10.340	10.331	18.340
	TOTAL OBS	811	788	819	810	837	810	837	834	792	837	807	829	9772
12-14	MEAN	18.5	19.4	28.8	36.1	47.3	56.4	60.8	61.4	53.3	42.3	34.8	23.9	40.4
	S. D.	11.366	11.982	11.120	10.609	10.894	9.138	7.853	7.679	9.317	9.278	10.334	9.790	18.832
	TOTAL OBS	816	782	817	810	837	828	837	834	792	836	818	828	9780
15-17	MEAN	18.0	19.4	28.8	35.8	47.1	56.8	60.4	61.1	53.1	42.0	34.2	23.4	40.1
	S. D.	11.386	12.873	10.692	10.856	10.838	9.081	7.834	7.588	9.463	9.411	10.278	9.839	17.992
	TOTAL OBS	812	762	816	810	837	810	837	837	792	837	818	829	9790
18-20	MEAN	17.1	18.0	27.4	34.6	46.0	54.9	59.3	60.4	52.7	41.1	33.2	22.4	39.1
	S. D.	11.804	12.881	10.688	10.228	9.999	8.472	7.321	7.328	9.879	9.179	10.383	10.463	18.812
	TOTAL OBS	819	789	816	810	837	818	837	824	791	824	808	829	9780
21-23	MEAN	16.8	17.3	26.6	32.9	44.8	54.8	59.4	60.4	51.9	40.8	32.9	22.2	38.4
	S. D.	11.351	12.821	10.747	9.740	9.331	7.740	6.572	6.800	9.218	9.182	10.320	10.818	17.977
	TOTAL OBS	809	759	816	810	837	810	837	837	792	832	808	829	9780
ALL HOURS	MEAN	17.3	17.8	26.8	34.4	45.4	54.8	60.8	60.8	52.4	41.1	33.5	22.5	39.1
	S. D.	11.617	12.687	11.078	10.198	9.944	8.288	7.838	7.223	9.308	9.294	10.278	10.600	18.167
	TOTAL OBS	6468	6077	6823	6828	7225	6428	6428	6428	6125	6662	6478	6428	78288









2  
 GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

725287

NIAGARA FALLS NY

73-81

MAY

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%		
MAY	00-02	100.0	100.0	100.0	99.5	97.5	89.8	71.0	46.2	23.7	78.8	837
	03-05	100.0	100.0	100.0	100.0	99.3	93.9	81.0	54.8	25.6	81.5	837
	06-08	100.0	100.0	100.0	99.8	97.0	84.3	64.9	41.0	19.5	76.8	837
	09-11	100.0	100.0	99.2	93.5	74.9	55.4	35.0	20.1	8.1	64.5	837
	12-14	100.0	99.8	95.0	79.2	60.7	41.6	27.0	15.1	5.3	58.0	837
	15-17	100.0	99.5	95.0	76.5	59.9	42.9	24.7	11.4	5.0	57.1	837
	18-20	100.0	100.0	98.0	89.6	75.4	57.8	37.4	18.0	7.0	64.2	837
	21-23	100.0	100.0	99.9	98.8	93.4	79.6	60.1	37.0	14.8	74.3	837
TOTALS		100.0	99.9	98.4	92.1	82.3	68.2	50.1	30.3	13.6	69.4	6696















GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

725287

NIAGARA FALLS NY

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.6	96.7	87.0	66.7	41.8	15.1	76.2	6468
FEB		100.0	100.0	100.0	99.4	96.9	85.7	64.8	36.4	13.6	75.4	6077
MAR		100.0	100.0	99.7	97.9	92.1	79.1	59.4	37.1	14.2	73.7	6533
APR		100.0	100.0	98.3	93.0	82.0	67.1	49.1	30.8	11.3	68.9	6480
MAY		100.0	99.9	98.4	92.1	82.3	68.2	50.1	30.5	13.6	69.4	6696
JUN		100.0	100.0	99.5	94.9	84.8	70.4	51.6	30.6	10.3	70.1	6478
JUL		100.0	100.0	99.4	93.9	83.3	68.6	51.2	30.5	8.3	69.2	6696
AUG		100.0	100.0	99.8	97.9	89.8	76.0	60.2	39.0	9.9	73.0	6688
SEP		100.0	100.0	99.9	98.0	91.4	78.8	60.7	37.2	9.1	73.4	6335
OCT		100.0	100.0	99.6	98.1	91.6	78.0	57.1	31.0	8.7	72.2	6669
NOV		100.0	100.0	100.0	99.3	96.1	84.6	59.8	33.6	9.2	74.0	6474
DEC		100.0	100.0	100.0	99.3	95.8	87.1	63.8	37.7	13.5	75.3	6646
TOTALS		100.0	100.0	99.6	97.0	90.2	77.6	57.9	34.7	11.4	72.6	78240

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

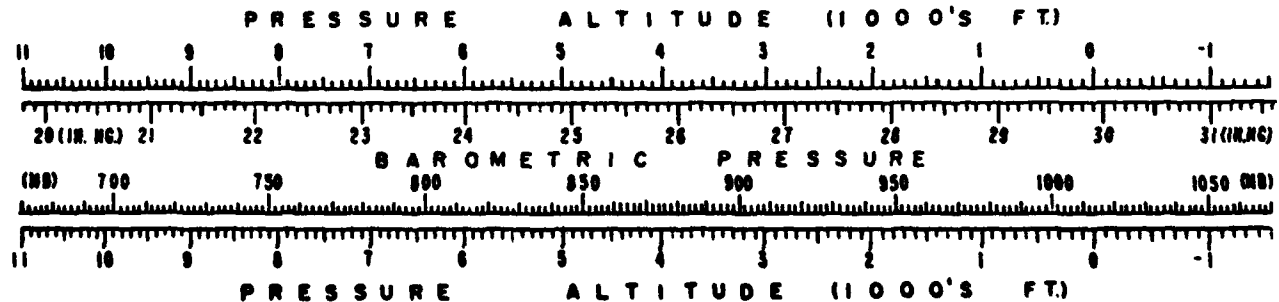
PRESSURE SUMMARY

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.

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  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

725287 NIAGARA FALLS NY

73-81

STATION		STATION NAME												YEARS
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	29.320	29.365	29.314	29.310	29.284	29.300	29.324	29.375	29.374	29.372	29.349	29.340	29.335
	S. D.	.278	.277	.253	.243	.161	.171	.137	.125	.157	.217	.247	.265	.219
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287
04	MEAN	29.320	29.359	29.303	29.308	29.279	29.295	29.319	29.372	29.368	29.369	29.348	29.342	29.332
	S. D.	.287	.276	.257	.248	.167	.178	.141	.127	.162	.223	.250	.265	.223
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	278	3286
07	MEAN	29.331	29.368	29.320	29.331	29.304	29.321	29.343	29.395	29.388	29.387	29.359	29.349	29.350
	S. D.	.296	.282	.267	.254	.174	.182	.141	.130	.168	.228	.252	.267	.228
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287
10	MEAN	29.350	29.385	29.332	29.341	29.312	29.338	29.347	29.406	29.398	29.402	29.375	29.368	29.362
	S. D.	.299	.291	.279	.293	.176	.184	.142	.129	.174	.231	.254	.268	.232
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287
13	MEAN	29.316	29.365	29.310	29.324	29.295	29.314	29.334	29.391	29.379	29.375	29.347	29.333	29.340
	S. D.	.297	.291	.279	.245	.169	.176	.138	.125	.168	.228	.244	.267	.228
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287
16	MEAN	29.314	29.352	29.288	29.303	29.274	29.297	29.315	29.368	29.357	29.361	29.341	29.328	29.325
	S. D.	.287	.286	.269	.238	.162	.171	.137	.122	.158	.220	.239	.263	.221
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287
19	MEAN	29.336	29.372	29.306	29.318	29.274	29.293	29.311	29.364	29.363	29.370	29.357	29.345	29.334
	S. D.	.283	.279	.254	.229	.157	.167	.132	.120	.155	.215	.237	.263	.217
	TOTAL OBS	279	254	279	278	279	270	279	278	270	279	270	278	3286
22	MEAN	29.338	29.378	29.319	29.317	29.288	29.294	29.329	29.379	29.376	29.384	29.358	29.344	29.342
	S. D.	.282	.273	.251	.238	.157	.164	.124	.120	.155	.218	.241	.265	.217
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	278	3286
ALL HOURS	MEAN	29.329	29.368	29.312	29.318	29.284	29.307	29.327	29.381	29.376	29.378	29.354	29.344	29.340
	S. D.	.289	.282	.264	.245	.164	.175	.137	.125	.162	.223	.246	.265	.223
	TOTAL OBS	2232	2032	2232	2160	2232	2160	2232	2231	2160	2232	2160	2229	26292

GLOBAL CLIMATOLOGY BRANCH  
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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

725287

NIAGARA FALLS NY

73-81

STATION		STATION NAME												YEARS
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	1016.0	1017.5	1015.5	1015.1	1013.8	1014.3	1015.0	1016.7	1016.9	1017.0	1016.5	1016.4	1015.9
	S. D.	9.779	9.747	8.869	8.453	5.610	5.929	4.793	4.367	5.478	7.616	6.660	9.315	7.688
	TOTAL OBS	279	253	279	270	279	270	279	279	279	270	279	270	279
04	MEAN	1016.1	1017.3	1015.1	1014.9	1013.7	1014.1	1014.8	1016.6	1016.7	1016.9	1016.4	1016.6	1015.7
	S. D.	10.065	9.748	8.862	8.714	5.819	6.186	4.980	4.436	5.709	7.797	8.788	9.342	7.826
	TOTAL OBS	279	253	279	270	279	270	279	279	279	270	279	269	279
07	MEAN	1016.3	1017.7	1015.7	1015.8	1014.4	1015.0	1015.5	1017.4	1017.4	1017.7	1016.8	1016.8	1016.4
	S. D.	10.348	9.984	9.383	8.836	6.068	6.343	4.930	4.556	5.894	8.084	8.871	9.413	8.082
	TOTAL OBS	279	253	279	270	279	270	279	279	279	270	279	270	279
10	MEAN	1017.0	1018.2	1016.1	1016.1	1014.8	1015.2	1015.7	1017.8	1017.7	1018.0	1017.4	1017.4	1016.8
	S. D.	10.426	10.265	9.775	8.808	6.117	6.316	4.937	4.499	6.068	8.123	8.896	9.443	8.117
	TOTAL OBS	279	254	279	270	279	270	279	279	279	270	279	270	279
13	MEAN	1015.8	1017.5	1015.3	1015.5	1014.2	1014.7	1015.2	1017.3	1017.0	1017.2	1016.4	1016.3	1016.0
	S. D.	10.412	10.081	9.388	8.547	5.887	6.089	4.820	4.367	5.889	7.973	8.657	9.392	7.981
	TOTAL OBS	279	254	279	270	279	269	279	279	279	270	279	270	279
16	MEAN	1015.8	1017.1	1014.5	1014.8	1013.5	1014.1	1014.6	1016.4	1016.3	1016.6	1016.2	1016.1	1015.8
	S. D.	10.101	10.081	9.389	8.188	5.632	5.929	4.798	4.259	5.561	7.708	8.309	9.241	7.749
	TOTAL OBS	278	284	279	270	279	270	279	279	279	270	279	270	279
19	MEAN	1016.5	1017.8	1015.3	1015.0	1013.6	1014.0	1014.5	1016.4	1016.5	1017.4	1016.7	1016.7	1015.9
	S. D.	9.977	9.857	8.986	8.821	5.441	5.773	4.584	4.194	5.444	7.584	8.319	9.217	7.639
	TOTAL OBS	279	284	279	270	279	270	279	270	279	279	270	277	279
22	MEAN	1016.6	1017.9	1015.6	1015.4	1014.0	1014.4	1015.0	1016.9	1017.0	1017.5	1016.7	1016.6	1016.1
	S. D.	9.928	9.678	8.761	8.180	5.437	5.815	4.489	4.164	5.444	7.644	8.434	9.291	7.688
	TOTAL OBS	279	252	279	270	279	270	279	279	279	270	279	270	278
ALL HOURS	MEAN	1016.3	1017.4	1015.4	1015.3	1014.0	1014.4	1015.0	1016.9	1016.9	1017.3	1016.6	1016.6	1016.4
	S. D.	10.124	9.945	9.223	8.470	5.765	6.057	4.794	4.375	5.496	7.807	8.612	9.325	7.854
	TOTAL OBS	2231	2027	2232	2160	2232	2159	2232	2231	2160	2232	2159	2229	26288

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