PHOTOGRAPH THIS SHEET

AD-E850 011

AD A095329

DTIC ACCESSION NUMBER

III

LEVEL

[redacted]

ATTENTION!
Camera Operator
When Filming attached document
use Bell & Howell camera ONLY!!!

Consult with Supervisor for further instructions.

INVENTORY

USAFETAC/DS-81/005

DOCUMENT IDENTIFICATION

8 Sep '80

DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR	
NTIS	GRA&I
DTIC	TAB
UNANNOUNCED	
JUSTIFICATION	
BY	
DISTRIBUTION /	
AVAILABILITY CODES	
DIST	AVAIL AND/OR SPECIAL
A	

DISTRIBUTION STAMP

DTIC
ELECTE
FEB 23 1981
S D
D

DATE ACCESSIONED

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

DOCUMENT PROCESSING SHEET

DTIC FORM OCT 79 70A

Best
Available
Copy

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS BEFORE COMPLETING FORM

1. REPORT NUMBER: USAFETAC/DS- 81/005
2. GOVT ACCESSION NO.:
3. RECIPIENT'S CATALOG NUMBER:

4. TITLE (and Subtitle): Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Portland IAP, Portland, Oregon
5. TYPE OF REPORT & PERIOD COVERED: Final rept.
6. PERFORMING ORG. REPORT NUMBER:

7. AUTHOR(s):
8. CONTRACT OR GRANT NUMBER(s):

9. PERFORMING ORGANIZATION NAME AND ADDRESS: USAFETAC/OL-A, Air Force Environmental Technical Appl. Center, Scott AFB IL 62225
10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS:

11. CONTROLLING OFFICE NAME AND ADDRESS: USAFETAC/CBD, Air Weather Service (MAC), Scott AFB IL 62225
12. REPORT DATE: 8 Sep, 1980
13. NUMBER OF PAGES: 424

14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office):
15. SECURITY CLASS. (of this report): UNCLASSIFIED
15a. DECLASSIFICATION/DOWNGRADING SCHEDULE:

16. DISTRIBUTION STATEMENT (of this Report)

Approved for public release; distribution unlimited.

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

18. SUPPLEMENTARY NOTES

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

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

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

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

DD FORM 1 JAN 73 1473

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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

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

USAFETAC/DS-81/005

ADE 850 011

AD A095329

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

PORTLAND IAP OR
N 45 36 W 122 36 FLD ELEV 23 FT PDX
WBAN #24229
WMO #72698

PARTS A-F
POR FROM HOURLY OBS: JAN 73 - DEC 79

POR FROM DAILY OBS: JAN 48 - DEC 79

TIME CONVERSION GMT TO LST: -8

AWS TECHNICAL LIBRARY
FL 4414
SCOTT AFB, IL 62225

08 SEP 1980

FEDERAL BUILDING
ASHEVILLE, N. C.

"THIS DOCUMENT HAS BEEN APPROVED FOR PUBLIC RELEASE AND SALE; ITS DISTRIBUTION IS UNLIMITED."

409.082

559-4820 b

81 2 20 008

Review and Approval Statement

This report is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by DDC to the National Technical Information Service (NTIS).

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

Wayne E. McCollom

Wayne E. McCollom, Chief
Technical Information Section
USAFETAC/TST

For the Commander

Walter S. Burgmann

Walter S. Burgmann
AWS Scientific and Technical
Information Officer

13 FEB 1981

U'S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

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

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA
PART B PRECIPITATION
SNOWFALL
SNOW DEPTH
PART C SURFACE WINDS
PART D CEILING VERSUS VISIBILITY
SKYCOVER
PART E DAILY MAX, MIN, & MEAN TEMP
EXTREME MAX & MIN TEMP
PSYCHROMETRIC-DRY VS WET BULB
MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)
RELATIVE HUMIDITY
PART F STATION PRESSURE
SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations. 0001-0300, 0300-0600, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

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

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

S74 29958

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WBAN NUMBER
24229	PORTLAND IAP OREGON	N 45 36	W 122 36	23	PDX	72698

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT BARO.	
1	Portland Apt Oregon	NWS	Jan 48	Feb 62	N 45 36	W 122 36	22	[illegible]	[illegible]
2	Same	Same	Mar 63	Dec 64	Same	Same	23	Same	[illegible]
3	Same	Same	Jan 65	Sept 69	Same	Same	Same	Same	8
4		Same	Oct 69	Feb 70	Same	Same	Same	Same	[illegible]
5		Same	Mar 70	Dec 72	Same	Same	Same	Same	[illegible]
6		Same	Jan 73	Dec 79	Same	Same	Same	Same	[illegible]

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR [illegible]
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 48	Located on control tower	Anemometer (3-cup)	None	62 Ft	
2	Feb 49	Located on support on roof of office	F420 F002&F102	None	33 Ft	
3	8 Aug 58	Located 1/4 mile SSW center of apt	F420C	F312	20 Ft	
4	19 Apr62	Same	Same	Same	Same	
5	26 Feb 63	Located 1/4 mile SE on the field	Same	Same	20 Ft	
6	30 Oct 63	1. Located 1/4 mi SSE on the field	Same	Same	25 Ft	
		2. Same	F005	Same	Same	
7	Mar 73	1. Located 1/4 mi SSE on the field	F420C	F312	20 Ft	
		2. Same	F005	Same	Same	

USAFETAC FORM NOV 75 0-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A WEATHER CONDITIONS

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

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

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

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

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

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

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

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		18.2	3.1	1.1		22.2	17.1	1.4			17.7	650
	03-05		23.0	3.5	2.0		27.6	19.8	.6			19.8	651
	06-08		21.7	3.2	1.8		25.7	20.3	.2			20.3	651
	09-11		20.3	2.3	2.3		23.5	19.2	1.1			19.8	651
	12-14		19.7	2.0	1.7	.4	23.8	14.9	4.3			17.7	650
	15-17		20.7	1.2	2.3	.3	24.3	12.4	4.9	.2		16.1	651
	18-20		19.5	1.7	1.2		22.5	11.1	3.5			12.6	650
	21-23		18.9	2.8	2.5		23.3	12.4	2.8			14.3	651
TOTALS			20.3	2.5	1.9	.1	24.0	15.9	2.4	.0		17.3	5205

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		22.9	.3	1.4		24.2	10.8	1.5			13.8	590
	03-05		24.2	.8	.8		25.9	12.5	1.4			12.5	591
	06-08		25.4	.3	.8		26.6	17.5	1.5			17.5	590
	09-11		23.7	.2	.3		23.9	16.1	3.2			17.1	591
	12-14		24.9		.2		24.9	8.0	4.6			10.0	591
	15-17		27.7	.2			27.9	5.8	2.7			7.3	591
	18-20		24.3				24.3	6.1	2.0			7.0	589
	21-23		22.8	.2	.7		23.7	5.8	1.7			6.3	591
TOTALS			24.5	.3	.5		25.2	10.3	2.3			11.1	4724

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) 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	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		19.4		.2		19.5	2.9	.2			3.1	651
	03-05		21.2		.8		21.7	6.8				6.8	651
	06-08		22.0		.5		22.0	13.4	.5			13.4	651
	09-11		20.3			.2	20.3	8.4	2.8			10.0	651
	12-14		20.1		.2		20.3	2.3	.6			2.8	651
	15-17		18.9		.2		18.9	1.8				1.8	651
	18-20		16.1		.2	.2	16.3	1.7	.3			2.0	651
	21-23		15.8		.2		15.8	2.3	.5			2.8	651
TOTALS			19.2		.3	.1	19.4	5.0	.6			5.3	5208

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02		16.2				16.2	2.1				2.1	630
	03-05		16.1				18.1	6.2				6.2	629
	06-08		18.6				18.6	9.2	2.9			11.1	630
	09-11		15.2				15.2	4.6	2.5			7.0	630
	12-14	.2	16.7			.2	16.7	1.3	.2			1.4	630
	15-17	.5	16.7			.2	16.7	.8	.2			1.0	630
	18-20		12.4				12.4	1.6				1.6	629
	21-23		15.1				15.1	.8				.8	630
TOTALS		.1	16.1			.1	16.1	3.3	.7			3.9	5038

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		10.0				10.0	.6				.6	651
	03-05		14.6				14.6	2.3	.3			2.3	651
	06-08		14.1				14.1	3.2	2.2			4.8	651
	09-11		14.0				14.0	.5	1.4			1.8	651
	12-14	.3	13.8			.2	13.8	.3				.3	651
	15-17	.3	15.5				15.5	.5	.2			.6	651
	18-20	.5	14.0				14.0	.9				.9	651
	21-23	.2	12.4				12.4	.8				.8	651
TOTALS		.2	13.6			.0	13.6	1.1	.5			1.5	5208

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02		6.4				6.4	1.9				1.9	629
	03-05		7.2				7.2	2.1	.2			2.2	629
	06-08		7.8				7.8	1.1	1.7			2.7	629
	09-11		7.3				7.3	.6	2.1			2.7	630
	12-14	.2	9.0				9.0	1.0	.5			1.4	630
	15-17	.2	7.5				7.5	.6	.2			.8	630
	18-20	.2	7.9				7.9	1.1				1.1	630
	21-23		5.4				5.4	1.4	.3			1.7	630
TOTALS		.1	7.3				7.3	1.2	.6			1.8	5037

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.3	2.9				2.9	.9				.9	651
	03-05	.5	4.8				4.8	1.4	.6			1.8	651
	06-08	.2	6.3				6.3	5.5	4.6			8.8	650
	09-11	.3	3.5				3.5	1.2	4.0			5.1	651
	12-14	.2	3.7				3.7	.3	1.4			1.7	651
	15-17	.3	4.8				4.8	.3	.5			.8	651
	18-20		4.3				4.3	.9				.9	651
	21-23	.6	4.3				4.3	.6	.2			.6	651
TOTALS		.3	4.3				4.3	1.4	1.4			2.6	5207

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229	PORTLAND IAP OR	73-79	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.3	7.1				7.1	2.2	.5			2.6	651
	03-05	.3	8.4				8.4	7.2	2.2			8.4	651
	06-08		9.8				9.8	13.7	8.1			18.6	651
	09-11		8.0				8.0	5.5	10.1			14.3	651
	12-14	.2	7.5				7.5	1.4	2.3			3.4	651
	15-17	.5	8.8				8.8	1.7	1.4			2.6	651
	18-20	.6	7.7				7.7	1.8	.3			2.2	651
	21-23	.5	6.0				6.0	2.0	.6			2.6	651
TOTALS		.3	7.9				7.9	4.4	3.2			6.8	5208

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (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.
SEP	00-02		8.1				8.1	5.7	2.5			6.7	630
	03-05		10.2				10.2	13.7	2.7			14.6	630
	06-08		11.4				11.4	23.7	5.4			25.1	630
	09-11		8.9				8.9	11.6	9.7			18.3	629
	12-14		7.8				7.8	1.7	4.0		.2	5.7	629
	15-17	.2	8.4				8.4	1.1	.8			1.9	630
	18-20		7.5				7.5	1.4	1.3			2.7	630
	21-23		6.7				6.7	2.2	1.0			2.7	630
TOTALS		.0	8.6				8.6	7.6	3.4		.0	9.7	5038

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

4215

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02		14.2				14.2	14.2	2.2			14.6	650
	03-05		14.8				14.8	25.1	1.4			25.4	650
	06-08		14.1				14.1	36.7	4.0			37.8	651
	09-11		11.4				11.4	21.8	14.1			33.2	651
	12-14	.2	12.9				12.9	3.8	11.8			14.5	650
	15-17		12.3				12.3	2.9	5.8			8.3	651
	18-20		13.4				13.4	3.2	4.3			7.5	651
	21-23		11.8				11.8	4.9	3.2			6.3	651
TOTALS		.0	13.1				13.1	14.1	5.9			18.5	5205

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229	PORTLAND IAP OR	73-79	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		25.6		1.3		26.1	20.6	1.4			20.6	630
	03-05		22.2		1.3		23.5	25.9	1.4			25.9	630
	06-08		19.8		.6		20.5	30.3	2.2			30.5	630
	09-11		19.1	.2	1.0		19.7	23.7	4.5			25.2	628
	12-14		19.4		.6	.2	20.0	12.1	7.6			17.1	630
	15-17		21.0	.2	.6	.2	21.7	8.7	4.4			12.7	630
	18-20	.2	20.0	.3	1.1		21.4	11.4	3.2	.2		13.3	630
	21-23		21.4	.3	1.0		22.5	14.4	2.4	.3		15.1	630
TOTALS		.0	21.1	.1	.9	.1	22.0	18.4	3.4	.1		20.1	5038

4216

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		25.2		.8		25.5	24.4	3.8			24.4	651
	03-05		27.8		.2		28.0	25.2	3.1			25.3	651
	06-08		31.7		.6		32.0	23.1	2.6			23.2	650
	09-11		24.0		.9		24.7	24.7	6.6			27.0	651
	12-14		26.0		1.1		26.6	17.2	6.3			20.9	651
	15-17		25.4		1.1		26.2	15.4	7.1			19.9	649
	18-20		23.9		.9		24.7	15.7	5.9			16.7	648
	21-23		25.8		.9		26.5	19.8	5.1			20.2	648
TOTALS			26.2		.8		26.8	20.7	5.1			22.2	5199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		20.3	2.5	1.9	.1	24.0	15.9	2.4	.3		17.5	5205
FEB			24.5	.3	.5		25.2	10.3	2.3			11.1	4724
MAR			19.2		.3	.1	19.4	5.0	.6			5.3	5208
APR		.1	16.1			.1	16.1	3.3	.7			3.9	5038
MAY		.2	13.6			.0	13.6	1.1	.5			1.5	5208
JUN		.1	7.3				7.3	1.2	.6			1.8	5037
JUL		.3	4.3				4.3	1.4	1.4			2.6	5207
AUG		.3	7.9				7.9	4.1	3.2			6.8	5208
SEP		.0	8.6				8.6	7.6	3.4		.0	9.7	5038
OCT		.0	13.1				13.1	14.1	5.9			18.5	5205
NOV		.0	21.1	.1	.9	.1	22.0	18.4	3.4	.1		20.1	5038
DEC			26.2		.6		26.8	20.7	5.1			22.2	5199
TOTALS		.1	15.2	.2	.4	.0	15.7	8.6	2.5	.0	.0	10.1	61315

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

PART A ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

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

S74 29960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

STATION	STATION NAME	YEARS	MONTH
24229	PORTLAND IAP OR	48-79	ALL

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	.1	69.0	5.4	21.3	.5	75.3	47.1	22.5	1.6		51.9	992
FEB		.4	68.7	2.1	9.3	1.2	70.0	43.1	25.9			49.0	994
MAR		.8	68.3	.1	9.2	3.3	69.1	30.3	22.0	.1		37.0	992
APR		3.2	62.0		2.7	2.6	62.0	22.5	17.7			31.3	960
MAY		4.3	52.6		.8	2.5	52.6	17.1	13.3			24.1	992
JUN		2.9	42.8			.3	42.8	13.3	11.9		.1	21.3	960
JUL		2.1	22.3				22.3	10.7	11.9			18.0	992
AUG		3.2	29.4			.2	29.4	19.6	26.3		.2	34.6	992
SEP		2.1	37.3			.4	37.3	43.6	41.4		.1	56.9	960
OCT		1.4	52.8		.3	.7	52.7	62.3	51.2			71.1	992
NOV		1.3	66.9	.3	2.9	.6	67.6	59.8	32.8	.2		63.4	960
DEC		.1	75.2	1.7	12.7	.6	78.4	52.2	23.8	.6		56.5	992
TOTALS		1.9	53.9	.8	4.9	1.1	55.0	35.1	25.1	.2	.0	42.9	11688

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

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

Continued on Reverse Side

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

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

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

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

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

74 29961

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (YEARS)

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02 05	.06-10	11-25	.26 50	51-1 00	1 01 2 50	2 51 5 00	5 01 10 00	10 01-20 00	OVER 20 00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1 0 4	0 5 1 4	1.5 2 4	2 5 3 4	3 5-4 4	4 5 6 4	6.5-10 4	10 5-15 4	15 5 25 4	25 5-50 4	OVER 50 4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13-24	25-36	37-48	49 60	61 120	OVER 120					
JAN	24.9	11.9	3.9	11.4	8.4	14.4	12.7	8.3	4.1					63.2	992	6.04	12.83	1.02
FEB	30.0	11.9	4.6	10.3	7.6	15.8	11.3	6.6	1.8					58.1	904	4.19	9.46	.78
MAR	31.0	12.1	3.6	12.2	8.9	15.2	12.3	4.1	.5					56.9	991	3.64	7.52	1.10
APR	38.0	15.1	4.3	11.3	7.3	14.3	7.5	1.9	.4					46.9	960	2.30	4.72	.53
MAY	47.4	14.8	4.1	9.1	5.1	10.1	6.8	2.1	.5					37.8	992	2.08	4.30	.57
JUN	57.2	14.8	3.9	5.9	5.1	6.7	4.6	1.8	.1					28.0	960	1.44	3.58	.03
JUL	77.7	10.1	2.4	3.5	2.3	1.9	1.5	.5						12.2	992	.48	2.01	.00
AUG	70.6	11.5	1.5	4.7	2.7	4.4	2.6	1.5	.4					17.9	992	1.12	4.53	TRACE
SEP	62.7	11.4	3.8	4.0	4.1	6.5	4.9	2.4	.4					25.9	960	1.66	3.86	TRACE
OCT	47.3	11.8	1.8	7.9	4.8	11.5	9.5	4.5	.9					40.9	992	3.19	7.00	.36
NOV	32.4	8.6	4.1	9.1	7.6	14.5	13.2	7.9	2.6					59.0	960	5.31	11.55	.77
DEC	21.5	14.4	3.9	9.4	7.4	15.3	14.5	10.7	2.9					64.1	992	6.31	11.12	1.38
ANNUAL	45.1	12.4	3.5	8.2	5.9	10.9	8.4	4.4	1.2					42.6	11687	37.76		

USAFETAC FORM 0-15-5 OCT 75 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

24229 PORTLAND IAP OR 48-79
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
48	2.48	.78*	1.36	.52	1.07	.66	.17	.90	1.11	.39	1.28	.81	2.48
49	.31	1.78	.58	.23	1.15	.25	.51	.15	.73	1.00	1.56	.59	1.78
50	1.98	1.07	.70	.71	.29	.72	.24	.61	.74	.80	2.43	.99	2.43
51	1.19	.90	.89	.60	.53	.01	.15	.02	.68	1.31	.74	1.01	1.31
52	.69	.84	.60	.58	.49	.52	TRACE	.18	.27	.28	.48	1.11	1.11
53	1.47	.67	.53	.40	.93	.55	.03	.56	.73	1.24	1.13	1.72	1.72
54	1.75	1.21	.97	.66	.53	.81	.84	.64	.21	.92	.92	.58	1.75
55	.37	.75	.63	1.23	.61	.63	.28	TRACE	1.30	1.66	1.57	1.99	1.99
56	1.93	.99	.65	.20	.45	.54	.01	1.29	.39	.99	.64	.58	1.93
57	.54	1.30	1.00	.37	.39	.29	.15	.36	.34	.79	.77	1.28	1.30
58	.86	.85	.52	.59	.69	1.70	TRACE	.02	.21	.36	.90	1.23	1.70
59	1.25	.90	.80	.15	.70	.52	.27	.09	1.00	1.65	.81	1.11	1.65
60	.89	.92	1.06	.68	.53	.40	TRACE	.20	.37	.45	2.31	.79	2.31
61	.88	1.72	1.02	.95	.55	.28	.38	.52	.34	.76	1.24	1.28	1.72
62	.39	.46	1.23	1.03	.46	.46	.06	.48	.78	.79	1.57	.66	1.57
63	1.16	.98	1.07	.47	1.04	.42	.37	.53	.27	.81	1.27	.88	1.27
64	1.54	.16	.53	.27	.25	.40	.46	.21	.51	.27	1.12	1.80	1.80
65	1.48	.54	.43	1.01	.50	.38	.28	.42	.01	.50	1.20	1.79	1.79
66	1.32	.34	1.00	.21	.30	.40	.81	.40	.44	.61	1.37	1.56	1.56
67	1.12	.39	.83	.48	.41	.44	.00	TRACE	.22	1.28	.42	.62	1.28
68	.96	1.38	.40	.27	1.47	.97	.13	1.20	.55	.82	1.38	1.27	1.47
69	1.02	.76	.29	.60	.45	.87	.05	.04	2.23	.66	1.87	1.30	2.23
70	2.03	1.42	.89	.55	.51	.20	.04	TRACE	.40	.61	1.22	1.37	2.03
71	1.00	.50	.82	1.17	.32	.82	.14	.57	1.48	.61	.82	1.19	1.48
72	1.73	.97	.78	.44	.55	.37	.32	.46	.84	.17	.87	1.23	1.73
73	1.15	.46	.41	.40	.64	.49	.06	.89	.65	.71	2.42	.94	2.42
74	1.98	.73	.82	.33	.51	.26	.81	.04	.17	1.21	1.19	1.05	1.98
75	1.53	.77	.67	.44	.71	.48	.32	.69	TRACE	.77	.88	.94	1.53
76	.91	1.32	.66	.48	.42	.35	.45	.94	.46	.50	.29	.40	1.32
77	.55	.54	.42	.25	.60	.55	.25	1.47	.64	.39	1.01	1.84	1.84
MEAN													
S D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV.	DEC	ALL MONTHS
78	.66	.90	.47	.45	1.08	.55	.80	.56	.61	.16	.99	.75	1.08
79	1.35	.99	.69	.49	.76	.21	.12	.29	.86	1.40	1.08	1.30	1.40
MEAN	1.202	.884	.721	.538	.622	.516	.266	.460	.611	.777	1.180	1.124	1.693
S.D	.544	.382	.237	.280	.283	.301	.257	.396	.456	.495	.526	.414	.360
TOTAL OBS	992	904	991	960	992	960	992	992	960	992	960	992	11687

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (YEARS)

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN	FEB	MAR.	APR	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
48	5.87	5.00*	4.24	3.41	3.76	1.42	.32	1.55	3.28	2.39	6.89	8.06	*46.19
49	1.02	9.46	2.78	.72	2.12	.68	.91	.24	1.66	2.35	5.56	4.86	32.36
50	10.10	5.77	4.76	2.74	.57	2.50	.50	.72	1.45	7.00	8.67	6.31	51.09
51	7.71	5.02	3.86	1.14	1.75	.03	.28	.02	2.55	6.81	5.31	5.06	39.54
52	4.40	3.59	3.82	1.45	.78	2.23	TRACE	.18	.33	.72	1.44	6.76	25.70
53	12.83	3.71	3.82	1.89	3.45	2.04	.03	1.79	1.16	3.56	6.46	7.85	48.59
54	8.95	4.57	2.55	2.54	1.83	3.58	1.24	1.92	.85	3.40	5.09	5.01	41.53
55	2.30	3.37	3.06	4.72	1.24	1.83	.89	TRACE	2.86	6.69	7.34	10.14	44.44
56	11.66	3.03	4.30	.53	2.50	2.03	.01	2.56	1.12	5.10	1.47	3.64	37.95
57	2.23	4.14	7.52	1.84	1.97	.73	.19	.69	.49	3.53	3.07	6.15	32.55
58	6.56	5.13	2.20	3.33	1.35	3.04	TRACE	.02	1.05	1.49	6.39	5.06	35.62
59	7.57	4.18	3.22	.92	2.89	2.38	.56	.09	2.81	3.51	3.30	3.08	34.51
60	3.93	4.00	4.77	3.33	3.37	.52	TRACE	1.00	1.37	2.39	8.63	2.61	35.92
61	4.50	8.92	6.04	3.59	2.80	.47	.42	1.07	.64	2.89	4.67	5.94	41.95
62	1.58	3.43	4.25	3.15	2.56	.78	.06	1.49	1.66	3.31	9.32	2.59	34.18
63	2.27	3.48	4.69	3.78	2.74	1.71	1.17	.87	.75	3.04	5.65	3.60	33.75
64	9.51	.78	2.30	1.56	1.04	1.96	.68	.90	1.61	.84	6.78	9.92	37.88
65	7.44	2.22	1.10	2.20	1.31	.83	.44	.73	.01	2.03	5.64	7.34	31.29
66	5.74	1.70	4.71	.85	.91	1.02	1.19	.59	1.70	3.06	5.50	6.89	33.86
67	6.21	2.02	4.31	2.17	1.02	1.01	.00	TRACE	.76	4.72	2.27	4.75	29.24
68	4.38	6.64	2.68	1.91	3.63	2.20	.14	4.53	2.20	5.03	6.23	11.12	50.89
69	7.60	3.14	1.13	2.28	1.61	2.99	.14	.04	3.86	3.02	3.18	8.12	37.11
70	11.81	4.77	2.58	2.94	1.55	.49	.05	TRACE	1.10	2.85	5.72	7.49	41.35
71	7.09	3.36	4.87	2.72	1.00	1.76	.26	.95	3.53	2.37	5.76	8.05	41.72
72	5.71	4.06	5.41	2.98	2.23	.68	.56	.67	3.06	.87	3.78	8.79	38.82
73	3.69	1.94	2.45	1.33	1.43	1.45	.06	1.41	3.29	3.14	11.55	9.93	41.67
74	8.51	4.61	5.65	1.76	1.74	.80	2.01	.07	.21	2.14	6.73	6.05	40.28
75	8.43	4.75	3.45	1.88	1.35	2.13	.43	2.10	TRACE	4.76	4.10	6.68	39.06
76	5.14	4.92	2.93	2.34	2.29	.78	.66	3.29	.73	1.48	.77	1.38	26.71
77	1.07	2.49	3.50	1.04	4.30	.83	.39	3.26	3.33	2.28	5.56	8.98	37.03
MEAN													
S.D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (YEARS)

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN.	FEB	MAR	APR	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	4.85	3.28	1.49	3.96	3.17	1.69	1.36	2.05	2.07	.36	3.83	2.51	30.62
79	2.55	6.53	2.51	2.47	2.41	.64	.25	1.18	1.75	4.85	3.38	7.23	35.75
MEAN	6.044	4.188	3.636	2.296	2.083	1.445	.475	1.124	1.664	3.187	5.314	6.311	37.515
S D	3.188	1.872	1.468	1.042	.973	.872	.492	1.116	1.117	1.722	2.380	2.500	6.205
TOTAL OBS.	992	904	991	960	992	960	992	992	960	992	960	992	11687

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 44 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL
(FROM DAILY OBSERVATIONS)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (YEARS)

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02 .05	06-10	11 25	.26- 50	51-1 00	1 01-2.50	2 51-5 00	5 01-10 00	10 01 20 00	OVER 20 00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0 1 0 4	0 5-1 4	1 5 2 4	2 5 3 4	3 5 4 4	4 5 6 4	6.5 10 4	10 5-15 4	15 5 25 4	25 5 50 4	OVER 50 4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4 6	7-12	13-24	25 36	37 48	49-60	61-120	OVER 120					
JAN	78.6	12.9	2.6	2.7	.8	1.2	.3	.6	.2					8.5	992	4.3	41.4	.0
FEB	90.7	6.0	1.5	1.1	.3	.1	.1	.1						3.3	904	.9	13.2	.0
MAR	91.4	7.0	.7	.6	.3									1.6	991	.4	5.3	.0
APR	97.4	2.6													960	TRACE	TRACE	.0
MAY	99.4	.6													992	TRACE	TRACE	.0
JUN	100.0														960	.0	.0	.0
JUL	100.0														992	.0	.0	.0
AUG	100.0														992	.0	.0	.0
SEP	100.0														960	.0	.0	.0
OCT	99.7	.3													992	TRACE	TRACE	.0
NOV	97.1	2.1	.3	.1	.1	.1		.1	.1					.8	960	.6	8.2	.0
DEC	87.2	9.4	.9	1.1	.7	.4	.1	.1	.1					3.4	992	1.7	15.7	.0
ANNUAL	95.1	3.4	.5	.5	.2	.1	.0	.1	.0					1.5	11687	7.9		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB	MAR	APR.	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	.9	.3*	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9
49	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.0
50	7.5	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5
51	.2	TRACE	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.8
52	4.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.1
53	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
54	4.9	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.9
55	1.0	.8	.8	TRACE	.0	.0	.0	.0	.0	TRACE	4.5	1.5	4.5
56	9.3	.7	1.8	.0	.0	.0	.0	.0	.0	.0	.0	1.8	9.3
57	2.8	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.8
58	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
59	.9	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
60	3.2	TRACE	2.3	.0	.0	.0	.0	.0	.3	.0	.0	.0	3.2
61	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.7	.7
62	.7	3.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2
63	3.4	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	3.4
64	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	8.0	8.0
65	TRACE	.0	.3	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3
66	TRACE	TRACE	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
67	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	3.3	3.3
68	4.9	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	6.0	6.0
69	5.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1
70	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.0	1.0
71	3.5	.8	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	.0	1.9	3.5
72	.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	3.8	3.8
73	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.4
74	TRACE	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	TRACE	.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.1
76	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.1	7.0	TRACE	7.0
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AUG 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB.	MAR.	APR	MAY	JUN.	JUL.	AUG.	SEP	OCT.	NOV.	DEC	ALL MONTHS
78	.0	.0	.1	TRACE	TRACE	.0	.0	.0	.0	.0	3.0	2.0	3.0
79	.6	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1
MEAN	1.84	.52	.25	TRACE	TRACE	.00	.00	.00	.00	TRACE	.45	.99	3.08
S.D.	2.516	1.096	.600	.000	.000	.000	.000	.000	.000	.000	1.521	1.882	2.627
TOTAL OBS.	992	904	991	960	992	960	992	992	960	992	960	992	11687

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

24229 STATION — PORTLAND IAP OR STATION NAME — 48-79 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN	FEB	MAR.	APR.	MAY	JUN	JUL.	AUG	SEP.	OCT	NOV	DEC	ALL MONTHS
48	.9	.3	*TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	* 1.2
49	9.8	13.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	23.2
50	41.4	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43.5
51	.2	TRACE	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.2
52	8.9	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	8.9
53	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
54	10.6	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.2	11.8
55	1.1	1.3	.8	TRACE	.0	.0	.0	.0	.0	TRACE	8.2	2.0	13.4
56	9.3	1.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	2.6	14.8
57	4.2	1.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.6
58	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
59	.9	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.9
60	10.3	TRACE	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.9
61	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
62	.7	3.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6
63	5.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	5.0
64	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	11.0	11.0
65	TRACE	.0	.3	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3
66	TRACE	TRACE	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
67	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	5.7	5.7
68	5.2	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	15.7	20.9
69	18.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.3
70	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	1.4
71	6.9	1.7	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	.0	4.6	13.2
72	.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	6.1	6.5
73	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.4
74	TRACE	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	TRACE	.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.1
76	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	7.6	TRACE	7.6
MEAN													
S. D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

24229 PORTLAND IAP OR 48-79
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG.	SEP	OCT.	NOV.	DEC	ALL MONTHS
78	.0	.0	.1	TRACE	TRACE	.0	.0	.0	.0	.0	3.0	2.4	5.5
79	1.9	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	3.0
MEAN	4.26	.88	.37	TRACE	TRACE	.00	.00	.00	.00	TRACE	.59	1.71	8.01
S D	8.176	2.420	1.078	.000	.000	.000	.000	.000	.000	.000	1.992	3.532	9.295
TOTAL OBS	992	904	991	960	992	960	992	992	960	992	960	992	11687

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (YEARS)

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	84.5	5.8	2.7	1.0	.9	2.6	2.1	.3						9.7	992			
FEB	94.2	2.1	1.7	.2	.4	.7	.1	.6						3.7	904			
MAR	98.3	1.0	.3	.2		.2								.7	992			
APR	100.0														960			
MAY	100.0														992			
JUN	100.0														960			
JUL	100.0														992			
AUG	100.0														992			
SEP	100.0														960			
OCT	100.0														992			
NOV	97.5	1.9	.2		.1	.3								.6	960			
DEC	95.0	2.6	.7	.5	.4	.5	.3							2.4	992			
ANNUAL	97.5	1.1	.5	.2	.1	.4	.2	.1						1.4	11688			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (YEARS)

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV	DEC.	ALL MONTHS
48	7	0	0	0	0	0	0	0	0	0	0	0	7
49	7	5	0	0	0	0	0	0	0	0	0	0	7
50	15	14	0	0	0	0	0	0	0	0	0	0	15
51	0	TRACE	5	0	0	0	0	0	0	0	0	TRACE	5
52	5	0	0	0	0	0	0	0	0	0	0	TRACE	5
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	6	0	0	0	0	0	0	0	0	0	0	TRACE	6
55	0	1	TRACE	0	0	0	0	0	0	0	4	TRACE	4
56	9	1	TRACE	0	0	0	0	0	0	0	0	2	9
57	2	TRACE	0	0	0	0	0	0	0	0	0	0	2
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	1	1	0	0	0	0	0	0	0	0	0	0	1
60	5	0	2	0	0	0	0	0	0	0	0	0	5
61	1	0	0	0	0	0	0	0	0	0	0	1	1
62	0	1	1	0	0	0	0	0	0	0	0	0	1
63	3	1	0	0	0	0	0	0	0	0	0	0	3
64	0	0	0	0	0	0	0	0	0	0	0	11	11
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	TRACE	0	0	0	0	0	0	0	0	0	TRACE
67	0	0	0	0	0	0	0	0	0	0	0	3	3
68	3	0	0	0	0	0	0	0	0	0	0	9	9
69	10	5	0	0	0	0	0	0	0	0	0	0	10
70	TRACE	0	0	0	0	0	0	0	0	0	TRACE	1	1
71	4	TRACE	0	0	0	0	0	0	0	0	0	3	4
72	TRACE	TRACE	0	0	0	0	0	0	0	0	0	5	5
73	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
74	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
75	TRACE	0	0	0	0	0	0	0	0	0	TRACE	TRACE	TRACE
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	TRACE	0	0	0	0	0	0	0	0	0	5	0	5
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (YEARS)

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
78	TRACE	0	0	0	0	0	0	0	0	0	3	2	3
79	1	1	0	0	0	0	0	0	0	0	0	0	1
MEAN	2.4	.9	.3	.0	.0	.0	.0	.0	.0	.0	.4	1.2	3.8
S D	3.767	2.687	.950	.000	.000	.000	.000	.000	.000	.000	1.211	2.616	3.861
TOTAL OBS.	992	904	992	960	992	960	992	992	960	992	960	992	11688

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

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

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

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

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

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

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

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

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

The means and standard deviations do not include measurements from incomplete months.

74 29962

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

24229 PORTLAND IAP OR 59-79

STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59	S 32	*29	SSW 29	E 31	E 27	SW 23	W 22	NW 22	S 26	SW 26	E 34	S 32	E 34
60	E 38	S 36	E 37	SW 42	S 30	NW 23	NW 23	S 24	E 27	S 20	E 33	E 36	SW 42
61	S 40	S 36	SW 42	NW 27	W 34	WSW 21	NNW 24	SW 27	E 31	SW 30	W 42	SW 50	SW 50
62	ESE 43	SE 32	SW 34	S 44	NW 21	SW 24	NNW 22	WSW 24	SW 26	SSW 75	SSW 43	E 32	SSW 75
63	ENE 44	E 36	S 54	SSW 36	E 31	WNW 26	SW 24	W 24	SW 44	S 41	SW 38	E 33	S 54
64	SSW 51	SSW 41	S 43	NW 37	NW 30	NW 24	S 29	S 28	S 34	E 32	ESE 35	NW 37	SSW 51
65	S 41	SE 59	E 39	SW 38	SW 33	SW 24	NW 22	S 23	NE 33	S 35	S 42	S 40	SE 59
66	S 45	SW 34	S 48	E 32	NW 27	W 28	NW 26	E 33	SW 39	SW 35	S 33	S 40	S 48
67	S 55	S 37	SW 43	S 29	SW 31	S 30	N 21	NW 25	S 41	S 68	E 38	S 33	S 68
68	S 45	E 34	S 43	NW 29	W 25	SW 29	E 22	S 21	SW 33	S 40	SW 39	E 41	S 45
69	S 36	E 36	S 40	S 36	S 29	NW 21	NW 26	SW 27	S 30	E 36	S 33	SW 48	SW 48
70	E 36	E 35	SW 27	S 30	NE 27	NW 29	NW 24	S 29	SW 34	E 37	E 47	S 47	E 47
71	S 44	W 35	S 62	SW 36	SW 42	W 25	NW 25	NW 30	E 40	S 33	S 40	S 42	S 62
72	E 40	S 42	SW 35	S 55	S 31	NW 28	E 30	W 26	S 31	E 34	S 28	E 50	S 55
73	E 46	E 42	S 38	E 27	SW 28	WNW 34	NW 29	SW 30	SW 32	SW 32	SW 34	S 36	E 46
74	E 45	S 41	S 56	W 35	W 27	SW 31	S 30	NW 21	E 32	E 26	E 32	SW 43	S 56
75	SW 37	NW 39	E 36	NW 31	SW 34	SW 28	NW 20	SW 26	E 29	SW 34	SW 38	SW 42	SW 42
76	SW 32	SW 43	SW 44	E 33	SW 33	SW 26	N *23	W 22	E 25	E 34	E 34	S 30	SW 44
77	E 31	S 38	SW 45	W 42	W 26	NW 24	N 26	SW 27	NW 23	SW 28	SW 35	S 49	S 49
78	SW 45	SW 40	E 38	W 32	E 30	SW 27	NW 23	NW 23	SW 25	E 29	E 38	E 35	SW 45
79	SE 43	S 37	E 36	S 38	S 25	NW 27	SW 27	N 20	E 26	SW 31	SE 47	SE 42	SE 47
MEAN	41.8	38.7	41.4	35.2	29.5	26.3	24.8	25.3	31.5	36.0	37.3	39.9	52.1
S D	6.268	5.696	8.464	6.640	4.377	3.319	3.041	3.440	5.785	12.791	4.951	6.355	8.797
TOTAL OBS.	649	589	651	629	648	630	647	651	630	651	630	651	7656

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AUG 64 0-86-3 (OIA)

$ (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)

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

0000-2200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.3										.9	3.5
NNE	.2	.5										.6	4.3
NE	.2	.2										.3	3.5
ENE	.2	.9	.2	.2	.2	.2						1.7	8.5
E	1.2	2.3	1.8	1.8	1.7	1.5	.3					10.8	12.3
ESE	1.2	3.4	9.5	6.2	2.0	1.4						23.7	10.8
SE	.5	3.7	7.5	7.5	.6	.2						20.0	9.9
SSE	.5	1.1	1.5	.5								3.5	7.3
S	.2	2.0	1.2	.6								4.0	7.4
SSW		.2	1.5	2.0	.3	.3						4.3	12.4
SW	.3	.6	1.1	1.7								3.7	10.0
WSW	.6	.8	.8	.6		.2						2.9	8.8
W	.3	1.4	.9									2.6	6.1
WNW	.3	1.7	.5									2.5	4.8
NW	.5	2.2	.5									3.1	5.1
NNW		.8	.3									1.1	5.4
VARBL													
CALM												14.3	
	6.5	21.8	27.8	21.1	4.8	3.7	.3					100.1	8.3

TOTAL NUMBER OF OBSERVATIONS 650

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.5	.3									2.3	4.7
NNE	.3	.3										.6	3.5
NE	.2	1.1										1.2	4.6
ENE		.6	.5	.2								1.2	7.0
E	.6	2.5	1.5	2.3	.9	1.7	.3					9.8	12.8
ESE	.5	4.8	9.5	6.0	1.8	1.1						23.7	10.5
SE	.9	3.1	4.8	6.8	.8							16.3	9.9
SSE	.5	1.4	1.4	.3								3.5	6.4
S	.9	1.5	1.7	1.5	.5							6.1	8.7
SSW	.2	.6	.8	2.5	.6							4.6	11.7
SW	.2	1.4	1.5	1.1								4.1	8.3
WSW	.3	.6	.6	.2								1.7	6.5
W	.3	.8	.3									1.4	4.8
WNW	1.1	1.5	.3									2.9	4.2
NW	.3	1.5	.9									2.8	5.8
NNW		.9	.5									1.4	6.0
VARBL													
CALM												16.3	
	6.6	24.1	24.6	20.7	4.6	2.8	.3					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.6	.2	.2								1.2	5.3
NNE		.5										.5	5.0
NE	.5	.6		.2								1.2	4.8
ENE	.5	.6	.5	.5	.2							2.2	8.2
E	1.1	2.2	.9	2.3	1.5	1.8	.5					10.3	13.6
ESE	.6	4.9	7.1	6.3	2.2	.9						22.0	10.5
SE	.9	3.7	5.8	7.1	.9							18.3	9.8
SSE	.2	1.2	.8	.3								2.5	6.8
S	.6	2.5	.9	.6	.2	.2						4.9	7.5
SSW	.2	1.2	1.5	2.5	1.5	.2						7.1	12.0
SW		.8	.8	2.0	.8	.2						4.5	12.6
WSW	1.1	.6	.3	.2								2.2	4.8
W	.6	.6										1.2	3.6
WNW	.3	1.7	.3	.2								2.5	5.3
NW		2.3										2.3	4.9
NNW	.3	.9	.2	.2								1.5	6.1
VARBL													
CALM												16.1	
	7.1	24.9	18.7	22.3	7.2	3.2	.5					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6										1.2	3.9
NNE	.6											.6	2.8
NE		.3										.3	5.0
ENE	.3	.6	.3	.3	.3							1.8	8.8
E	.5	3.5	1.8	2.8	2.6	2.5	.5	.3				14.4	14.7
ESE	.6	3.8	7.1	8.6	1.7	1.4	.2					23.3	11.3
SE	1.1	3.7	4.1	6.0	.6							15.5	9.7
SSE		.9	.9	.2								2.0	7.4
S	.8	1.7	2.0	.9	.3	.2						5.8	8.0
SSW	.2	1.2	1.7	2.8	1.4	.3						7.5	12.0
SW		.8	1.1	1.5	.6	.2	.2					4.3	12.6
WSW		1.5	.8	.6								2.9	7.6
W	.2	1.5	.3									2.0	5.3
WNW	.2	1.1	.9									2.2	6.1
NW		1.2	.3									1.5	5.5
NNW	.3	1.2	.6	.2								2.3	5.9
VARBL													
CALM												12.1	
	5.2	23.8	22.0	23.8	7.5	4.5	.8	.3				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229	PORTLAND IAP OR	73-79	JAN
STATION	STATION NAME	YEARS	MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.5	.2									3.1	4.1
NNE	.3	.5	.3									1.1	5.4
NE	.6	.6										1.2	3.5
ENE	.3	.9	.3		.5							2.0	8.3
E	1.1	3.5	2.6	2.6	3.8	1.8	.8	.2				15.8	13.8
ESE	.5	3.2	4.8	7.2	3.2	.6	.3					19.8	11.9
SE		1.2	5.7	6.9	.5	.2						14.5	11.0
SSE	.3	.5	1.1									1.8	6.8
S	.3	1.7	2.9	1.2	.3							6.5	9.0
SSW	.3	.6	2.5	3.5	1.5	.3						8.8	12.8
SW	.3	.6	1.2	2.8	.3							5.2	10.6
WSW	.2	.3	.8	.2								1.4	7.7
W	.5	1.7	.6									2.8	4.9
WNW	.5	2.2	1.5									4.2	5.6
NW	.3	1.1	.5			.2						2.0	6.4
NNW	.5	1.2	.8	.2								2.6	6.2
VARBL													
CALM												7.2	
	7.2	21.4	25.1	28.6	10.2	3.1	1.1	.2				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.7	.3	.2								2.6	5.0
NNE	.3	.5										.8	4.0
NE		.2	.3									.5	6.7
ENE		.3	.3	.3	.3	.3	.2					1.7	15.2
E	.3	2.2	1.8	1.8	2.3	2.0	.3					10.8	14.3
ESE	.2	3.2	8.1	8.6	1.8	2.2						24.1	11.9
SE	.3	1.8	6.6	7.2	.2							16.1	10.3
SSE	.3	1.2	1.5	.3								3.4	6.7
S	.3	.5	2.3	1.4	.2							4.3	9.2
SSW	.2	.9	1.8	3.1	1.2	.2						7.4	12.0
SW		.9	1.8	3.2	.6	.3						6.9	12.1
WSW	.2		.8	.6								1.5	4.9
W	.6	2.6	.6	.5								4.3	5.9
WNW	.9	2.5	.8		.2							4.3	5.5
NW	.2	2.0	.6	.2								2.9	5.9
NNW	.3	.5	.3	.3								1.4	6.7
VARBL													
CALM												7.1	
	4.5	20.9	27.8	27.6	6.8	4.9	.5					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1800-2400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.5										.6	3.8
NNE	.2	.5	.2									.8	5.0
NE		.3										.3	4.0
ENE	.2	.3		.5								.9	9.3
E	.6	2.8	1.8	.9	1.1	1.7	.5					9.4	12.5
ESE	.2	5.4	9.8	8.5	4.9	.8						29.5	11.3
SE	.5	3.8	6.9	7.8	.5							19.5	9.8
SSE	.2	1.5	1.7		.2							3.5	7.0
S	.9	1.5	2.0	.6	.6							5.7	8.3
SSW	.3	.2	2.3	3.7	.8	.2						7.4	12.0
SW		.5	1.2	2.3	.5							4.5	11.4
WSW		.6	.6	.3	.2							1.7	8.9
W		1.4	.5									1.8	5.2
WNW	.5	1.5	.8	.3								3.1	6.3
NW		1.1										1.1	4.7
NNW	.5	.8	.3	.2								1.7	6.0
VARBL													
CALM												8.5	
	4.0	22.6	28.2	25.1	8.6	2.6	.5					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 450

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.5	.2	.2								1.2	5.3
NNE	.3	.2	.3									.8	5.0
NE	.5	.2										.6	3.3
ENE		.8	.3	.2		.2						1.4	8.4
E	.5	2.6	1.4	1.2	.8	2.0	.6					9.1	13.6
ESE	1.1	6.8	8.9	8.4	2.6	1.1						28.9	10.4
SE	.3	3.4	9.2	6.3		.3						19.5	9.5
SSE	.2	.9	.9	.3								2.3	7.4
S	.2	.8	2.3	.9								4.1	8.9
SSW	.2	.8	1.1	2.3	.8	.3						5.4	12.3
SW	.2	.3	1.7	1.8	.3							4.3	10.9
WSW	.5	1.2	.6	.2		.2						2.6	7.1
W	.5	.8	.8									2.0	5.8
WNW	.2	2.9	.8	.2								4.0	6.0
NW	.5	1.4	.5									2.3	5.2
NNW		.8	.2									.9	5.5
VARBL													
CALM												10.6	
	5.2	24.1	29.0	22.0	4.5	4.0	.6					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.9	.1	.1								1.7	4.5
NNE	.3	.3	.1									.7	4.5
NE	.2	.4	.0	.0								.7	4.4
ENE	.2	.6	.3	.2	.2	.1	.0					1.6	9.2
E	.7	2.7	1.7	2.0	1.8	1.9	.5	.1				11.3	13.4
ESE	.6	4.4	8.1	7.5	2.5	1.2	.1					24.4	11.1
SE	.6	3.1	6.3	7.0	.5	.1						17.4	9.9
SSE	.2	1.1	1.2	.2	.0							2.8	6.9
S	.5	1.5	1.9	1.0	.2	.0						5.2	8.4
SSW	.2	.7	1.7	2.8	1.0	.2						6.6	12.1
SW	.1	.7	1.3	2.1	.4	.1	.0					4.7	11.2
WSW	.3	.7	.7	.3	.0	.0						2.1	7.6
W	.4	1.3	.5	.1								2.3	5.4
WNW	.5	1.9	.7	.1	.0							3.2	5.5
NW	.2	1.6	.4	.0		.0						2.2	5.5
NNW	.2	.9	.4	.1								1.6	6.0
VARBL													
CALM												11.5	
	5.8	23.0	25.3	23.9	6.8	3.6	.6	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 5205

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.8	.2									1.2	4.7
NNE	.3											.3	3.0
NE	.3	.3										.7	3.8
ENE	.7	1.7		.2	.2							2.7	5.3
E	.7	2.9	2.2	1.0	1.4	.2						8.3	9.3
ESE	1.4	5.9	12.0	5.6	.7	.3						25.9	8.9
SE	.8	3.1	5.9	4.7								14.6	8.8
SSE	.5	.5	.8	.7								2.5	7.5
S	.2	.8	2.4	1.9	1.0	.2						6.4	11.4
SSW		.5	1.0	3.9	.3	.2						5.9	12.7
SW	.3	.3	.5	2.4	.2	.2						3.9	11.9
WSW	.5	1.2	.5									2.2	5.0
W	.2	.8	.3	.2								1.5	6.1
WNW	.7	1.7	1.2	.2								3.7	6.0
NW	.2	1.5	.2									1.9	4.6
NNW	.3	.7	.3									1.4	4.9
VARBL													
CALM												16.8	
	7.3	22.9	27.6	20.7	3.7	1.0						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 592

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.8	.3									1.5	4.8
NNE	.5	.2										.7	3.5
NE	.5	.3										.8	3.4
ENE	1.0	1.2	.3	.2								2.7	5.4
E	.5	3.0	1.5	2.0	.5	.5						8.1	9.7
ESE	.7	7.6	11.2	6.1	.5		.2					26.2	8.7
SE		2.0	4.7	4.6	.5							11.8	10.4
SSE	.2	.5	.5	.8								2.0	8.6
S		1.1	2.9	3.0	.2							7.1	10.3
SSW		.7	2.4	5.1	1.0	.3						9.1	12.9
SW		.3	1.0	2.5	.7							4.6	12.0
WSW	.2	.8	.7	.2								1.9	6.9
W	.5	1.1	.3	.2								2.0	5.7
WNW	.7	2.4	.7									3.7	4.7
NW		1.2	.2									1.2	5.3
NNW	.7	.5	.2									1.4	4.4
VARBL													
CALM												15.1	
	5.8	23.2	26.9	24.7	3.4	.8	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.0										1.5	4.2
NNE	.2	.2										.3	3.5
NE	.5	.5										1.0	3.5
ENE	.2	1.4	.3	.3								2.2	6.4
E	.7	2.5	2.0	1.2	1.0	.7						8.1	9.9
ESE		5.3	9.3	5.4	1.4	.5						22.4	9.9
SE	.2	2.7	4.4	4.2	.2							11.7	9.1
SSE	.2	.7	1.0	1.2	.2							3.2	9.5
S	.2	1.9	4.1	3.7	.5							10.3	10.1
SSW	.3	1.2	1.5	5.4	1.4	.5						10.3	12.6
SW		.7	1.0	1.0	1.0							3.7	11.8
WSW	.7	.7	.5	.5								2.4	6.9
W	.5	1.2	.2	.3								2.2	5.9
WNW	1.0	2.0	.2									3.2	4.4
NW	.3	1.5										1.9	4.3
NNW	.3	1.2										1.5	4.3
VARBL													
CALM												13.9	
	5.8	24.6	23.1	23.4	5.6	1.7						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 591

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.0	.2									3.4	4.3
NNE	.3	.2										.5	3.3
NE	.7	.3										1.0	3.3
ENE	.5	.8	.3									1.7	4.6
E	.7	3.6	1.9	1.2	1.2	.7						9.1	10.0
ESE	.3	2.7	10.0	6.1	1.7	.7						21.5	10.7
SE	.3	2.0	3.7	5.4								11.5	10.0
SSE	.2	.8	1.0	.8	.2							3.0	8.9
S	.5	.7	2.0	4.7	1.4	.5						9.8	12.4
SSW		.7	2.4	4.2	1.9	.7						9.8	13.4
SW		.2	2.0	2.2	.7							5.1	12.0
WSW	.7		.5	.5	.2							1.9	8.5
W	.5	.7	1.0	.3								2.5	7.1
WNW	.5	2.2	.7		.2							3.6	6.0
NW	.7	1.7	.7		.2							3.2	5.7
NNW	.3	1.5	.3									2.2	4.8
VARBL													
CALM												10.2	
	7.4	20.1	26.7	25.5	7.4	2.5						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.9	.3									2.7	4.9
NNE		.7										.7	5.3
NE	.2	1.2										1.4	4.8
ENE	.2	1.9										2.0	4.9
E	.3	4.7	2.7	1.4	2.2	1.0						11.7	10.8
ESE	.3	1.9	8.0	8.6	1.7	1.2						23.5	13.6
SE		.8	3.2	5.8	.5							10.3	11.5
SSE		.3	.5	1.0								1.9	9.9
S	.2	.5	2.2	2.0	1.4	.3						6.6	12.2
SSW		.7	2.4	4.7	1.9	.5						10.2	13.4
SW		.5	1.7	3.2	.7	.3	.2					6.6	13.2
WSW	.3	.3	1.4	1.0	.3							3.4	10.0
W	.2	1.9	1.9	1.2	.2							5.2	8.5
WNW	.2	1.2	2.4	.5	.3							4.6	8.6
NW	.2	1.3	.5	.3								2.5	6.9
NNW	.3	1.5	.7	.2								2.7	6.4
VARBL													
CALM												6.1	
	2.9	21.3	27.1	29.9	9.1	3.4	.2					100.1	11.1

TOTAL NUMBER OF OBSERVATIONS 591

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229	PORTLAND IAP OR	73-79	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.2	.5	.3								2.4	6.7
NNE	.3	.2										.5	3.7
NE	.2	.3										.5	3.7
ENE	.3	.8	.2									1.4	4.6
E	.2	4.6	1.2	2.7	.3	1.4						10.3	10.7
ESE	.3	2.5	8.5	10.2	1.7	.7						23.9	11.3
SE		1.8	4.7	6.6								12.7	10.4
SSE		.2	1.2	1.2								2.5	9.9
S		.8	2.9	3.4	1.0							8.1	11.3
SSW	.3	.7	1.2	3.4	1.2	.2						6.9	13.0
SW		.5	2.[illegible]	3.4	.5	.2						6.6	11.7
WSW	.2	.7	1.4	1.5	.5	.2						4.4	11.3
W	.2	1.2	1.7	1.0	.2							4.2	8.6
WNW	.2	1.0	1.7	.7	.3							3.9	8.9
NW	.2	1.4	.3		.2							2.0	6.3
NNW		.3	1.5	.2								2.0	8.2
VARBL													
CALM												7.6	
	2.7	17.8	28.9	34.5	5.9	2.5						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 591

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.2	.7									2.0	5.
NNE	.2	.3	.2									.7	4.
NE	.2	.3										.5	4.
ENE	.2	.5	.2		.2							1.0	0.
E	.5	3.1	1.5	2.0	.5	.8	.2					8.7	10.
ESE	.5	4.6	12.1	9.5	1.9	.5						29.0	10.
SE	.2	2.7	7.0	5.6								15.4	9.
SSE	.2	1.0	.7	.2								2.0	6.
S	.5	.5	2.7	3.1	.5							7.3	10.
SSW		.3	1.9	2.4	.5							5.1	11.
SW	.3	.2	1.0	1.9	.2							3.6	11.
WSW	.2	.8	.8	1.0								2.9	9.
W	.2	1.0	.2	.5	.2							2.0	7.
WNW	.2	2.5	.7	.3	.2							3.9	6.
NW	.2	1.2	.8	.2	.2							2.5	7.
NNW	.2	.5	1.0	.2								1.9	6.
VARBL													
CALM												11.4	
	3.7	20.9	31.4	26.8	4.2	1.4	.2					100.0	8.

TOTAL NUMBER OF OBSERVATIONS 58

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.7										.8	4.2
NNE	.2	.3										.5	4.3
NE	.3											.3	2.5
ENE	.3	1.2	.2		.2							1.9	5.8
E	.7	3.2	2.0	1.4	1.0	.3						8.6	9.7
ESE	.3	4.9	15.9	6.8	1.0	.3	.2					29.4	9.6
SE	.7	1.5	6.4	4.2	.3							13.2	9.4
SSE		1.0	1.4	.3								2.7	8.4
S	.2	1.5	3.0	1.9	.5							7.1	9.7
SSW		.2	1.2	4.1	.2							5.6	12.5
SW		.5	.8	2.0	.2							3.6	11.4
WSW		.2	.5	.3	.2							1.2	10.9
W	.7	2.4	.8	.2								4.1	5.6
WNW	.2	2.7	.5	.2	.2							3.7	6.4
NW		1.4	1.0	.2								2.5	6.5
NNW	.3	.8	.3									1.5	5.1
VARBL													
CALM												13.2	
	4.1	22.5	34.2	21.5	3.7	.7	.2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (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	.4	1.2	.3	.0								1.9	5.0
NNE	.3	.3	.0									.5	4.0
NE	.4	.4										.8	3.8
ENE	.4	1.2	.2	.1	.1							1.9	5.4
E	.5	3.5	1.8	1.6	1.0	.7	.0					9.1	10.1
ESE	.5	4.4	10.9	7.3	1.3	.5	.0					25.0	10.1
SE	.3	2.3	5.0	5.1	.2							12.7	9.8
SSE	.1	.6	.9	.8	.1							2.5	8.7
S	.2	1.0	2.8	3.0	.8	.1						7.9	11.0
SSW	.1	.6	1.7	4.1	1.0	.3						7.9	12.8
SW	.1	.4	1.3	2.3	.5	.1	.0					4.7	12.0
WSW	.3	.6	.8	.6	.1	.0						2.5	8.8
W	.4	1.3	.8	.5	.1							3.0	7.2
WNW	.4	2.0	1.0	.2	.1							3.8	6.6
NW	.2	1.4	.5	.1	.1							2.2	6.0
NNW	.3	.9	.6	.1								1.8	5.8
VARBL													
CALM												11.8	
	5.0	21.7	28.5	25.9	5.4	1.8	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 4724

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.1	.5		.2							2.5	5.8
NNE		.5										.5	4.7
NE	.5	.7										.6	3.8
ENE	.3	.6										.9	4.7
E	.8	2.9	1.5	.9	.3							6.5	7.3
ESE	.6	7.7	5.4	2.5	.6							16.3	7.6
SE	.6	3.2	2.8	.8	.3							7.7	7.4
SSE		.9	.5	.5								1.8	7.9
S	.6	1.8	3.1	2.9	.5	.2						9.1	9.8
SSW	.3	.8	2.5	2.5	.9							6.9	11.1
SW	.5	1.4	1.2	1.2	.2							4.5	8.6
WSW	.3	1.1	1.2	.3								2.9	6.8
W	1.5	2.3	1.2	.5								5.5	5.5
WNW	1.1	3.1	.9									5.1	5.1
NW	.3	2.8	.9	.3								4.3	5.9
NNW	.5	1.4	.2	.2	.2							2.3	6.4
VARBL													
CALM												22.7	
	8.6	31.2	21.8	12.4	3.1	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.2	.3	.2								2.5	5.2
NNE	.2	.5	.2									.8	4.8
NE		.2										.2	4.0
ENE	.5	.6										1.1	3.6
E	.9	3.2	1.7	.9	.6	.2						7.5	7.8
ESE	2.2	6.5	6.3	2.3	.6	.2						18.0	7.5
SE	.3	3.2	2.6	1.3								7.7	7.7
SSE	.2	1.1	.5	.6								2.3	7.3
S	.5	2.3	4.3	3.1	.8	.2						11.2	9.8
SSW	.3	1.5	1.4	2.5	.8	.2						6.6	11.0
SW	.3	1.8	1.2	.6		.2						4.2	7.4
WSW	.5	.6	.9	.2								2.2	6.4
W	1.1	2.1	1.4	.3								4.8	6.0
WNW	.3	2.1	1.1	.2								3.5	6.0
NW	.3	2.3	.5	.3								3.4	6.0
NNW	.5	1.1	.5	.3	.2							2.5	7.4
VARBL													
CALM												21.7	
	8.6	30.2	22.9	12.9	2.9	.8						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 650

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

2600-0800 (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	.2	1.4	.2	.2								1.8	5.3
NNE	.2	.5										.6	4.5
NE	.5											.5	3.0
ENE	.8	.9										1.7	3.7
E	.8	2.8	1.1	.8	.6							6.0	7.6
ESE	1.4	6.2	6.5	3.1	.6							17.7	8.0
SE	.2	2.5	2.6	1.7								6.9	8.1
SSE	.5	1.7	.8	.5								3.4	6.3
S	.6	2.9	3.4	1.5	1.1							9.5	9.0
SSW	.2	1.5	3.5	2.2	.2							7.5	9.2
SW	.5	.8	2.1	2.2	.8							5.8	10.0
WSW	.3	1.5	.6	.3		.2						2.9	7.9
W	.6	1.8	1.2	.6	.2							4.5	7.4
WNW	.3	2.9	.2									3.4	4.8
NW	.6	.9	.8	.2	.3							2.8	7.3
NNW	.2	1.2	.9	.8								3.1	7.6
VARBL													
CALM												21.8	
	7.5	29.5	23.7	13.8	3.4	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 650

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.2		.5								4.3	5.8
NNE	.6	.6										1.2	4.0
NE	.5	.9	.7									1.5	4.5
ENE	.6	2.3	.5									3.1	4.9
E	.5	2.6	1.4	.5	.3	.6						5.8	8.9
ESE	.5	3.1	4.6	6.1	.5	.2						14.9	10.0
SE	.3	.8	1.5	1.8								4.5	9.7
SSE		1.5	.3	.3	.2							2.3	7.7
S	.2	.8	4.6	3.4	.3	.3						9.5	11.6
SSW	.3	.6	4.3	4.9	1.4	.5						12.0	12.0
SW	.3	.5	2.2	2.2	.9	.2						6.1	11.6
WSW	.2	.9	1.2	.8								3.1	8.5
W	.2	.8	2.9	.8								4.6	8.6
WNW		3.5	2.5	.5	.2							6.6	7.0
NW	.6	4.1	1.8	.3								6.9	6.0
NNW	.9	2.1	.8									3.7	5.0
VARBL													
CALM												9.8	
	6.1	28.0	28.7	22.0	3.7	1.7						1[illegible].0	8.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	4.1	1.7	.5	.3							7.5	6.4
NNE	.3	1.7	.3									2.3	4.8
NE	.3	2.0	.2									2.5	4.7
ENE	.3	2.9	1.1									4.3	5.7
E	.2	1.5	2.9	.9	.8	.9						7.2	11.1
ESE	.3	.5	2.3	3.4	.3	.2						6.9	11.2
SE	.2	.6	2.0	.9	.2							3.8	9.7
SSE			.5	.3	.2							.9	12.2
S	.2	1.2	2.8	3.4	.5	.5						8.4	11.5
SSW	.3	1.1	2.6	5.8	1.2			.3				11.4	12.2
SW	.2	1.4	1.1	4.0	.8	.2	.2					7.7	12.1
WSW	.3	1.9	1.1	2.5	.3							5.5	10.3
W		4.1	3.4	1.4	.8							9.7	8.4
WNW	.3	2.2	5.2	1.1	.2							8.9	8.3
NW	.6	2.0	2.3	.6	.2							5.7	7.3
NNW	.3	2.3	1.4	.2	.2							4.3	6.9
VARBL													
CALM												2.9	
	4.6	29.0	30.7	24.9	5.7	1.7	.2	.3				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.7	1.5	1.5								7.4	7.1
NNE	.7	1.2	.2									1.5	4.8
NE	.3	.9										1.2	4.5
ENE	.5	1.2	.5	.2								2.3	5.5
E	.8	2.6	1.8	.6	.9	.8						7.5	9.8
ESE	.3	.8	3.1	2.9	1.1	.3						8.4	11.4
SE		.5	2.5	1.4								4.3	9.6
SSE	.3	.5	1.1	.5								2.3	8.1
S	.2	.6	3.1	2.3	.8	.3						7.2	11.1
SSW		.2	2.2	2.6	.3	.3	.2					5.7	12.5
SW	.3	.3	1.8	2.9	.8							6.1	11.7
WSW	.3	1.5	2.2	4.1	.6							8.8	10.7
W	.5	1.4	3.5	1.2	.3							6.9	9.8
WNW	.2	2.5	5.4	3.5	.5							12.0	9.3
NW	.3	2.2	2.6	.9	.8							6.8	8.9
NNW	.5	2.8	2.5	1.2								6.9	7.6
VARBL													
CALM												4.6	
	5.1	22.7	33.8	26.0	6.0	1.7	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1800-2100 (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	2.6	2.2	.8								5.8	7.2
NNE	.3		.2									.5	4.3
NE	.2	.3										.5	4.3
ENE	.8	.8	.5									2.0	5.0
E	.2	3.2	1.4	.9	.6	.3						6.6	8.9
ESE	.2	2.5	6.1	2.3	.5	.5						12.0	9.5
SE	.3	1.7	3.4	.5								5.8	7.6
SSE	.2	.6	.6	.6								2.0	7.7
S	.3	2.9	2.8	2.2	.2	.2	.2					8.6	9.1
SSW		1.2	1.5	2.5	.5	.2						5.8	10.9
SW	.2	.8	1.2	1.5		.2						3.8	9.8
WSW	.2	.9	2.3	1.1	.2							4.5	8.9
W	.5	3.2	5.5	2.0								11.2	8.3
WNW	.3	2.9	3.5	1.5								8.3	7.9
NW	.5	2.6	2.6	1.2	.5							7.4	8.4
NNW	.5	2.3	2.9	1.4								7.1	7.8
VARBL													
CALM												3.1	
	4.6	28.6	36.6	18.4	2.3	1.2	.2					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.9	.9	.6								2.9	7.4
NNE	.2	.3										.5	4.3
NE		.5	.2									.6	5.5
ENE	.5	.5	.2									1.1	4.3
E	1.1	2.6	1.2	.3	.6	.2						6.0	7.7
ESE	.5	4.5	8.3	2.6	.2	.5						16.4	8.4
SE	.5	2.0	2.9	1.1	.2							6.6	7.9
SSE	.2	.6	1.2	.6								2.6	8.0
S	.3	1.2	3.5	2.0	.6							7.7	10.0
SSW		.6	2.0	2.8	.3	.3						6.0	11.6
SW	.5	.9	1.2	.9	.3	.2						4.0	9.2
WSW	.3	2.2	1.2	.2								3.8	6.0
W	.5	4.9	4.0	.8								10.1	6.7
WNW	.9	5.4	3.1	.2	.2							9.7	6.1
NW	.5	2.8	2.6	.3								6.1	6.5
NNW	.3	1.7	1.7	.2								3.8	6.5
VARBL													
CALM												12.0	
	6.5	31.5	34.3	12.4	2.3	1.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.3	.9	.5	.1							4.3	6.5
NNE	.2	.7	.1									1.0	4.6
NE	.3	.6	.1									.9	4.5
ENE	.5	1.2	.3	.0								2.1	5.0
E	.6	2.7	1.6	.7	.6	.4						6.6	8.7
ESE	.7	3.9	5.3	3.2	.5	.2						13.8	8.8
SE	.3	1.8	2.5	1.2	.1							5.9	8.2
SSE	.2	.9	.7	.5	.0							2.2	7.7
S	.3	1.7	3.5	2.6	.6	.2	.0					8.9	10.1
SSW	.2	.9	2.5	3.2	.7	.2	.0	.0				7.7	11.4
SW	.3	1.0	1.5	1.9	.4	.1	.0					5.3	10.4
WSW	.3	1.3	1.3	1.2	.1	.0						4.2	8.8
W	.6	2.6	2.9	.9	.2							7.2	7.6
WNW	.4	3.1	2.7	.9	.1							7.2	7.3
NW	.5	2.5	1.8	.5	.2							5.4	7.2
NNW	.4	1.8	1.3	.5	.1							4.2	7.0
VARBL													
CALM												13.0	
	6.5	28.8	29.1	17.9	3.7	1.1	.1	.0				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 5206

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

20229 (STATION) | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.4	.8									4.1	4.9
NNE	.3	.5										.8	4.3
NE	.2	.3										.5	4.3
ENE	1.0	1.7										2.7	5.1
E	.8	4.1	.3	.8								6.0	6.3
ESE	1.0	5.7	2.5	.2								9.4	5.7
SE	.3	2.5	1.1									4.0	5.6
SSE	.2	.8	.8									1.7	5.6
S	.8	3.3	3.1	1.3								8.8	7.2
SSW	.3	1.1	2.2	2.7	.2							6.5	9.7
SW	.3	.6	1.1	.2								2.2	7.3
WSW	.3	1.8	.8	.2								2.7	6.0
W	1.3	3.2	1.7	.2								6.0	5.5
WNW	.6	5.2	1.3	.2								7.3	5.6
NW	1.1	4.3	2.5	.3								8.1	6.0
NNW	.6	1.4	2.1									4.1	6.1
VARBL													
CALM												25.4	
	9.5	38.7	20.3	5.9	.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 633

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1300-1500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.3	.3									2.2	4.6
NNE	.2	.2										.3	3.5
NE	.5	1.3										1.7	3.8
ENE	.5	1.0										1.4	3.8
E	.6	3.2	.3	.2								4.3	5.1
ESE	2.1	7.6	1.4	.2		.2						11.4	5.2
SE	.6	4.1	1.7	.3								6.8	5.7
SSE	.3	1.4	.5									2.2	5.3
S	.5	2.9	3.5	1.0	.2							7.9	7.7
SSW	.5	2.2	2.2	2.7	.8							8.4	9.8
SW	.5	2.1	.6	1.0								4.1	7.3
WSW	.2	1.6	.8									2.5	5.5
W	.6	3.2	1.4									5.2	5.4
WNW	.3	3.7	1.0	.2								5.1	5.6
NW	.6	1.9	.5	.2								3.2	5.4
NNW	.6	1.3	1.3									3.2	5.5
VARBL													
CALM												29.7	
	9.2	38.8	15.6	5.6	1.0	.2						100.3	4.4

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0630-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.6	.5									2.5	4.9
NNE	.2	.6										.8	4.7
NE	.2	.2										.3	3.5
ENE	1.3	1.0	.3									2.5	4.0
E	1.1	2.7		.2								4.0	4.8
ESE	.6	5.2	2.7	.6	.2							9.4	6.6
SE	.5	3.2	1.4	.5								5.6	6.1
SSE	.5	2.1	1.7									4.3	6.0
S	1.6	2.9	4.1	2.4								11.0	7.7
SSW	.5	1.7	2.9	2.9		.2						8.1	9.5
SW		1.4	1.4	1.1	.3	.2						4.4	9.8
WSW	.3	.8	.5									1.6	5.5
W	.6	3.5	1.4	.3								5.9	5.9
WNW	1.0	3.2	1.3	.3	.2							5.7	6.0
NW	1.0	4.1	1.0	.3								6.3	5.4
NNW	.3	2.2	1.3									3.8	6.3
VARBL													
CALM												23.8	
	10.0	36.2	20.5	8.6	.6	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 631

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (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	.6	5.2	1.8	.3								7.6	5.5
NNE	.5	1.3	.2									1.9	4.5
NE	.3	2.4	.2									2.9	4.6
ENE		2.4	.8									3.2	5.6
E	.3	2.4	2.7	.3	.3							5.4	7.6
ESE	.2	1.4	2.2	1.6	.2							5.6	9.3
SE	.2	.5	1.1	.8								2.5	8.6
SSE	.2	.6	.6									1.4	6.4
S	.5	1.3	3.5	4.1								9.4	9.7
SSW	.2	1.1	2.5	3.2	.2							7.1	10.1
SW	.3	1.6	3.7	3.5								8.6	9.6
WSW	.2	1.6	1.3	1.1								4.1	8.0
W	1.3	4.4	4.2	.3	.2							9.8	6.7
WNW	1.3	3.7	4.3	1.1	.2							10.2	7.2
NW	.6	3.2	2.5	.5								6.8	6.7
NNW	.8	3.5	1.6	.3								6.2	5.9
VARBL													
CALM												7.3	
	6.5	36.5	31.6	17.1	1.0							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	5.4	1.3	.3								7.8	5.6
NNE	.3	2.2	.5	.2								3.2	5.4
NE	.3	1.9	.5									2.7	4.9
ENE		1.7	1.4									3.2	6.6
E	.3	1.1	1.6	2.2	.2							5.4	9.8
ESE		.6	1.9	2.2								4.6	10.2
SE	.5	.6	.5	.2								1.7	6.4
SSE		.8	1.0	.3								2.1	7.9
S	.2	1.6	4.3	2.4	.6	.3						9.4	10.3
SSW		1.3	2.5	3.5	.5							7.8	10.5
SW		1.3	2.2	1.9	.3							5.7	9.7
WSW	.2	2.1	2.1	1.6			.2					6.0	9.1
W	.6	1.7	6.0	1.6	.3							10.3	8.4
WNW		0.8	6.7	2.7	.2	.2						14.1	8.6
NW	.2	1.3	3.3	.5								5.2	7.9
NNW	.3	2.5	1.6	1.4								5.9	7.8
VARBL													
CALM												4.8	
	3.7	30.6	37.3	21.0	2.1	.5	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	4.1	2.4	1.0								8.6	6.7
NNE	1.0	1.4	.2									2.5	4.1
NE	.3	1.4	.5	.2	.2							2.5	6.6
ENE	.3	1.4	.5	.3								2.5	6.7
E		1.6	2.2	2.9	.2							6.8	9.8
ESE		1.8	2.2	1.4	.2							5.2	9.2
SE		1.1	.5	.8								2.4	8.8
SSE		.3	.5	.2								1.0	7.5
S	.2	.8	2.1	1.3	.5							4.8	9.8
SSW		.6	2.7	1.7		.2						5.2	9.9
SW		1.0	1.7	1.7	.2							4.6	10.2
WSW	.2	1.6	1.4	2.2								5.4	9.2
W	.5	1.7	3.5	2.7	.3							8.7	9.3
WNW	.6	2.5	7.0	3.2	.8							14.1	9.2
NW	.5	3.1	4.7	3.8	.2							11.4	9.1
NNW	.6	3.7	3.2	2.9	.3	.2						10.8	8.9
VARBL													
CALM												3.3	
	5.2	27.8	34.4	26.2	2.7	.3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 631

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229	PORTLAND IAP OR	73-79	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	3.1	4.9	2.2								10.5	8.3
NNE	.5	.3		.2								1.0	5.3
NE		1.1	.3									1.4	5.6
ENE	.2	2.2	.2									2.5	4.8
E	.2	4.1	2.2	1.3	.2							7.9	7.5
ESE	.3	2.5	3.3	1.4								7.3	7.6
SE		1.0	1.7	.2								2.9	7.4
SSE		.8	.5									1.3	6.3
S	.2	.3	2.9	.8								4.1	9.2
SSW		.5	1.7	1.3	.2							3.7	10.1
SW	.2	.3	2.4	1.6								4.5	9.8
WSW	.2	.8	2.1	1.1								4.1	9.0
W	.3	2.5	2.1	.6								5.6	7.1
WNW	.2	4.3	2.5	1.9	.3							8.9	8.1
NW	.3	3.7	4.5	3.7	.3	.2						12.6	9.2
NNW		1.9	7.2	5.1	.5							14.6	9.9
VARBL													
CALM												7.2	
	2.7	29.1	38.2	21.3	1.4	.2						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 629

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 2100-2500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	3.3	2.4	1.1								7.0	7.4
NNE	.3	.2										.5	3.7
NE	.5	.5										1.0	4.3
ENE	1.0	1.6		.2								2.7	4.3
E	.6	4.0	.5	.3								5.4	5.3
ESE	.8	3.7	3.7	1.0								9.0	7.0
SE	.5	1.3	.3	.3								2.4	6.1
SSE		.8	1.0	.2								1.9	7.4
S	.2	1.7	2.5	1.4								5.9	8.1
SSW	.3	.3	1.3	.5	.3							2.7	9.5
SW	.3	1.1	.6	1.1	.3							3.5	9.0
WSW	.5	.8	.5	.5								2.2	6.9
W	1.1	5.7	2.7	.3								9.8	5.9
WNW	.2	4.0	3.3	.8								8.3	7.3
NW	.3	4.1	6.8	1.0								12.2	7.5
NNW	.8	3.2	7.0	1.6								12.5	7.7
VARBL													
CALM												13.0	
	7.5	36.2	32.5	10.2	.6							87.0	6.2

TOTAL NUMBER OF OBSERVATIONS 639

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.3	1.7	.6								6.3	6.4
NNE	.4	.8	.1	.0								1.4	4.6
NE	.3	1.1	.2	.0	.0							1.6	5.0
ENE	.5	1.5	.4	.1								2.6	5.1
E	.5	2.9	1.2	1.0	.1							5.7	7.2
ESE	.6	3.5	2.5	1.1	.1	.0						7.8	7.1
SE	.3	1.8	1.1	.4								3.5	6.5
SSE	.1	1.0	.8	.1								2.0	6.4
S	.5	1.8	3.2	1.8	.2	.0						7.6	8.6
SSW	.2	1.1	2.3	2.3	.3	.0						6.2	9.9
SW	.2	1.2	1.7	1.5	.1	.0						4.7	9.3
WSW	.2	1.3	1.2	.8			.0					3.6	8.1
W	.7	3.3	2.9	.8	.1							7.7	7.0
WNW	.5	3.8	3.4	1.3	.2	.0						9.2	7.6
NW	.6	3.2	3.1	1.3	.1	.0						8.2	7.6
NNW	.5	2.5	3.1	1.4	.1	.0						7.6	8.0
VARBL													
CALM												14.3	
	6.8	34.2	28.8	14.5	1.2	.2	.0					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 5138

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	3.5	2.3									7.5	5.4
NNE	.8	.6										1.4	3.6
NE	.3	.6										.9	3.7
ENE	.3	1.7										2.0	4.3
E	1.2	3.7	.2									5.1	4.3
ESE	.8	4.6	1.5	.3								7.2	5.8
SE	.9	3.5	.8									5.2	5.0
SSE	.2	1.2	.8									2.2	5.9
S	.6	2.3	2.6	1.4								6.6	7.6
SSW	.3	2.5	3.3	1.8	.2							7.8	8.6
SW	.3	2.0	1.1	.6								4.0	7.1
WSW	.6	1.2	.3	.2								2.3	5.2
W	.6	3.4	1.4									5.4	5.5
WNW	1.1	3.4	1.8									6.3	5.5
NW	2.0	7.5	3.1	.8	.2							13.5	6.1
NNW	.5	4.1	5.5	.6								10.8	6.9
VARBL													
CALM												11.8	
	12.1	45.6	29.4	5.7	.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

0300-2500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	3.5	.6									5.2	4.9
NNE	.6	1.8										2.5	4.1
NE	.8	.9	.2									1.8	4.0
ENE	.9	1.1										2.0	3.5
E	1.4	1.5		.2								3.1	4.5
ESE	.8	4.8	2.2	.2								7.8	5.5
SE	.9	3.1	1.4									5.4	5.3
SSE	.8	2.9	.9									4.6	5.1
S	1.8	3.2	3.8	1.7	.2							10.8	7.4
SSW	.8	3.2	3.5	1.4	.3	.2						9.4	8.0
SW	.2	1.1	2.2	1.1								4.5	8.9
WSW	.5	1.4	.6									2.5	5.1
W	.9	4.5	.6									6.0	4.9
WNW	.2	3.5	.9									4.9	5.5
NW	.9	3.8	1.7									6.5	5.5
NNW	.6	4.1	2.2									6.9	5.6
VARBL													
CALM												16.6	
	13.1	44.5	20.7	4.5	.5	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 0600-1800 (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	≥56	%	MEAN WIND SPEED
N	1.5	2.8	1.1	.2								5.5	5.1
NNE	.5	.9	.5									1.8	5.2
NE	.6	1.2										1.8	3.9
ENE	1.2	1.2										2.5	3.6
E	.8	2.5	.2									3.4	4.2
ESE	.8	2.8	2.3	.3								6.1	6.1
SE	1.1	2.0	.8	.3								4.1	5.6
SSE	.5	1.5	.6	.2								2.8	5.4
S	1.1	4.8	3.8	1.8								11.5	7.1
SSW	.5	1.7	2.8	2.6	.2							7.7	9.0
SW	.6	1.8	2.8	2.0								7.2	8.3
WSW	.5	1.8	.8	.2								3.2	6.0
W	.6	2.5	2.2									5.2	6.1
WNW	1.2	4.1	1.2									6.6	5.4
NW	.5	4.0	1.4									5.8	5.4
NNW	.8	4.1	2.5	.2								7.5	6.2
VARBL													
CALM												17.1	
	12.6	39.8	22.7	7.7	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFLTAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | MAY (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	6.1	1.7									8.4	5.4
NNE	.5	2.8	.6									3.8	5.0
NE	.6	2.2	.3									3.1	4.6
ENE	.6	2.8	.6		.?							4.1	5.6
E	.5	2.[illegible]	.3	.8								3.5	7.2
ESE	.3	.6	.5									1.4	5.8
SE	.3	.3	.2									.8	4.8
SSE		.9	.6	.2								1.7	6.8
S		.9	4.6	2.8								8.3	9.7
SSW	.2	1.1	2.9	4.1	.2							8.4	10.9
SW		2.[illegible]	3.7	1.7	.5							7.8	8.8
WSW	.6	1.7	1.8	1.5								5.7	7.9
W	1.1	3.7	4.3	.3								9.4	6.5
WNW	.5	6.5	5.4	.8								13.1	6.6
NW	.6	4.9	3.4	.6								9.5	6.4
NNW	.8	4.1	3.1									8.0	6.2
VARBL													
CALM												2.9	
	7.[illegible]	42.5	33.9	12.7	.8							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	5.8	3.7	.5								10.6	6.4
NNE	.2	2.5	.6									3.2	5.5
NE	.6	2.6	.5									3.7	5.1
ENE	.5	1.4	.9	.2	.2							3.1	6.9
E	.2	1.5	.5	1.2	.6							4.0	10.5
ESE	.3	.2	.5	.6								1.5	8.8
SE	.2	.2	.6	.3								1.2	7.9
SSE		.6	.3	.2								1.1	7.4
S	.2	.2	2.6	3.7								6.6	10.7
SSW	.2	.6	1.7	2.2	.3	.2						5.1	11.1
SW	.6	.9	2.2	2.6	.5							6.8	10.1
WSW	.3	1.8	2.5	.8	.2							5.5	7.6
W	.5	2.2	6.2	1.4								9.8	8.2
WNW		3.5	7.4	2.8	.2							13.8	8.8
NW	.2	3.8	5.5	2.8	.2							12.4	8.5
NNW	.3	3.7	3.8	1.8	.3	.2						10.1	8.4
VARBL													
CALM												1.4	
	4.6	41.3	39.2	21.9	2.3	.3						101.2	8.3

TOTAL NUMBER OF OBSERVATIONS 451

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	4.6	5.2	5.1								15.1	8.7
NNE		1.8	.3									1.7	5.2
NE		1.4	.2									1.5	5.8
ENE	.7	.8	1.1	.6								2.6	7.7
E	.5	1.2	1.1	1.4								4.1	8.3
ESE		.3	1.1	.9								2.3	9.7
SE		.6	.5									1.1	7.3
SSE		.7	.9	.2								1.8	9.2
S	.7	.8	1.7	2.2								4.8	9.4
SSW		.5	1.7	1.5	.2							3.8	10.2
SW	.3	.6	1.4	2.8	.2							4.9	11.4
WSW	.7	.8	2.3	1.4	.6							5.2	10.1
W	.3	1.5	5.2	3.8	.3							11.2	9.7
WNW	.3	1.3	7.8	2.8								12.0	8.7
NW	.2	2.5	5.7	4.5	.6							12.9	9.8
NNW	.2	3.5	5.5	4.6	.3							14.1	9.3
VARBL													
CALM												1.4	
	2.7	22.6	41.5	30.3	2.2							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1800-2100 (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	2.9	6.5	4.9	.2							14.9	9.4
NNE	.2	.8	.6									1.5	5.7
NE		1.1	.3									1.4	5.8
ENE	.3	.9	.5	.3								2.0	6.5
E		2.2	.9	.9								4.0	7.4
ESE		1.8	2.5	.3								4.6	7.5
SE		.8	1.7	.3								2.8	8.1
SSE	.2	.6	1.1	.2								2.0	7.1
S	.2	1.4	1.5	.5								3.5	7.3
SSW		.5	1.7	.5								2.6	8.3
SW		.8	1.2	.2								2.2	7.9
WSW	.3	.8	1.4	1.1	.2							3.7	9.1
W	.3	3.2	3.2	2.3								9.1	8.5
WNW		3.5	3.8	2.5	.2							10.0	8.6
NW	.3	2.2	5.1	6.3	.3							14.1	10.5
NNW	.2	2.6	8.4	7.8	.3							19.4	10.0
VARBL													
CALM												2.3	
	2.3	26.3	40.4	28.0	1.1							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229	PORTLAND IAP OR	73-79	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.5	3.5	1.2								7.7	7.6
NNE	.2	.6	.3									1.1	5.9
NE	.2	.2	.2									.5	5.3
ENE	.6	.3	.2									1.1	4.1
E	.3	1.7	.2	.2								2.3	5.1
ESE	.3	2.8	2.2	.2								5.4	6.6
SE	.2	2.6	1.5	.2	.2							4.6	6.8
SSE	.2	.6	.9									1.7	6.5
S	.3	2.5	1.4	.8								4.9	7.0
SSW	.2	1.8	1.5	.6								4.1	7.1
SW		.9	1.4	.8								3.1	8.3
WSW	.2	2.6	1.1	.2								4.0	5.9
W	.8	3.7	4.6									9.1	6.3
WNW	.8	4.8	5.2	.5								11.2	6.7
NW	.5	3.7	9.7	2.5								16.3	8.1
NNW	.3	4.6	8.3	3.5								16.7	8.4
VARBL													
CALM												6.5	
	5.2	35.8	42.1	10.4	.2							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	4.[illegible]	3.1	1.5	.[illegible]							9.4	7.2
NNE	.3	1.4	.3									2.1	5.[illegible]
NE	.4	1.3	.2									1.8	4.8
ENE	.6	1.3	.4	.1	.[illegible]							2.4	5.5
E	.6	2.[illegible]	.4	.6	.1							3.7	6.5
ESE	.4	2.2	1.6	.3								4.6	6.[illegible]
SE	.4	1.6	.9	.1	.[illegible]							3.1	6.0
SSE	.2	1.1	.8	.1								2.3	6.2
S	.5	2.[illegible]	2.8	1.8	.[illegible]							7.1	6.2
SSW	.2	1.5	2.4	1.8	.2	.[illegible]						6.1	9.2
SW	.2	1.3	2.[illegible]	1.4	.1							5.0	8.8
WSW	.4	1.5	1.3	.7	.1							4.0	7.5
W	.6	3.1	3.4	1.0	.[illegible]							8.1	7.3
WNW	.5	3.9	4.2	1.1	.[illegible]							9.7	7.3
NW	.6	4.1	4.4	2.1	.2							11.4	7.8
NNW	.4	3.9	4.9	2.3	.1	.[illegible]						11.7	8.[illegible]
VARBL													
CALM												7.5	
	7.4	36.[illegible]	33.[illegible]	15.0	.9	.1						[illegible]	6.9

TOTAL NUMBER OF OBSERVATIONS 52[illegible]8

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0000-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	7.6	6.2	.5								15.4	6.2
NNE	.5	1.3	.5									2.2	5.1
NE	1.1	.6	.3									1.9	4.3
ENE	.6	.5										1.1	3.7
E	.6	2.2	.2									3.0	4.3
ESE	1.1	2.2	.3									3.7	4.3
SE	.3	1.3	.5									2.1	5.2
SSE	.3	.8	.2									1.3	4.9
S	.2	2.9	1.9	.3								5.2	6.7
SSW	.5	1.3	.8	1.0	.2	.2						3.5	9.0
SW	.2	1.3	1.3	.6	.3							3.3	8.8
WSW	.3	1.3	.3									1.9	5.0
W	1.1	1.7	.5									3.2	4.8
WNW	.6	3.2	2.1	.2								6.0	5.8
NW	.5	8.9	6.5	1.0								16.9	6.7
NNW	.5	7.8	9.5	1.3	.2							19.2	7.2
VARBL													
CALM												10.0	
	9.2	44.2	31.0	4.8	.6	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 629

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 71-79 (YEARS) JUN (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	1.4	9.7	6.4	.5								18.0	6.1
NNE	1.1	1.1	.5									2.7	4.6
NE	.5	1.3										1.7	4.2
ENE	.8	.8										1.6	3.8
E	1.1	1.1	.2									2.4	4.0
ESE	1.6	3.7	.3									5.6	4.6
SE	.6	2.2	.6									3.5	5.2
SSE	.5	2.2	1.0									3.7	5.4
S	.8	3.3	1.6	.3								6.0	6.1
SSW	.6	1.7	1.3	.8	.2							4.6	7.4
SW	.3	.6	1.0	.2								2.1	7.4
WSW	.6	1.6	.2									2.4	5.3
W	1.1	3.0	.3									4.5	4.5
WNW	.6	3.5	.6									4.8	4.8
NW	.8	4.1	2.2									7.2	5.9
NNW	.3	5.1	5.1	.5								11.0	6.7
VARBL													
CALM												18.4	
	12.9	45.2	21.1	2.2	.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1600-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	8.6	5.4	.6								16.5	6.0
NNE	.6	2.1	.3									3.0	4.6
NE	.6	1.6										2.2	4.3
ENE	.6	2.1	.2									2.9	4.2
E	1.1	.8	.5	.7								2.5	4.8
ESE	1.1	1.4	1.2									3.7	5.2
SE		1.6	.8									2.4	5.9
SSE		.8	.6	.2								1.6	7.[illegible]
S	.2	3.5	2.7	.3								6.7	6.8
SSW		2.5	1.9	1.7								6.3	8.1
SW	.2	.8	1.9	1.3								4.1	8.7
WSW	.3	1.[illegible]	.6									1.7	5.8
W	1.1	1.3	1.[illegible]	.2								3.5	5.2
WNW	1.7	3.2	1.1									6.0	4.9
NW	1.[illegible]	6.2	3.8									11.0	5.9
NNW	1.3	4.5	4.8	.8								11.3	6.8
VARBL													
CALM												14.6	
	11.6	41.8	26.7	5.2								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND TAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1957-1[illegible] (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	9.3	4.8	.2								15.1	5.8
NNE	.6	3.5	.3									4.4	5.2
NE	.3	3.2										3.5	5.4
ENE	.3	2.5	.5									3.3	5.3
E	.2	1.6	.8	.2								2.7	6.4
ESE	.2	.2	.6	.3								1.3	7.6
SE	.3	.6	.2									1.1	5.1
SSE	.2	1.1	.5									1.7	5.8
S	.2	2.4	2.2	.6								5.4	7.2
SSW	.2	1.3	2.9	1.9	.2							6.3	9.5
SW	.3	1.3	2.9	.8								5.2	7.8
WSW	.2	1.4	1.3	.6								3.5	7.1
W	.5	3.7	2.5	.6								7.3	6.1
WNW	.7	4.[illegible]	7.3	.5								12.1	7.1
NW	.3	6.5	5.9	.3								13.3	6.6
NNW	.5	4.8	5.2	.5								11.0	6.8
VARBL													
CALM												3.0	
	6.3	46.2	37.8	6.5	.2							[illegible]	6.4

TOTAL NUMBER OF OBSERVATIONS 430

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	6.5	6.5	1.9	.2							15.2	7.5
NNE	.6	2.4	.5									3.5	4.3
NE		3.7	.3									4.0	5.3
ENE	.2	1.9	.5	.3								2.9	6.3
E	.2	1.3	1.4	.2	.2							2.9	7.6
ESE	.2	.5	.3									1.0	5.3
SE	.2	.2	.2									.5	4.7
SSE	.3	.8	.3									1.4	5.3
S	.3	.8	2.2	.8	.2							4.3	8.6
SSW	.3	1.3	1.6	2.7	.6	.2						6.7	10.9
SW		.6	.8	1.1	.2							2.7	10.2
WSW	.6	1.3	2.4	.2	.2							4.3	7.5
W	.2	4.1	5.4	.8								10.5	7.2
WNW		2.9	8.7	2.4								14.0	8.6
NW		3.5	8.9	1.1								13.5	8.3
NNW	.3	2.5	6.7	2.1								11.6	8.2
VARBL													
CALM												1.3	
	3.5	33.5	46.7	13.5	1.4	.2						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 6[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | JUN (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	.5	3.5	7.9	9.6								21.5	9.6
NNE	.2	1.7	.3									2.2	5.3
NE	.2	.3										1.5	4.3
ENE		1.7	.3									2.1	5.4
E	.2	.8	1.4	.3								2.7	7.6
ESE		.3	1.3									1.6	7.6
SE		.3	.3									.6	7.0
SSE	.2	.2	.3									.6	6.5
S	.2	.3	1.9	.6	.2	.2						3.3	9.7
SSW		.2	1.6	2.1	.8							4.6	12.4
SW		.5	.8	1.4								2.7	9.9
WSW	.2	.3	1.9	.8								3.2	8.3
W	.2	1.4	4.3	1.4								7.3	9.0
WNW		2.7	7.6	2.7								13.0	8.5
NW		3.3	6.2	4.9	.3							14.8	9.5
NNW		2.5	6.8	8.1	1.1	.2						18.6	10.7
VARBI													
CALM												.8	
	1.6	21.6	42.5	31.0	2.2	.3						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.7	1[illegible].3	1[illegible].0	1.7							24.9	10.3
NNE	.3	.9	.3	.3								1.7	7.0
NE	.2	.3	.2									.6	5.5
ENE	.3	1.2	.3									1.6	5.7
E	.2	1.9	1.3									3.3	6.2
ESE		.8	1.1	.2								2.1	7.1
SE		.5	.3									.8	5.8
SSE	.2		.8									1.0	7.3
S		.6	1.0	.3								1.9	8.6
SSW		.5	1.6	.6	.3	.2						3.2	10.5
SW		.3	1.2	.5	.2							1.9	10.6
WSW		.3	1.6	.3								2.2	8.9
W	.2	1.4	2.7	.8								5.1	7.8
WNW		2.1	4.1	1.9	.2							8.3	8.9
NW	.2	1.1	5.7	7.9	.5							15.4	10.9
NNW		1.4	9.4	12.5	1.7							25.1	11.2
VARBL													
CALM												1.0	
	1.4	16.7	41.6	35.4	3.8	.2						1[illegible].2	9.8

TOTAL NUMBER OF OBSERVATIONS 63[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	4.3	8.8	2.7								15.6	8.3
NNE		.6	.6	.2								1.4	6.9
NE	.3	.3										.3	3.5
ENE	.2	.8										1.3	4.2
E	.2	.8		.2								1.1	6.1
ESE		1.4	1.2									2.4	5.9
SE	.2	.6	.8									1.6	6.3
SSE		.3	.3									.6	7.5
S		1.3	1.3	.5								2.7	7.3
SSW		.6	1.3	.8	.3							2.7	9.9
SW		1.1	1.4	.2								2.7	7.8
WSW		2.4	1.1									3.5	6.2
W	.5	3.8	2.1	.3								6.7	6.3
WNW	.9	4.6	5.2	1.6	.3							12.5	7.5
NW	.2	4.1	11.9	2.2	.3							18.6	8.2
NNW	.2	5.9	12.9	5.1								24.0	8.7
VARBL													
CALM												2.7	
	2.9	32.9	47.6	13.7	.8							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	6.5	7.0	3.1	.2							17.6	7.7
NNE	.5	1.7	.4	.1								2.7	5.2
NE	.4	1.5	.1									2.0	4.7
ENE	.4	1.4	.2	.0								2.0	5.0
E	.5	1.3	.7	.1	.0							2.6	5.9
ESE	.5	1.3	.8	.1								2.6	5.6
SE	.2	.9	.5									1.6	5.5
SSE	.2	.8	.5	.0								1.5	5.9
S	.2	1.9	1.8	.5	.0	.0						4.4	7.4
SSW	.2	1.1	1.6	1.4	.3	.1						4.7	9.7
SW	.1	.8	1.4	.8	.1							3.1	8.1
WSW	.3	.2	1.1	.2	.0							2.8	6.6
W	.6	2.6	2.3	.5								6.0	6.7
WNW	.5	3.3	4.6	1.2	.1							9.6	7.5
NW	.4	4.7	6.4	2.2	.1							13.8	7.9
NNW	.4	4.3	7.5	3.9	.4	.0						16.5	8.7
VARBL													
CALM												6.5	
	6.1	35.2	36.9	14.0	1.2	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 5137

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.3	11.3	7.5	.5								21.6	6.2
NNE	1.2	1.5	.2									2.9	4.2
NE	2.3	1.2										3.2	3.6
ENE	.9	1.1										2.0	3.8
E	1.2	1.7										2.9	4.1
ESE	.5	1.1	.5									2.1	5.1
SE	.5	.6	.3									1.4	4.8
SSE		.9	.2									1.1	5.6
S		.8	.6	.2								1.5	6.9
SSW		.6	.8	.8	.2							2.3	9.4
SW	.2	.6	.3	.3								1.4	6.6
WSW	.5	.6	.3									1.4	5.0
W	.3	2.3	.3									2.9	4.6
WNW	.8	3.7	1.5									6.0	5.5
NW	.9	7.2	8.6	.5								17.2	6.6
NNW	.8	11.3	10.1	1.2								23.7	6.8
VARBL													
CALM												7.5	
	12.0	45.8	32.2	3.8	.2							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229	PORTLAND IAP OR	73-79	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	11.4	4.8	.2								18.0	5.6
NNE	.9	2.5										3.4	4.1
NE	1.1	1.1										2.2	3.6
ENE	.8	.9										1.7	3.7
E	.8	.8	.2									1.7	4.2
ESE	2.2	4.3	.2									6.6	4.2
SE	.3	1.5	.3									2.2	5.1
SSE		1.5	.3									1.8	5.4
S	.6	1.5	1.1	.3								3.5	6.6
SSW		1.4	.6	.2	.2							2.3	7.2
SW	.5	.8	.2	.2								1.5	5.9
WSW	.9	1.2		.2								2.3	4.6
W	1.1	4.3	.2									5.2	4.4
WNW	.5	2.8	.3									3.5	5.0
NW	.5	6.5	4.0	.2								11.1	6.1
NNW	1.2	17.9	8.8									28.9	6.3
VARBL													
CALM												12.1	
	12.9	53.0	28.7	1.1	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	10.3	8.6	.8								21.8	6.2
NNE	1.2	3.8	.3									5.4	4.4
NE	1.2	1.7	.2									3.1	4.0
ENE	.9	1.4										2.3	3.9
E	.8	2.0	.5									3.2	4.7
ESE	.3	2.3	.3									2.6	4.8
SE		.8	.8									1.5	6.3
SSE	.3	1.7	.8									2.8	5.8
S	.2	2.8	2.0		.2							4.9	6.4
SSW	.5	1.2	1.5									3.4	6.6
SW	.2	1.1	.2	.3								1.7	5.3
WSW	.3	1.8	.2									2.3	4.4
W	.6	2.8	.2	.2								3.7	5.1
WNW	.5	3.8	1.2									5.5	5.1
NW	1.2	4.8	2.8	.2								8.9	5.8
NNW	1.4	8.2	6.2	.3								16.0	6.0
VARBL													
CALM												10.8	
	11.7	50.2	25.5	1.7	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 650

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	10.1	6.3	.2								17.1	6.1
NNE	.2	4.1	.5									4.8	5.4
NE	.6	2.9	.5									4.0	5.0
ENE	.6	1.5	.3									2.5	5.1
E	.2	.6	.6									1.4	5.7
ESE	.2	.6	.2									.9	5.0
SE	.2	.3	.5									.9	6.2
SSE		.5	.3	.3								1.1	8.3
S		1.8	1.5	.8	.2	.2						4.5	9.0
SSW	.3	1.5	.6	.2								2.6	6.5
SW	.3	1.4	.3	.3								2.3	6.1
WSW	.5	1.8	.6	.3								3.2	6.0
W	.2	5.7	3.1	.2								9.1	6.0
WNW	.5	7.7	5.2	.6								14.0	6.3
NW	2.3	5.5	7.4	.3								15.5	6.3
NNW	.6	7.7	4.5	.3	.2							13.2	6.2
VARBL													
CALM												3.1	
	7.1	53.9	32.1	3.4	.3	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	8.0	5.5	1.4								15.1	6.8
NNE	1.1	4.1	.5	.2								5.8	5.1
NE		.9	.5									1.4	6.2
ENE		2.5	1.1	.2								3.7	6.2
E	.3	.6	1.4	.2								2.5	7.3
ESE		.6	.2									.8	5.0
SE	.2	.2	.2									.5	5.7
SSE		.2	.2									.3	7.0
S	.2	.3	.5	.5	.3	.2						1.8	11.5
SSW	.2	.5	1.1	.8	.2							2.6	9.5
SW	.2	.6	.8									1.5	6.9
WSW		1.8	.9	.2								2.9	6.5
W		3.1	5.8	.8								9.7	7.5
WNW	.3	4.0	11.5	1.7	.2							17.7	8.0
NW		4.5	12.7	1.2								18.4	8.0
NNW	.2	3.8	7.2	3.1								14.3	8.4
VARBL													
CALM												1.1	
	2.6	35.6	49.9	12.0	.6	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	4.9	9.1	6.5								20.7	9.2
NNE	.2	3.5	.6	.2								4.5	5.5
NE	.3	1.4	.8	.2								2.6	6.0
ENE	.2	.8	.2	.3								1.4	6.7
E	.2	.6	1.2									2.0	6.2
ESE		.3	.2									.5	7.0
SE		.5	.2									.6	5.3
SSE													
S		.5	1.1	.3								1.8	8.8
SSW		.3	.3	.2	.2							.9	10.0
SW	.2	.8	.3	.6								1.8	7.7
WSW		.3	.6	.3	.2							1.4	9.9
W	.2	1.8	2.5	1.2								5.7	8.2
WNW		1.2	8.4	1.7								11.4	8.7
NW	.3	3.2	9.1	4.8	.9							18.3	9.5
NNW	.2	3.4	10.3	10.4	1.5							25.8	10.4
VARBL													
CALM												.2	
	1.8	23.5	44.7	26.6	2.8							100.0	9.0

TOTAL NUMBER OF OBSERVATION 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1800-2300 (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	2.5	11.4	9.7	.2							24.0	10.1
NNE	.5	.8	.6	.3								2.2	6.5
NE	.2	.6	.2									.9	4.7
ENE		.6	.3									.9	6.0
E	.5	1.1	.3									1.8	5.2
ESE		.6	.9									1.5	6.7
SE		.2	.5									.6	7.8
SSE		.5	.3	.2								.9	7.2
S		.5	.3									.8	6.8
SSW		.3	.2	.5								.9	9.7
SW		.3	.2									.5	6.3
WSW		.5	.9	.2								1.5	8.4
W		.9	1.5	.2								2.6	7.4
WNW		1.4	3.5	.3								5.2	7.8
NW	.2	2.0	7.5	5.4	.3							16.1	9.6
NNW		3.2	16.7	18.0	.8							38.7	10.6
VARBL													
CALM												.8	
	1.5	16.6	45.3	34.6	1.2							100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	4.6	9.7	2.5								16.9	8.1
NNE	.3	.3	.8									1.4	6.1
NE	.3	.6										1.1	3.7
ENE	.2	.3										.5	4.0
E	.6	.8	.5									1.8	4.7
ESE		.9	.5									1.4	6.2
SE		.3	.2									.5	5.3
SSE			.8									.8	8.6
S		.2	.6	.2								.9	9.0
SSW		.5		.6								1.1	9.9
SW	.2	.2										.3	4.0
WSW	.2	.5	.2									.8	5.4
W	.8	2.8	1.1	.2								4.8	5.7
WNW	.2	4.8	5.2	.5								10.6	6.9
NW	.3	5.5	15.1	1.5								23.4	7.8
NNW	.2	5.5	18.9	5.7								31.2	8.4
VARBL													
CALM												2.6	
	3.4	29.5	53.4	11.1								100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 650

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	7.8	7.8	2.7	.5							19.3	7.4
NNE	.7	2.6	.4	.1								3.8	5.0
NE	.7	1.3	.2	.0								2.3	4.6
ENE	.4	1.1	.2	.2								1.9	5.0
E	.6	1.0	.6	.0								2.2	5.2
ESE	.4	1.3	.3									2.0	5.0
SE	.1	.5	.3									1.0	5.6
SSE	.0	.7	.3	.1								1.1	6.4
S	.1	1.0	1.0	.3	.1	.0						2.5	7.9
SSW	.1	.8	.6	.4	.1							2.0	8.1
SW	.2	.7	.3	.2								1.4	6.4
WSW	.3	1.1	.5	.1	.0							2.0	6.1
W	.4	2.9	1.8	.3								5.5	6.3
WNW	.3	3.7	4.6	.6	.0							9.2	7.1
NW	.7	5.1	8.4	1.7	.2							16.1	7.7
NNW	.6	6.9	10.3	4.9	.3							23.0	8.3
VARBL													
CALM												4.8	
	8.6	38.5	37.9	11.5	.7	.0						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 5206

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	8.6	6.1	.3		.2						16.4	6.2
NNE	.9	1.7	.3									2.9	4.5
NE	.5	1.1										1.5	4.0
ENE	.2	.5										.6	4.0
E	.5	1.4										1.8	4.2
ESE	.6	2.1	.9									3.5	5.5
SE	.2	1.7	1.4	.2								3.4	6.3
SSE	.2	.6	.3	.2								1.5	5.9
S	.8	2.3	1.5	.6								5.2	6.6
SSW	.5	1.1	1.8	.9								4.3	8.0
SW	.3	.2	.8									1.2	6.9
WSW	.5	1.4										1.8	4.1
W	.8	1.8										2.6	4.0
WNW	.8	3.5	1.2									5.5	5.2
NW	.9	6.1	7.4									14.4	6.4
NNW	.5	12.0	8.4	.6								21.5	6.4
VARBL													
CALM												11.5	
	9.2	46.2	30.1	2.8		.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	11.1	3.5									15.7	5.4
NNE	.9	2.3										3.2	4.2
NE	.5	1.7										2.2	4.1
ENE	.5	.8										1.2	4.1
E	.3	.6										.9	4.2
ESE	.9	3.5	1.4									5.8	5.2
SE	1.2	2.9	1.2	.2								5.5	5.1
SSE	.6	1.4	.2									2.2	4.4
S	1.2	3.7	1.4	.5								6.8	5.8
SSW	.3	1.2	1.2	.3								3.1	7.0
SW	.5	2.0	.5	.5	.2							3.5	6.8
WSW	.9	1.7										2.6	4.1
W	.8	1.7										2.5	4.2
WNW	.9	2.6	.6									4.1	4.8
NW	.5	6.5	3.4	.3								10.6	6.0
NNW	.8	12.1	5.2	.5								18.6	5.9
VARBL													
CALM												11.5	
	11.8	55.8	18.6	2.2	.7							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 651

USAFETAC FORM JUL 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	9.8	4.1									15.7	5.5
NNE	1.5	2.6	.6									4.8	4.4
NE	.8	2.3										3.1	4.4
ENE	.3	.6	.2									1.1	4.4
E	.8	1.7	.2									2.6	4.5
ESE	.5	3.2	1.2									4.9	5.5
SE	.5	3.4	1.1	.2								5.1	5.8
SSE	.3	1.2	.2									1.7	4.9
S	.8	4.1	1.4	.2								6.5	5.3
SSW	.5	1.5	1.5	.5								4.0	6.7
SW	.5	1.2	1.4	.8	.3							4.1	8.3
WSW	.8	1.7	.6	.2								3.2	5.1
W	1.2	2.3	.2									3.7	4.3
WNW	1.2	2.7	.2									3.4	4.1
NW	.9	6.5	3.5	.2								11.1	6.1
NNW	1.4	6.3	5.5	.2								13.4	6.2
VARBL													
CALM												11.8	
	13.5	50.5	21.8	2.0	.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0900-1106 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	10.0	2.8									14.9	5.1
NNE	1.1	4.6										5.7	4.4
NE	1.1	2.6	.3									4.0	4.7
ENE	.9	2.5	.3									3.7	4.5
E	.2	1.2	.6									2.0	5.6
ESE	.2	.5	.8									1.4	6.3
SE	.3	1.4	.9	.2								2.8	6.0
SSE	.3	.8	.5	.2								1.7	5.8
S	.7	2.3	3.1	.5	.2							6.1	7.7
SSW	.6	1.1	1.4	.5								3.5	6.9
SW	.2	1.2	1.8	1.7								4.9	9.2
WSW	.6	1.2	.5	.3								2.6	6.0
W	1.1	4.0	2.0									7.1	5.5
WNW	.8	5.5	2.6	.2								10.0	5.8
NW	.8	8.3	3.7	.2								12.9	5.9
NNW	.2	7.7	5.5	.2								13.5	6.3
VARBL													
CALM												3.2	
	10.4	55.8	26.7	3.7	.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	4.9	3.8	.8								10.4	6.6
NNE	.5	2.8	.3									3.5	5.0
NE	.2	2.2	.2									2.5	5.2
ENE		1.5	.8									2.3	6.0
E		1.2	.6	.2								2.0	6.6
ESE	.3	.6	1.1									2.0	6.3
SE		.9	.5									1.4	5.9
SSE	.2	.6	.3	.5								1.5	8.0
S		.8	2.5	1.1								4.3	9.3
SSW		.3	1.4	2.0	.2							3.8	10.6
SW		.5	.9	.9								2.3	10.5
WSW	.3	1.5	1.2	.2								3.2	6.3
W	.3	2.5	5.1	.8								8.6	7.6
WNW	.9	5.1	10.3	1.4								17.7	7.6
NW	.5	5.2	12.9	1.7								20.3	7.7
NNW	.5	4.9	6.6	1.2								13.2	7.4
VARBL													
CALM												.9	
	4.5	35.5	48.4	10.6	.2							100.1	7.4

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	3.4	7.4	4.5	.6							16.1	9.4
NNE	.5	2.2	1.2									3.8	5.8
NE		.5	.3									.8	5.8
ENE	.3	1.1	.6									2.0	5.5
E	.3	.6	1.5	.3								2.8	7.1
ESE		.3	.9	.3								1.5	8.3
SE	.2	.6	.6	.3								1.7	7.2
SSE		.6	.3									.9	6.5
S	.2		1.2	.5								1.8	9.4
SSW		.9	2.0	.3								3.2	7.7
SW		.5	1.5	.2								2.2	8.1
WSW		1.1	.8	.8								2.6	8.4
W	.5	1.7	3.5	.9								6.6	7.4
WNW		1.8	7.7	1.5								11.1	8.3
NW	.3	4.3	9.7	3.2	.2							17.7	8.5
NNW	.2	3.1	11.4	9.7	.2							24.4	10.0
VARBL													
CALM												.8	
	2.6	22.6	50.7	22.6	.9							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229	PORTLAND IAP OR	73-79	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	4.3	7.5	7.1	.2							19.2	9.3
NNE	.3	1.5		.2								2.0	5.2
NE	.2	.3										.5	4.7
ENE	.2	.9										1.1	4.4
E	.3	1.2	.5									2.0	5.2
ESE		1.5	1.4	.2								3.1	6.8
SE	.2	.6	.8	.2								1.7	6.8
SSE	.2		.6									.8	7.0
S		.8	2.0	.8								3.5	8.0
SSW		.3	1.2	.3								1.8	9.0
SW	.3	.2	.5	.3								1.2	7.5
WSW	.2	1.4	.5	.2	.3							2.5	7.6
W	.5	1.5	1.2	.8								4.0	6.9
WNW	.2	2.6	2.2	.5								5.4	7.0
NW	.3	1.8	6.9	4.2								13.2	9.5
NNW	.3	4.5	14.2	17.4	.3							36.6	10.3
VARBL													
CALM												1.4	
	3.1	23.5	39.4	31.8	.8							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 650

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	5.8	7.2	1.1								14.4	7.0
NNE	.3	.8	.2									1.2	4.8
NE	.3	.5										.8	4.0
ENE		.3										.3	4.5
E	.2	1.7	.2	.2								2.2	5.4
ESE		.8	1.1									1.8	6.7
SE	.2	1.2	.6									2.0	5.6
SSE		1.2	.3									1.5	5.4
S	.3	1.4	2.3	.2								4.1	7.1
SSW	.2	.3	.6	.9	.3							2.3	11.0
SW		.6	.3	.8	.2							1.8	9.9
WSW	.3	1.7	.5		.2							2.6	5.7
W	.5	2.6	.3	.2								3.5	5.2
WNW	.6	4.5	3.7									8.8	6.1
NW	.5	6.0	14.3	1.2								22.0	7.7
NNW	.6	6.9	17.5	2.8								27.8	8.0
VARBL													
CALM												2.8	
	4.1	36.3	49.0	7.2	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	7.2	5.3	1.7	.1	.0						15.4	6.9
NNE	.7	2.3	.3	.0								3.4	4.7
NE	.4	1.4	.1									1.9	4.6
ENE	.3	1.0	.2									1.5	4.9
E	.3	1.2	.4	.1								2.0	5.5
ESE	.3	1.6	1.1	.1								3.0	6.0
SE	.3	1.6	.9	.1								2.9	5.9
SSE	.2	.8	.3	.1								1.5	5.8
S	.4	1.9	1.9	.5	.0							4.8	7.0
SSW	.2	.8	1.4	.7	.1							3.3	8.2
SW	.2	.8	1.0	.6	.1							2.7	8.5
WSW	.4	1.5	.5	.2	.1							2.7	5.9
W	.7	2.3	1.5	.3								4.8	6.1
WNW	.7	3.6	3.6	.4								8.2	6.6
NW	.6	5.6	7.7	1.4	.0							15.3	7.4
NNW	.5	7.2	9.3	4.1	.1							21.1	8.0
VARBL													
CALM												5.5	
	7.4	40.8	35.6	10.3	.4	.0						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 5207

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	3.5	1.9	.2								6.8	5.6
NNE	.8	1.6	.3									2.7	4.5
NE	.5	.5										1.0	3.7
ENE		.6										.6	4.8
E	.8	.6	.3									1.7	4.6
ESE	.2	4.8	3.2	.8								8.1	6.7
SE	.5	3.3	2.5									6.3	6.1
SSE	.2	2.9	1.9									4.9	6.0
S	1.5	2.7	3.0	.5								7.1	6.5
SSW	.2	.8	.8	.3	.2							2.2	7.6
SW	.5	1.3	.6		.2							2.2	6.3
WSW	.6	1.7										2.4	4.1
W	.8	6.8	.8									8.4	4.9
WNW	1.3	5.7	1.7	.2								8.9	5.5
NW	.5	6.0	3.0	.6								10.2	6.0
NNW	.8	4.4	2.7									7.9	5.7
VARBL													
CALM												18.4	
	9.7	46.2	22.9	2.5	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (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	1.1	3.7	1.1									5.9	5.2
NNE	.2	1.0	.2									1.3	4.9
NE	.3	1.1										1.4	4.3
ENE		1.7										1.7	4.5
E	.5	1.4	.5	.2								2.5	5.5
ESE	.5	3.3	2.2	.5								6.5	6.3
SE	1.1	3.8	1.7	.2								6.8	5.5
SSE	.5	2.9	1.0	.2								4.4	5.6
S	1.7	4.9	2.5	.5	.2							9.8	6.1
SSW	.5	2.1	1.4	1.1	.2							5.2	7.4
SW	.5	1.4	.5	.2								2.5	5.3
WSW	.5	2.4	.2									3.0	4.3
W	.8	6.0	.8									7.6	4.8
WNW	.8	5.6	1.3									7.6	5.1
NW	1.1	3.2	1.4	.6								6.3	5.9
NNW	1.0	4.0	1.6	.3								6.8	5.7
VARBL													
CALM												19.3	
	11.0	48.4	16.3	3.7	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	5.1	1.1									7.5	4.9
NNE	.6	2.4	.3									3.3	4.3
NE	.3	1.7										2.1	4.0
ENE	.5	2.1										2.5	4.3
E	.5	1.7	.5	.3								3.0	5.7
ESE	.6	3.5	1.6									5.7	5.6
SE	1.1	2.9	1.7	.3								6.0	5.8
SSE	.2	2.1	1.6									3.8	5.9
S	1.6	3.5	1.9	.5								7.5	6.0
SSW	.8	2.4	.8	.6	.2							4.8	6.8
SW	.3	1.4	1.3	.8								3.8	7.5
WSW	.6	1.0	.3									1.9	4.4
W	1.4	4.4	1.4									7.3	5.1
WNW	1.0	6.0	3.2									10.2	5.6
NW	1.0	4.4	2.9	.2								8.4	5.9
NNW	.5	3.0	1.1									4.6	5.4
VARBL													
CALM												17.6	
	12.2	47.6	19.7	2.7	.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	9.2	2.5	.2								12.7	5.5
NNE	1.7	3.2										4.9	4.3
NE	.8	1.4										2.2	4.1
ENE		2.1	.2	.2								2.4	5.9
E	.3	2.7	1.0	1.3	1.1							6.4	9.4
ESE	.3	.5	1.9	1.1	.2							4.0	9.2
SE	.5	2.4	1.4	.5								4.8	6.3
SSE		1.1	.8	.2								2.1	6.3
S	.5	1.0	2.9	1.1	.2							5.6	8.5
SSW	.3	1.3	1.9	1.9								5.4	8.9
SW	.5	1.7	1.7	1.1								5.1	7.7
WSW	.3	2.1	.5									2.9	5.7
W	.5	3.2	1.4									5.1	5.6
WNW	.6	6.2	4.8	.5								12.1	6.4
NW	.5	5.6	4.3	.2								10.5	6.3
NNW	.6	4.9	2.7	.2								8.4	6.2
VARBL													
CALM												5.6	
	8.3	48.5	28.0	8.3	1.4							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	7.2	3.2	1.3								12.7	6.5
NNE	.3	2.7	.6	.5								4.1	6.2
NE	.3	1.7	.6									2.7	5.5
ENE		.5	.6	1.0	.6							2.7	11.8
E	.2	1.1	1.9	7.6	1.0							11.8	12.2
ESE	.3	1.7	2.4	1.1	.5							6.0	9.1
SE		.5	.8									1.3	7.8
SSE	.2	.8	.6	.2								1.7	7.0
S	.3	2.2	2.7	.8								6.0	7.7
SSW	.3	1.0	2.1	1.9	.3							5.6	10.0
SW	.2	1.1	2.1	1.1								4.5	8.9
WSW		2.2	1.1									3.3	6.0
W	.6	2.7	3.3	.5								7.2	6.8
WNW	.3	3.7	5.1	1.0	.2							10.2	7.5
NW	.2	4.0	5.6	1.1								10.8	7.6
NNW		2.9	3.3	.8								7.0	7.5
VARBL													
CALM												2.4	
	4.3	35.9	36.1	18.8	2.5							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 629

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	4.9	5.6	2.2								13.0	8.0
NNE	.8	2.4	.8	.6								4.6	6.1
NE		.8	.3									1.1	5.9
ENE	.2	1.4	.6	1.9	.6							4.8	10.7
E	.5	1.7	4.0	7.0	.5							13.7	11.1
ESE	.2	1.0	2.5	.5	.2							4.3	8.4
SE		1.0	1.0	.6								2.5	8.1
SSE	.2	.2	.3	.2								.8	7.6
S		1.0	1.9	1.0								3.8	9.0
SSW		.3	1.4	1.9								3.7	10.9
SW		.6	2.1	1.3	.2							4.1	10.2
WSW	.2	.6	1.7	.8								3.3	8.6
W	.3	2.1	2.1	.5	.2							5.1	7.2
WNW	.6	3.8	3.2	.6	.2							8.4	7.1
NW	.2	2.5	4.8	2.1	.2							9.7	8.5
NNW	.5	3.0	6.2	5.1	.2							14.9	9.6
VARBL													
CALM												2.2	
	3.8	27.3	38.4	26.2	2.1							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	3.2	4.6	2.7								10.8	8.4
NNE	.6	.8	1.1	.3								2.9	6.8
NE	.3	1.1	.2									1.6	4.4
ENE	.5	.6	.5	1.1								2.7	8.4
E	1.1	3.8	2.2	1.7								8.9	7.3
ESE	.8	2.9	2.5	1.0								6.7	7.3
SE		1.6	1.4	.3								3.3	7.2
SSE		.3	.8	.2								1.3	7.4
S	.2	2.4	2.1	.5								5.1	7.1
SSW	.3		1.4	.8								2.5	9.2
SW	.2	1.1	1.1	.5								2.9	7.9
WSW	.6	1.0	1.1	.3								3.0	6.4
W	.2	3.7	.8	.2								4.8	5.5
WNW		4.4	3.5	.3	.2							8.4	7.0
NW	.3	2.7	5.1	2.7								10.8	8.4
NNW	.5	3.5	10.3	4.1	.2							18.6	9.1
VARBL													
CALM												5.9	
	5.4	33.0	38.7	16.7	.3							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	4.9	3.8	.3								9.4	6.4
NNE	.6	.8	.6									2.1	5.4
NE	.6	.6										1.3	3.8
ENE	.5	.8										1.3	4.3
E	.2	1.4	.6	.2								2.4	6.3
ESE	.5	3.2	2.7	.6								7.0	6.8
SE	.8	2.5	2.2	.2								5.7	6.1
SSE	.2	.6	1.9									2.7	7.5
S	.3	3.2	2.4	.3								6.2	6.8
SSW	.2	1.0	1.3									2.4	6.7
SW	1.0	.8	.2									1.9	4.3
WSW	.8	1.9	.3									3.0	4.4
W	1.9	5.4	1.9	.2								9.4	5.9
WNW	.6	7.3	3.7									11.6	6.0
NW	.5	8.3	5.1	.6								14.4	6.4
NNW		4.4	5.9	.8								11.1	7.3
VARBL													
CALM												8.3	
	8.9	47.1	32.5	3.2								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 637

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	5.7	3.0	.9								9.8	6.5
NNE	.7	1.8	.5	.2								3.2	5.3
NE	.4	1.1	.1									1.7	4.5
ENE	.2	1.2	.2	.5	.2							2.3	7.8
E	.5	1.8	1.4	2.3	.3							6.3	9.4
ESE	.4	2.5	2.4	.7	.1							6.0	7.3
SE	.5	2.2	1.6	.3								4.6	6.3
SSE	.2	1.3	1.1	.1								2.7	6.3
S	.7	2.6	2.4	.6	.0							6.4	7.0
SSW	.3	1.1	1.4	1.1	.1							4.0	8.5
SW	.4	1.2	1.2	.6	.0							3.4	7.7
WSW	.5	1.6	.7	.1								2.9	5.6
W	.8	4.3	1.6	.2	.0							6.8	5.5
WNW	.7	5.3	3.3	.3	.1							9.7	6.3
NW	.5	4.6	4.3	1.0	.0							10.1	6.9
NNW	.5	3.8	4.2	1.4	.0							9.9	7.6
VARBL													
CALM												10.1	
	7.9	41.8	29.1	10.2	.9							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 5038

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	2.0										2.9	4.2
NNE	.2	.5										.6	4.3
NE	.3	.9										1.2	4.5
ENE		.3										.3	4.5
E		.9	.5	.5	.2							2.0	9.1
ESE	.9	4.0	4.6	1.4								10.9	7.1
SE	1.5	3.4	4.2	.3								9.4	6.3
SSE	.5	1.1	.9	.2								2.6	5.8
S	2.3	3.7	1.7	.8								8.5	5.5
SSW	.9	1.7	.9	2.5	.2							6.2	8.8
SW	.9	1.7	.6	.5								3.7	5.8
WSW	.9	2.0	.5									3.4	5.0
W	1.8	5.8	1.1									8.8	4.6
WNW	1.1	3.7	1.1									5.8	5.0
NW	.9	3.5	1.2									5.7	5.5
NNW	.2	4.9	1.7									6.8	5.7
VARBL													
CALM												21.2	
	13.4	40.2	16.9	6.0	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 650

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.6	.3									3.7	4.9
NNE	.8	1.7		.2								2.6	4.7
NE	.6	.8										1.4	3.8
ENE	.2	.3										.5	4.3
E	1.1	.5	.3	.8								2.6	7.1
ESE	1.1	4.6	3.8	1.4	.3							11.2	7.2
SE	.8	5.1	3.7	.5								10.0	6.5
SSE	.8	2.2	.8									3.7	5.1
S	1.1	3.6	1.7	.9								7.5	6.6
SSW	.5	1.1	.6	1.4								3.5	8.3
SW	.3	2.0	.5	1.1	.2							4.0	7.7
WSW	.6	1.7	.6	.2	.3							3.4	6.5
W	2.3	5.7	.6									8.6	4.5
WNW	1.1	4.2	.9	.2								6.3	5.1
NW	.9	2.5	1.2	.2								4.8	5.7
NNW	.9	2.6	.8	.2								4.5	5.8
VARBL													
CALM												21.7	
	13.7	41.2	15.8	6.8	.8							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 650

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	3.1	.5									4.3	5.0
NNE	.5	1.8	.2									2.5	4.4
NE	.2	2.0										2.2	4.9
ENE	.6	.9										1.5	3.8
E	.2	1.5	.2	.5								2.3	6.7
ESE	.5	4.3	4.6	1.5	.2							11.1	7.6
SE	.6	2.5	2.9	1.2								7.2	7.2
SSE	.6	3.2	1.1									4.9	5.5
S	2.2	4.6	1.1	.9								8.8	5.8
SSW	1.2	1.5	1.7	1.8								6.3	8.0
SW	.3	1.7	.5	.9								3.4	7.3
WSW	1.1	1.2	.3	.2								2.8	4.7
W	2.2	6.2	.3									8.6	4.3
WNW	.6	3.7	.6									4.9	5.2
NW	.3	3.2	.9	.2								4.6	5.8
NNW	.6	.9	1.1									2.6	6.0
VARBL													
CALM												22.0	
	12.3	42.5	15.8	7.2	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 650

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) 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	2.3	6.1	.9	.2								9.4	4.7
NNE	.9	1.5	.9									3.4	5.2
NE	.5	1.4										1.8	4.3
ENE	.6	1.2										1.8	4.1
E	.6	.9	.9	1.2	.3	.2						4.1	9.5
ESE	.3	2.8	4.0	2.5	.3							9.8	8.9
SE	.6	2.3	3.4	.8								7.1	7.5
SSE	.3	1.4	.6	.2								2.5	5.9
S	.8	2.8	2.9	1.8	.3	.2						8.8	8.6
SSW	1.2	1.4	1.8	1.8	1.7	.2						8.1	10.5
SW	.2	.8	.6	1.1	.2							2.8	9.7
WSW	.9	.9	.9									2.8	5.3
W	1.2	3.5	.8									5.5	5.1
WNW	.3	4.9	3.2									8.4	6.0
NW	1.4	3.4	1.8									6.6	5.4
NNW	.6	3.5	1.1	.2								5.4	5.4
VARBL													
CALM												11.7	
	12.7	38.7	24.0	9.7	2.8	.5						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	4.6	1.2	.5								7.5	5.4
NNE	.3	2.3	.6									3.2	5.2
NE	.3	1.2	.2									1.7	4.9
ENE	.2	1.8	.6	.6	.2							3.4	7.4
E	.3	1.2	2.2	2.9	1.1	.2						7.8	11.3
ESE		1.5	2.6	2.8	.3							7.2	10.1
SE	.2	.6	2.6	1.1								4.5	8.9
SSE		.3	.9	.3								1.5	8.0
S	.5	1.7	3.4	2.6	.3	.2						8.6	9.3
SSW	.3	.9	1.4	2.0	.9	.2						5.7	11.6
SW	.2	.8	2.[illegible]	2.2	.2	.2						5.4	10.5
WSW	.5	1.8	.9	.5	.3							4.0	7.3
W	.3	4.5	3.5	.3								8.6	6.4
WNW	.3	3.4	4.2	1.1								8.9	7.4
NW	.5	3.2	2.6	.6								6.9	6.6
NNW	.9	4.8	1.5	.5	.3							8.0	6.2
VARBL													
CALM												6.9	
	5.8	34.8	30.5	17.8	3.5	.6						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 650

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	3.2	2.8	.8	.2							7.4	7.2
NNE	.3	1.7	.8									2.8	5.5
NE	.2	2.2	.2	.2								2.6	5.0
ENE	.5	1.1	.3	.8								2.6	7.2
E	.9	3.7	1.2	3.4	.8							10.0	9.4
ESE	.3	2.3	2.8	3.4	.2							8.9	9.2
SE		1.5	2.9	1.4								5.8	8.6
SSE		.3	1.1	.2								1.5	7.8
S	.5	.8	3.2	2.2								6.6	8.8
SSW	.2	1.1	2.0	2.0	.5							5.7	10.1
SW	.3	1.2	1.4	.9		.2						4.0	8.7
WSW	.3	1.1	1.4	.2								2.9	6.7
W	.8	4.6	3.8	.3	.2							9.7	6.7
WNW	.2	3.1	3.2	.8								7.2	7.0
NW	.3	2.9	2.7	.9								6.3	7.7
NNW	.3	2.2	3.7	3.2								9.4	8.9
VARBL													
CALM												6.6	
	5.4	32.9	32.9	20.4	1.7	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	1.7	.6								5.5	6.6
NNE	.5	.2	.2									.8	4.6
NE	.2	.6										.8	4.2
ENE	1.2	1.1	.5	.5								3.2	5.5
E	1.2	3.5	1.1	1.7								7.5	7.0
ESE	.3	4.0	5.1	2.2								11.5	7.8
SE	.6	2.2	2.3	.8	.2							6.0	7.4
SSE	.6	2.0	.6	.6								3.8	6.2
S	.6	3.4	1.7	1.2								6.9	7.1
SSW	.5	1.4	1.1	.8	.2							3.8	7.9
SW	.6	1.4	.3		.2							2.5	5.3
WSW	.9	2.3	.9									4.1	4.9
W	.8	4.9	.9	.2								6.8	5.4
WNW	.6	4.0	2.8									7.4	5.8
NW	1.1	3.2	4.0									8.3	6.5
NNW	.5	2.9	3.7	.9								8.0	7.2
VARBL													
CALM												13.1	
	10.8	39.6	26.7	9.4	.5							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (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	.6	1.2	.6									2.5	5.3
NNE	.2	.6										.8	4.4
NE													
ENE	.5	.3	.2									.9	4.3
E	.5	1.8	.8	1.2	.2							4.5	8.1
ESE	1.5	4.8	5.1	.8								12.1	6.6
SE	.6	2.8	4.3	.9	.3							8.9	7.6
SSE	.3	2.0	.3									2.6	4.6
S	.9	2.2	1.7	.9								5.7	6.8
SSW	.9	1.8	1.7	1.4	.2							6.0	7.8
SW	.2	1.8	.6	.3	.2							3.1	7.0
WSW	1.2	1.7	.3									3.2	4.3
W	2.2	6.6	.5									9.2	4.6
WNW	.8	5.7	1.8									8.3	5.2
NW	.8	4.8	3.1									8.6	5.8
NNW	.5	2.5	1.7									4.6	6.0
VARBL													
CALM												19.3	
	11.5	40.6	22.6	5.5	.8							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	3.2	1.0	.2	.0							5.4	5.5
NNE	.4	1.3	.3	.0								2.1	5.0
NE	.3	1.1	.0	.0								1.5	4.6
ENE	.5	.9	.2	.2	.0							1.8	5.8
E	.6	1.8	.9	1.5	.3	.0						5.1	8.9
ESE	.6	3.5	4.1	2.0	.2							10.4	7.9
SE	.6	2.5	3.3	.9	.1							7.4	7.3
SSE	.4	1.6	.8	.2								2.9	5.9
S	1.1	2.9	2.2	1.4	.1	.0						7.7	7.3
SSW	.7	1.4	1.4	1.7	.4	.0						5.7	9.3
SW	.4	1.4	.8	.9	.1	.0						3.6	8.0
WSW	.8	1.6	.7	.1	.1							3.3	5.6
W	1.4	5.2	1.4	.1	.0							8.2	5.2
WNW	.6	4.1	2.2	.2								7.2	5.9
NW	.8	3.3	2.1	.2								6.5	6.1
NNW	.6	3.0	1.9	.6	.0							6.1	6.6
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	15.3	
	10.7	38.8	23.4	10.4	1.3	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 5204

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.3	.3									1.9	5.0
NNE	.2	.6	.2									1.0	5.0
NE		1.0	.2	.3								1.4	6.3
ENE	.2	1.3	.2									1.6	4.9
E	.2	1.0	1.0	1.3	.6	1.0	.2					5.1	14.3
ESE	.5	3.2	8.1	5.6	1.3		.2					18.8	10.0
SE	.5	4.3	5.9	3.7	.3							14.6	8.5
SSE	1.0	1.9	1.7	.5								5.1	6.5
S	.5	3.0	1.3	1.9	.3							7.0	8.4
SSW	1.0	.8	1.6	1.7	1.3							6.3	10.2
SW	.6	1.4	1.9	2.9	.3							7.2	9.7
WSW	1.1	1.9	.8	.6								4.5	6.0
W	1.4	4.6	.2	.2	.3							6.7	5.2
WNW	.3	2.5	.8									3.7	5.4
NW		1.6	.2	.5								1.9	6.1
NNW		.6	.3	.2								1.1	7.3
VARBL													
CALM												12.6	
	7.6	31.0	24.3	18.9	4.1	1.0	.3					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (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	.3	1.7	.3	.2								2.5	5.6
NNE		1.3	.5									1.7	5.8
NE	.3	.3	.3									1.0	4.7
ENE	.2	.5										.6	4.0
E	.8	.6	1.3	1.3	1.0	.8	.2					5.9	13.0
ESE	1.0	2.7	8.7	4.1	.8	.3						17.6	9.5
SE	.6	5.9	3.2	3.0	.3							13.0	8.0
SSE	.5	1.9	1.1	.5								4.0	6.6
S	.3	2.7	2.2	1.6	1.0							7.8	9.1
SSW	.3	1.9	1.9	2.9	.5	.2						7.6	10.0
SW	.2	1.4	1.4	1.7	.3							5.1	9.7
WSW	1.6	2.1	1.6	.6								5.9	6.2
W	1.6	3.7	.3	.2								5.7	4.7
WNW	.8	2.4	.6									3.8	4.9
NW	.2	2.5	1.1									3.8	5.8
NNW	.2	.6	.2	.2	.2							1.3	7.9
VARBL													
CALM												12.6	
	8.7	32.3	24.8	16.2	4.0	1.3	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 629

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.7	1.0									3.5	5.3
NNE	.2	2.1	.3									2.5	4.7
NE	.3	.8										1.1	4.1
ENE		.8	.2									1.0	5.8
E	.2	1.4	1.0	1.6	2.2	.6	.2					7.1	13.8
ESE	.5	3.7	5.6	3.8	.6	.2						14.3	9.3
SE	.6	2.2	5.9	4.4								13.2	8.9
SSE	.6	1.4	1.3	.3								3.7	6.4
S	.6	2.5	2.2	2.5	.3							8.3	8.6
SSW	.3	1.1	1.3	3.5	.8							7.0	11.3
SW	.5	1.9	1.7	1.0	.3	.2						4.6	9.4
WSW	1.3	1.3	.8	.3								3.7	5.7
W	1.3	5.2	1.3	.3								8.1	5.5
WNW		3.0	1.3	.2								4.4	6.1
NW		2.4	.5	.2	.2							3.2	6.6
NNW	.3	.6	.2									1.1	5.0
VARBL													
CALM												13.3	
	7.5	31.3	24.3	18.1	4.4	1.0	.2					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	.3	.2								3.8	4.7
NNE	.8	1.9	.5									3.2	4.9
NE	.?	.3	.2									.6	5.0
ENE	.2	.5	.2									.8	5.0
E		1.4	.6	1.8	2.6	1.6	.2					8.1	15.6
ESE	.2	1.4	5.4	4.8	2.1	.2						14.0	11.5
SE	.3	2.2	5.6	4.5	.2							12.8	9.3
SSE		.3	1.3	.2								1.8	8.8
S	.3	2.2	3.2	2.4								8.1	8.3
SSW		1.6	2.1	4.5	1.1	.3						9.6	12.0
SW		1.4	1.9	1.6	.2							5.1	9.3
WSW	.?	2.4	.8	.2								3.5	5.9
W	.6	4.?	1.?	.3								6.1	5.7
WNW	.6	3.8	1.3	.5								6.2	5.8
NW	.3	1.9	1.3	.5								4.0	6.7
NNW	.2	1.8	.6									2.6	5.9
VARBL													
CALM												9.7	
	4.9	29.5	26.3	21.2	6.1	2.1	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 627

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.1	1.6	.2								4.3	6.0
NNE	.2	1.1	.2									1.4	4.9
NE		.6										.6	4.3
ENE	.2	.6	.2									1.0	5.2
E	.2	1.4	1.3	2.2	2.7	1.7	.5					10.0	15.5
ESE	.3	2.4	7.0	7.3	2.4	.6						20.0	11.2
SE	.5	1.6	4.0	3.8								9.8	9.6
SSE		.6	1.6									2.2	7.4
S	.2	1.0	2.2	4.3	.2							7.8	10.7
SSW	.2	.6	2.1	3.3		.5						6.7	11.6
SW		.2	3.0	2.7	.6	.6						7.1	12.5
WSW	.3	.3	1.0	1.0	.2							2.7	9.3
W	.3	3.2	1.7	.8								6.0	6.9
WNW	.3	3.7	2.2	.8								7.0	6.9
NW	.3	1.9	1.3	1.3								4.8	7.7
NNW	.5	1.9	1.0	.2								3.5	6.0
VARBL													
CALM												5.1	
	3.9	23.2	30.2	27.8	6.7	3.5	.5					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 631

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229	PORTLAND IAP OR	73-79	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.3	.5	.3								2.2	6.5
NNE	.3	1.0	.2									1.4	4.7
NE	.3	.2	.2									.6	4.5
ENE	.8	.6	.3	.2								1.9	5.2
E	.2	1.4	1.7	3.5	1.6	.8	.5					9.7	13.8
ESE	.3	1.7	7.9	7.5	2.4	1.4						21.3	11.9
SE	.3	1.6	5.7	4.3								11.9	9.5
SSE	.2	1.9	2.1	.3								4.4	7.1
S	.3	1.3	2.2	3.2	.5							7.5	10.2
SSW		1.1	2.4	1.3	.2	.2						5.1	10.2
SW	.2	1.4	1.9	1.6	.3	.5	.2					6.0	11.1
WSW	.3	1.6	1.6	.2								3.7	6.6
W	.3	3.7	1.1	1.0								6.0	6.3
WNW	.5	2.1	1.0	.8								4.3	7.1
NW	.5	1.6	1.3	.5								3.8	6.6
NNW	.2	1.3	1.3	.5								3.2	7.1
VARBL													
CALM												7..	
	4.8	23.7	31.3	24.9	4.9	2.9	.6					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1800-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.8	.3									1.7	4.9
NNE	.3	.5										.8	4.4
NE	.3		.3									.6	5.8
ENE	.5	.3	.5	.2								1.4	6.8
E	.8	1.1	2.7	1.3	.8	1.1	.5					8.1	12.7
ESE	.3	4.0	9.7	10.6	2.4	.3						27.3	10.3
SE	.2	3.3	6.8	3.3	.3							14.0	8.7
SSE		1.3	3.0									4.3	7.2
S	.2	2.1	2.5	1.3	.2	.2						6.3	8.6
SSW	.2	.6	1.7	2.2	.8							5.6	10.9
SW	.5	1.0	1.6	1.4	.2	.6						5.2	10.8
WSW	.2	1.1	1.0	.2								2.4	6.4
W	.8	3.7	.6									5.1	5.1
WNW	.2	1.6	.6	.2								2.5	6.0
NW		1.1	.6									1.7	6.2
NNW		1.4	.8									2.2	6.4
VARBL													
CALM												10.6	
	4.9	23.8	32.9	20.5	4.6	2.2	.5					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | NOV (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	.6	.3									1.3	4.8
NNE	.8	.8										1.6	4.1
NE	.3	.3		.2								.8	5.4
ENE	.9	1.1	.2	.2								1.9	5.1
E	.6	1.7	1.6	1.4	1.4	.6	.6					8.1	12.4
ESE	.6	4.3	9.8	8.6	1.1	.6						25.1	10.1
SE	.2	3.3	6.2	3.2								12.9	8.8
SSE	.3	.6	1.1	.3		.2						2.5	8.7
S	.8	1.6	3.0	1.1	.6							7.1	8.8
SSW	.5	.8	2.2	3.2	1.0	.3						7.9	11.6
SW		1.0	.8	2.5	.5							4.8	11.0
WSW	.6	.8	.8	.3								2.5	6.4
W	.5	3.3	.5	.2								4.4	5.0
WNW	.6	1.4	.5									2.5	5.1
NW	.5	1.6	.6									2.7	5.4
NNW	.2	1.1	.2									1.4	5.0
VARBL													
CALM												12.4	
	7.3	24.4	27.8	21.1	4.6	1.7	.6					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 63[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (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	.5	1.5	.6	.1								2.7	5.4
NNE	.3	1.2	.2									1.7	4.8
NE	.2	.4	.1	.1								.9	5.2
ENE	.3	.7	.2	.1								1.3	5.3
E	.4	1.3	1.4	1.8	.6	1.0	.3					7.6	14.7
ESE	.5	2.9	7.8	6.5	1.6	.5	.0					19.8	10.6
SE	.4	3.1	5.4	3.8	.1							12.8	8.9
SSE	.3	1.3	1.6	.3		.0						3.5	7.1
S	.9	2.5	2.4	2.3	.9	.0						7.5	9.1
SSW	.3	1.1	1.9	2.8	.7	.2						6.9	11.1
SW	.2	1.1	1.8	1.9	.3	.2	.0					5.6	10.5
WSW	.7	1.4	1.6	.4	.1							3.6	6.4
W	.9	3.9	.9	.4	.0							6.0	5.6
WNW	.4	2.6	1.0	.3								4.3	5.0
NW	.2	1.8	.9	.3	.0							3.2	6.5
NNW	.2	1.2	.6	.1	.0							2.0	6.3
VARBL													
CALM												10.9	
	6.2	27.4	27.7	21.1	4.8	1.9	.4					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 5135

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.6	.5									1.5	5.1
NNE	.5	.9	.3									1.7	4.7
NE		.8										.8	4.2
ENE	.5	.5										.9	4..
E	.5	1.7	1.1	.6	.2	.3						3.8	8.5
ESE	.9	5.4	7.5	7.1	2.2	.3						23.3	10..
SE	.8	3.1	4.8	4.6	.3							13.5	9.1
SSE	.3	2.7	.6	.6								3.5	6.6
S	.9	2.3	2.8	1.8	.5							7.8	8.3
SSW		1.5	.9	3.7	1.4	.7						7.7	12.7
SW	.8	1.1	1.1	1.5	.9	.6						6.0	11.4
WSW	.3	.6	2.2	.3								3.4	7.8
W	.3	2.3	1.1	.5								4.1	6.4
WNW	.3	1.5	.3	.3								2.5	6..
NW	.5	.9	.3									1.7	4.8
NNW		.9	.2	.3								1.4	7.6
VARBL													
CALM												16.3	
	6.9	25.7	23.5	20.9	5.4	1.4						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.8		.5								1.8	6.2
NNE	.2	.2	.5	.3								1.1	8.3
NE		.5	.2									.6	5.0
ENE	.2	.3										.5	4.3
E	.9	2.0	1.2	1.1	.5	.5						6.1	9.2
ESE	.9	6.8	7.2	6.3	.5	1.1						22.7	9.6
SE	.5	4.0	5.2	3.1	.2							12.9	8.4
SSE	.3	3.4	.6	.5								4.8	5.7
S	.9	1.7	3.5	2.0	.3							8.4	8.6
SSW	.3	1.1	1.2	2.8	.8	.2						6.3	11.8
SW	.2	1.7	1.4	1.2	.8	.5						5.7	11.1
WSW	.5	1.2	.5	.2								2.3	5.5
W	.6	2.3	.9	.5								4.3	6.3
WNW	.3	1.8	.8									2.9	5.4
NW	.2	1.2	.2	.2								1.7	5.4
NNW		1.2	.8	.2	.2							2.3	7.1
VARBL													
CALM												15.5	
	6.5	37.1	24.1	18.6	3.1	2.2						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.8	.2									2.8	4.6
NNE	.2	1.1										1.2	4.9
NE	.2	.6	.2									.9	5.0
ENE		1.1	.2									1.2	5.3
E		1.7	.8	.8	.3	.5						4.0	10.7
ESE	.6	5.8	7.5	6.5	.8	1.5						22.8	10.1
SE	.3	4.3	5.2	5.1	.3							14.9	9.2
SSE	.2	2.3	1.7	.5								4.6	6.7
S	.6	2.8	2.5	2.2	.3	.2						8.5	8.6
SSW	.2	1.2	1.5	1.7	1.2	.2	.2					6.2	11.9
SW	.2	1.4	.6	2.2	.8	.2						5.2	11.1
WSW	.6	1.1	1.1	.5								3.2	6.7
W	1.1	2.3	.8									4.2	4.9
WNW		2.8	.2	.2	.2							3.2	6.1
NW		.9	.3	.5								1.7	7.4
NNW	.2	1.4	.5	.2								2.2	5.9
VARBL													
CALM												13.2	
	4.9	32.3	23.1	20.0	3.8	2.5	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 652

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.8	.5									2.9	4.8
NNE	.6	1.4	.2									2.2	4.4
NE	.8	.8										1.5	3.8
ENE	.3	.5										.8	4.0
E	.6	2.3	1.7	.6	.5	.9						6.6	9.7
ESE	.5	3.3	6.5	5.8	2.3	.9						19.8	11.0
SE	.2	2.6	3.8	6.0								12.6	10.0
SSE	.6	1.4	1.7	.5								4.1	7.2
S	.6	2.5	2.8	1.5	.5	.2						8.0	8.6
SSW	.5	.8	1.7	5.4	1.4	.6	.2					10.4	13.3
SW	.2	.8	1.4	1.7	1.4							5.4	11.9
WSW	.8	.8	.8	.8		.2						3.2	7.8
W	.8	1.4	.5	.2								2.8	5.1
WNW	.2	2.5	.6	.3								3.5	6.2
NW	.2	2.8	1.2	.3								4.5	6.4
NNW	.9	2.0	.8	.2								3.6	5.4
VARBL													
CALM												7.8	
	8.1	28.0	29.0	23.2	6.0	2.8	.2					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	2.5	.8									3.4	5.5
NNE	.6	1.2	.3									2.2	4.4
NE	.2	.5										.6	4.3
ENE	.3	.6										.9	4.5
E	.8	2.?	1.4	1.1	.6	.8						6.8	10.1
ESE	.3	2.2	5.5	6.6	1.8	.8						17.2	11.6
SE	.2	2.?	5.7	5.5								13.4	9.9
SSE	.3	1.1	1.2	.5	.2							3.2	8.0
S	.2	1.8	2.9	2.9	.6	.3						8.8	10.4
SSW	.?	.3	2.6	4.?	1.4	.3	.2					8.9	13.2
SW	.3	1.4	2.2	2.2	.6	.3						6.9	10.4
WSW	.5	1.8	.9	1.2	.2	.2						4.8	8.4
W	.6	2.?	1.7	.6								4.9	7.0
WNW	.8	2.6	1.5	.2								5.1	5.7
NW	.2	2.3	.8	.5								3.7	6.5
NNW	.5	2.?	.8	.6	.?							4.0	7.1
VARBL													
CALM												5.4	
	5.8	26.4	28.3	25.8	5.5	2.6	.2					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.5	.9									2.6	6.0
NNE	.2	1.1	.5									1.7	5.3
NE	.3	.6										.9	4.0
ENE	.2	.6										.8	4.8
E	.3	2.6	.8	.8	.5	.5						5.4	9.5
ESE	.3	3.1	6.3	8.6	2.0	.8	.2					21.3	11.4
SE	.2	1.7	5.9	5.1	.5							13.3	10.2
SSE		1.1	1.1	.5								2.6	7.7
S	1.1	1.4	4.2	2.5	.2	.2						9.4	8.8
SSW	.2	.3	2.9	7.3	.9	.2						6.8	11.8
SW	.3	1.5	2.6	1.7	1.2	.2						7.6	10.7
WSW	.6	.9	1.1	.5	.2							3.2	7.6
W	.5	1.5	1.2	.3	.3							3.9	7.6
WNW	.6	2.8	2.0	.8								6.2	7.0
NW		1.5	1.2	.8	.2							3.7	8.4
NNW		1.1	.8	.2	.2							2.2	7.4
VARBL													
CALM												8.6	
	3.8	23.4	31.4	23.9	6.0	1.7	.2					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 649

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229	PORTLAND IAP OR	73-79	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.5	.5	.2								1.7	5.9
NNE	.5	1.2										1.7	4.1
NE	.2	1.1	.3									1.5	5.3
ENE	.5	.8										1.2	4.1
E	.6	3.2	.9	1.2	.2	.3						6.5	8.0
ESE	.6	5.2	7.6	8.2	2.5	1.1						25.2	10.8
SE		.9	6.7	5.7	.9	.2						13.7	11.0
SSE	.6	1.7	.9	.2	.3							3.7	7.0
S	.3	1.2	2.3	1.5	.6							6.0	9.7
SSW	.3	1.2	2.1	3.4	1.2	.5						8.6	12.4
SW	.3	1.1	1.2	1.4	.6	.2						4.8	10.5
WSW	.3	.6	.6	.5								2.0	7.9
W	.3	1.7	.8	.6								3.4	6.8
WNW	.5	1.5	.8	.3								3.1	6.3
NW	.3	.9	.8	.5	.2							2.6	7.6
NNW	.5	1.2	.2									1.9	4.7
VARBL													
CALM												12.3	
	6.3	29.2	24.8	23.6	6.5	2.2						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 648

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.2	.3									1.5	5.2
NNE	.2	.3										.5	4.3
NE	.2	.2										.3	3.5
ENE	.3	.6	.5									1.4	5.3
E	1.9	2.9	1.5	1.2	.3	.3						8.2	7.4
ESE	.2	3.5	8.0	7.3	2.0	1.7	.2					22.8	11.6
SE	.3	3.9	6.0	5.4	.2							15.7	9.0
SSE	.3	1.1	1.7	.2								3.2	6.9
S	.8	2.6	2.2	1.7	.5							7.7	8.8
SSW	.3	.6	2.0	3.9	1.2	.5						8.6	13.1
SW	.3	.9	1.1	1.5	.8	.2						4.8	11.1
WSW	.3	1.2	.6	.8								2.9	7.4
W	.2	1.5	1.9	.2								3.7	6.9
WNW	.3	1.5	.5	.2								2.5	5.5
NW	.2	1.7	.5	.3								2.6	6.0
NNW	.2	.5	.2	.3								1.1	7.3
VARBL													
CALM												12.3	
	5.7	29.9	26.9	22.8	4.9	2.8	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 648

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (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	.4	1.3	.4	.1								2.3	5.4
NNE	.3	.9	.2	.0								1.5	4.9
NE	.2	.6	.1									.9	4.5
ENE	.3	.6	.1									1.0	4.6
E	.7	2.3	1.2	.9	.4	.5						5.9	9.0
ESE	.5	4.5	7.0	7.8	1.8	1.0	.7					21.9	10.7
SE	.3	2.8	5.3	5.1	.3	.0						13.8	9.6
SSE	.3	1.8	1.2	.4	.1							3.7	6.9
S	.7	2.0	2.9	2.0	.4	.1						8.1	9.0
SSW	.2	.9	1.9	3.4	1.2	.3	.1					7.9	12.6
SW	.3	1.2	1.4	1.7	.9	.3						5.8	11.0
WSW	.5	1.0	1.0	.6	.2	.0						3.1	7.5
W	.5	1.9	1.1	.3	.0							3.9	6.4
WNW	.4	2.1	.8	.3	.0							3.6	6.1
NW	.2	1.5	.7	.4	.0							2.8	6.7
NNW	.3	1.3	.5	.2	.1							2.3	6.5
VARBL													
CALM												11.4	
	6.1	26.8	25.8	22.4	5.2	2.3	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 5199

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) ALL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.7	2.6	1.0	.1	.0						8.3	6.9
NNE	.4	1.3	.3	.0								2.0	4.9
NE	.3	1.0	.1	.0	.0							1.4	4.6
ENE	.4	1.1	.2	.1	.0	.0	.0					1.9	5.8
E	.5	2.0	1.1	1.0	.5	.4	.1	.0				5.7	9.8
ESE	.5	3.0	4.3	2.9	.7	.3	.0					11.7	9.5
SE	.4	2.0	2.7	2.0	.1	.0						7.2	8.6
SSE	.2	1.1	.9	.2	.0	.0						2.4	6.8
S	.5	1.9	2.4	1.5	.2	.1	.0					6.5	8.6
SSW	.3	1.0	1.7	2.1	.5	.1	.0	.0				5.7	10.7
SW	.2	1.0	1.3	1.3	.3	.1	.0					4.2	9.7
WSW	.4	1.2	.9	.5	.1	.0	.0					3.1	7.1
W	.7	2.9	1.8	.4	.0							5.8	6.4
WNW	.5	3.3	2.7	.6	.1	.0						7.1	6.8
NW	.5	3.3	3.4	.9	.1	.0						8.1	7.3
NNW	.4	3.2	3.7	1.6	.9	.0						9.1	7.9
VARBL													
CALM												10.2	
	6.9	32.8	30.1	16.3	2.7	.9	.1	.0				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 61377

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) ALL (MONTH)

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

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 [illegible]	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	4.1	1.6	.1								6.7	5.6
NNE	.5	1.9	.?									2.5	4.6
NE	.6	1.2	.1									1.9	4.2
ENE	.4	1.3	.[illegible]	.0								1.7	4.4
E	.6	2.4	1.1	.1	.[illegible]	.1						4.[illegible]	6.[illegible]
ESE	.7	4.1	5.8	3.[illegible]	.2	.1						13.9	8.3
SE	.4	3.6	4.7	3.1	.1							11.9	8.4
SSE	.3	1.6	1.[illegible]	.1		.[illegible]						3.1	6.2
S	.8	2.4	2.[illegible]	1.4	.3							6.8	7.9
SSW	.4	1.3	1.7	2.7	.9	.1						7.1	11.1
SW	.?	1.[illegible]	.8	1.2	.7	.2	.[illegible]					4.2	11.5
WSW	.5	1.[illegible]	.5	.2	.[illegible]	.[illegible]						2.4	6.7
W	.8	2.9	.5	.2	.[illegible]							4.3	5.2
WNW	.5	2.9	1.[illegible]	.1								4.5	5.6
NW	.4	2.8	1.6	.3	.1							5.2	6.3
NNW	.6	3.3	1.7	.3	.[illegible]							5.8	6.[illegible]
VARBL													
CALM												13.7	
	8.6	37.7	24.2	12.9	2.4	.6	.[illegible]					1[illegible].[illegible]	6.4

TOTAL NUMBER OF OBSERVATIONS 5016

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.

D

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1948. Summaries prepared from data for these stations using the earlier period and data subsequent to January 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	≥ 1⅞	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 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 ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

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

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

79963

ADDITIONAL EXAMPLES

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

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

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

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

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

CLIMATOLOGY BRANCH
USAF ETAC
[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]-2200 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	26.8	27.[illegible]	27.3	27.4	27.4	27.4	27.4	27.4	27.6	27.6	27.6	27.6	27.6	28.[illegible]	28.2
≥ 20000	[illegible]	28.[illegible]	28.2	28.5	28.7	28.7	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.8	29.3	29.7
≥ 18000	[illegible]	28.2	28.4	28.7	28.8	28.8	28.8	28.8	28.8	29.0	29.0	29.0	29.0	29.0	29.4	29.9
≥ 16000	7.9	28.5	28.7	29.[illegible]	29.1	29.1	29.1	29.1	29.1	29.3	29.3	29.3	29.3	29.3	29.7	30.2
≥ 14000	9.[illegible]	29.6	29.9	30.2	30.4	30.4	3[illegible].4	[illegible].4	3[illegible].4	3[illegible].5	3[illegible].5	3[illegible].5	3[illegible].5	30.5	31.[illegible]	31.4
≥ 12000	[illegible].4	31.2	31.3	31.6	31.7	31.7	31.7	31.7	31.7	31.9	31.9	31.9	31.9	31.9	32.4	32.8
≥ 10000	32.[illegible]	33.3	33.[illegible]	34.1	34.5	34.5	34.5	34.5	34.5	34.7	34.7	34.7	34.7	34.7	35.1	35.6
≥ 9000	33.[illegible]	35.6	36.3	36.4	36.8	36.8	36.8	36.8	36.8	37.[illegible]	37.[illegible]	37.[illegible]	37.[illegible]	37.[illegible]	37.4	37.9
≥ 8000	36.[illegible]	37.1	37.6	37.9	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	39.[illegible]	39.4
≥ 7000	39.8	40.4	40.[illegible]	41.1	41.6	41.6	41.6	41.6	41.6	41.8	41.8	41.8	41.8	41.8	42.2	42.7
≥ 6000	41.3	42.[illegible]	43.1	43.5	43.9	43.9	43.9	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.5	45.[illegible]
≥ 5000	47.[illegible]	49.[illegible]	49.[illegible]	49.8	5[illegible].2	5[illegible].2	5[illegible].2	5[illegible].2	5[illegible].2	5[illegible].4	5[illegible].4	5[illegible].4	5[illegible].4	50.4	51.8	51.[illegible]
≥ 4500	50.[illegible]	50.8	51.[illegible]	51.6	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.7	53.2
≥ 4000	4.1	56.[illegible]	57.[illegible]	57.8	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.9	59.[illegible]
≥ 3500	[illegible]5.5	58.4	59.[illegible]	59.5	59.9	59.9	59.9	59.9	59.9	60.1	60.1	60.1	6[illegible].1	60.1	60.6	61.[illegible]
≥ 3000	[illegible]8.9	63.3	63.9	64.4	64.9	64.9	64.9	64.9	64.9	65.[illegible]	65.[illegible]	65.[illegible]	65.[illegible]	[illegible].[illegible]	65.5	65.9
≥ 2500	[illegible].[illegible]	67.[illegible]	68.3	68.7	69.2	69.3	69.3	69.3	69.3	69.5	69.5	69.5	69.5	9.5	70.[illegible]	70.4
≥ 2000	[illegible].[illegible]	69.2	70.[illegible]	71.2	71.6	71.8	71.8	71.8	71.8	72.[illegible]	72.[illegible]	72.[illegible]	72.[illegible]	72.[illegible]	72.4	72.9
≥ 1800	4.[illegible]	[illegible].6	72.[illegible]	73.3	73.8	74.[illegible]	74.[illegible]	74.[illegible]	74.[illegible]	74.1	74.1	74.1	74.1	74.1	74.6	75.[illegible]
≥ 1500	[illegible]6.[illegible]	74.1	76.7	77.7	78.3	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.7	78.7	79.4	79.8
≥ 1200	[illegible].2	77.2	81.[illegible]	82.7	83.4	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.8	83.8	84.4	84.9
≥ 1000	[illegible].5	79.2	83.5	85.4	86.[illegible]	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.6	86.6	87.2	87.7
≥ 900	[illegible].8	8[illegible].[illegible]	84.6	86.4	87.1	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.7	87.7	88.3	88.8
≥ 800	[illegible].	8[illegible].6	85.5	87.5	88.3	88.4	88.6	88.6	88.6	88.8	88.8	88.8	88.9	88.9	89.5	9[illegible].1
≥ 700	[illegible].[illegible]	8[illegible].9	85.6	88.[illegible]	88.8	88.9	89.1	89.1	89.1	89.2	89.4	89.4	89.5	89.5	90.1	9[illegible].8
≥ 600	[illegible].	81.[illegible]	86.[illegible]	88.6	89.5	89.7	89.8	89.8	89.8	9[illegible].[illegible]	9[illegible].[illegible]	9[illegible].1	9[illegible].3	9[illegible].3	90.9	91.5
≥ 500	68.[illegible]	81.[illegible]	86.3	88.9	89.8	90.1	90.6	90.6	90.6	90.8	90.9	91.9	91.1	91.1	91.7	92.3
≥ 400	68.[illegible]	81.[illegible]	86.6	89.4	9[illegible].8	91.4	92.1	92.[illegible]	92.[illegible]	92.3	92.4	92.4	92.8	92.9	93.5	94.3
≥ 300	[illegible].[illegible]	91.2	85.9	89.7	91.1	91.7	92.6	92.6	92.6	92.8	93.1	93.1	93.5	93.7	94.3	95.1
≥ 200	68.[illegible]	81.2	86.9	89.7	91.1	91.7	92.6	92.8	92.8	92.9	93.4	93.4	94.[illegible]	94.3	95.4	97.1
≥ 100	68.[illegible]	81.2	86.9	89.7	91.1	91.7	92.6	92.8	92.8	92.9	93.4	93.4	94.3	94.6	96.[illegible]	99.1
≥ 0	68.[illegible]	81.2	86.9	89.7	91.1	91.7	92.6	92.8	92.8	92.9	93.4	93.4	94.5	94.8	96.[illegible]	100.0

TOTAL NUMBER OF OBSERVATIONS 849

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	[illegible]	26.3	26.3	26.7	26.7	26.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 18000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 16000	[illegible]	[illegible]	26.3	26.3	26.7	26.7	26.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	[illegible]	[illegible]	29.	29.2	29.6	29.6	29.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 9000	[illegible]	[illegible]	33.[illegible]	33.3	33.8	33.8	33.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 8000	[illegible]	34.3	34.4	34.7	35.2	35.2	35.3	35.5	35.5	35.6	36.4	36.4	[illegible]	[illegible]	[illegible]	[illegible]
≥ 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 6000	[illegible]	[illegible]	41.5	41.9	42.4	42.4	42.5	42.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 5000	[illegible]	[illegible]	45.6	45.9	46.4	46.4	46.5	46.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000	[illegible]	[illegible]	54.[illegible]	54.4	54.8	[illegible]	55.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000	[illegible]	[illegible]	62.9	62.8	[illegible]	63.6	63.7	63.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	[illegible]	68.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1500	[illegible]	[illegible]	74.5	77.1	77.9	77.9	78.	78.2	78.2	78.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1000	[illegible]	[illegible]	79.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 800	[illegible]	[illegible]	83.[illegible]	84.[illegible]	84.9	84.9	85.1	85.3	85.3	85.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 400	[illegible]	[illegible]	83.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	PORTLAND TAP OR	[illegible]-79	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) [illegible]-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	⅝	½	5/16	¼	0
NO CEILING	22.1	22.9	22.9	22.9	22.9	22.9	22.9	23.1	23.2	23.3	23.5	23.5	23.7	23.7	24.4	24.9
≥ 20000	23.2	24.1	24.1	24.1	24.1	24.1	24.1	24.3	24.4	24.6	24.7	24.7	25.0	25.2	26.0	26.4
≥ 18000	24.3	24.9	24.9	24.9	24.9	24.9	24.9	25.1	25.2	25.3	25.5	25.5	25.8	26.	26.7	27.2
≥ 16000	24.	24.9	24.9	24.9	24.9	24.9	24.9	25.3	25.2	25.5	25.5	25.5	25.8	26.	26.7	27.2
≥ 14000	25.8	26.7	26.7	26.7	26.7	26.7	26.7	26.9	27.0	27.2	27.3	27.3	27.6	27.8	28.6	29.0
≥ 12000	26.9	27.8	27.8	27.8	27.8	27.8	27.8	28.	28.1	28.3	28.4	28.4	28.7	28.9	29.6	30.1
≥ 10000	29.7	30.1	30.1	30.1	30.1	30.1	30.1	30.3	30.4	30.6	30.7	30.7	31.0	31.2	32.0	32.4
≥ 9000	30.6	31.5	31.8	32.0	32.0	32.0	32.0	32.1	32.3	32.4	32.6	32.6	32.9	33.0	33.8	34.3
≥ 8000	31.5	32.6	32.9	33.0	33.0	33.0	33.0	33.2	33.3	33.5	33.5	33.6	33.9	34.1	34.9	35.3
≥ 7000	34.1	35.2	35.5	35.6	35.6	35.6	35.6	35.8	35.9	36.1	36.3	36.3	36.6	36.7	37.5	37.9
≥ 6000	37.6	39.0	39.3	39.5	39.5	39.5	39.5	39.6	39.8	39.9	40.1	40.1	40.4	40.6	41.3	41.8
≥ 5000	42.3	45.0	45.5	45.6	45.6	45.6	45.6	45.8	45.9	46.1	46.2	46.2	46.5	46.7	47.5	47.9
≥ 4500	43.7	46.4	46.9	47.1	47.1	47.1	47.1	47.2	47.3	47.5	47.6	47.6	47.9	48.1	48.8	49.3
≥ 4000	49.3	52.7	53.3	53.5	53.5	53.5	53.5	53.6	53.8	53.9	54.1	54.1	54.4	54.5	55.3	55.8
≥ 3500	51.7	55.6	56.4	56.5	56.5	56.5	56.7	56.8	57.	57.1	57.3	57.3	57.6	57.8	58.5	59.1
≥ 3000	55.	59.4	60.4	61.5	61.7	61.8	61.9	62.1	61.4	61.6	61.8	61.8	62.1	62.2	63.	63.4
≥ 2500	57.8	63.6	64.5	64.8	65.1	65.1	65.3	65.4	65.7	65.9	66.1	66.1	66.4	66.5	67.3	67.7
≥ 2000	58.8	66.7	67.7	68.	68.2	68.4	68.5	68.7	69.	69.1	69.3	69.3	69.6	69.7	70.5	71.0
≥ 1800	59.4	67.4	68.5	68.8	69.1	69.1	69.3	69.4	69.7	69.9	70.1	70.1	70.4	70.5	71.3	71.7
≥ 1500	61.7	70.5	71.9	72.5	72.7	72.8	73.0	73.1	73.4	73.6	73.7	73.7	74.0	74.2	75.1	75.4
≥ 1200	64.3	74.3	75.9	77.1	77.3	77.4	77.7	77.9	78.2	78.3	78.5	78.5	78.8	79.0	79.7	80.2
≥ 1000	65.1	77.	79.	80.3	81.1	81.3	81.7	81.9	82.2	82.3	82.5	82.5	82.8	82.9	83.7	84.2
≥ 900	66.3	77.9	79.9	81.3	82.2	82.3	82.8	82.9	83.3	83.4	83.6	83.6	83.9	84.1	84.8	85.3
≥ 800	66.7	78.6	80.0	81.2	83.3	83.4	83.9	84.2	84.5	84.6	84.9	84.8	85.1	85.3	86.1	86.5
≥ 700	68.9	79.3	81.6	82.9	84.2	84.3	84.9	85.3	85.6	85.7	85.9	85.9	86.2	86.3	87.1	87.6
≥ 600	69.2	79.4	81.7	83.1	84.5	84.6	85.3	85.7	86.1	86.2	86.3	86.3	86.6	86.8	87.6	88.1
≥ 500	69.7	79.9	82.5	84.2	85.7	86.	86.6	87.2	87.4	87.6	87.7	87.7	88.1	88.2	88.9	89.6
≥ 400	69.7	79.9	82.5	84.6	86.3	86.9	87.9	88.5	88.8	89.1	89.2	89.2	89.6	89.7	90.5	91.1
≥ 300	69.7	79.9	82.6	84.8	86.8	87.9	88.9	89.6	89.9	90.3	90.6	90.6	91.0	91.9	92.6	93.2
≥ 200	69.7	79.9	82.6	84.8	86.8	87.9	88.9	89.9	90.2	90.6	91.1	91.1	92.5	92.8	95.1	96.9
≥ 100	69.7	79.9	82.6	84.8	86.8	87.9	88.9	89.9	90.2	90.6	91.1	91.1	92.6	93.1	96.8	99.7
≥ 0	69.7	79.9	82.6	84.8	86.8	87.9	88.9	89.9	90.2	90.6	91.1	91.1	92.6	93.1	96.8	100.

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: [illegible] | STATION NAME: PORTLAND IAP OR | YEARS: 73-79 | MONTH: JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST): 0900-1200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	22.4	23.7	23.8	23.8	24.1	24.1	24.3	24.3	24.3	24.6	24.7	24.7	24.7	24.7	24.7	24.9
≥ 20000	25.0	25.2	25.3	25.5	26.0	26.0	26.1	26.1	26.1	26.4	26.7	26.7	26.9	26.9	27.0	27.2
≥ 18000	25.1	25.5	25.7	25.8	26.3	26.3	26.4	26.6	26.6	26.9	27.2	27.2	27.3	27.3	27.5	27.6
≥ 16000	25.3	25.7	25.9	26.0	26.4	26.4	26.6	26.7	26.7	27.0	27.3	27.3	27.5	27.5	27.6	27.8
≥ 14000	27.2	28.6	28.7	28.9	29.3	29.3	29.5	29.6	29.6	30.1	30.4	30.4	30.6	30.6	30.7	31.0
≥ 12000	30.9	31.3	31.9	32.0	32.5	32.5	32.7	32.8	32.8	33.1	33.4	33.4	33.6	33.6	33.7	34.0
≥ 10000	32.3	32.6	32.7	32.8	33.2	33.2	33.4	33.5	33.5	33.8	34.1	34.1	34.3	34.3	34.4	34.7
≥ 9000	32.3	33.0	33.1	33.3	33.7	33.7	33.9	34.0	34.0	34.3	34.6	34.6	34.8	34.8	34.9	35.2
≥ 8000	33.7	34.6	35.0	35.2	35.6	35.6	35.8	35.9	35.9	36.4	36.7	36.7	36.9	36.9	37.0	37.3
≥ 7000	35.7	37.8	38.3	38.4	39.0	39.0	39.2	39.3	39.3	39.8	40.1	40.1	40.2	40.2	40.4	40.6
≥ 6000	38.6	40.4	41.0	41.1	41.6	41.6	41.8	41.9	41.9	42.4	42.7	42.7	42.9	42.9	43.0	43.2
≥ 5000	44.2	46.2	46.7	46.9	47.5	47.5	47.6	47.8	47.8	48.2	48.5	48.5	48.7	48.7	48.8	49.0
≥ 4500	45.9	47.9	48.4	48.5	49.2	49.2	49.3	49.5	49.5	49.9	50.2	50.2	50.4	50.4	50.5	50.7
≥ 4000	52.5	54.4	54.8	55.0	55.6	55.6	55.8	55.9	55.9	56.4	56.7	56.7	56.8	56.8	57.0	57.2
≥ 3500	53.3	57.3	57.8	57.9	58.5	58.5	58.7	58.8	58.8	59.3	59.6	59.6	59.8	59.8	59.9	60.1
≥ 3000	59.4	61.0	61.4	61.6	62.2	62.2	62.5	62.7	62.7	63.3	63.6	63.6	63.7	63.7	63.9	64.1
≥ 2500	59.0	65.6	66.1	66.2	67.0	67.0	67.3	67.4	67.4	68.1	68.4	68.4	68.5	68.5	68.7	68.8
≥ 2000	71.3	69.7	71.7	72.0	71.6	71.6	71.9	72.0	72.0	72.7	73.0	73.0	73.1	73.1	73.3	73.4
≥ 1800	72.2	72.7	73.1	73.4	73.9	73.9	74.2	74.3	74.3	74.9	75.2	75.2	75.3	75.3	75.5	75.7
≥ 1500	73.3	73.1	74.0	74.5	75.3	75.3	75.6	75.9	75.9	76.5	76.8	76.8	77.0	77.0	77.1	77.3
≥ 1200	75.3	77.1	77.9	78.8	79.9	80.2	80.6	81.0	81.1	81.7	82.0	82.0	82.2	82.2	82.3	82.5
≥ 1000	86.5	79.7	81.0	82.8	84.0	84.3	85.4	85.7	85.9	86.5	86.8	86.8	86.9	86.9	87.1	87.3
≥ 900	86.5	80.3	81.7	83.7	85.1	85.4	86.5	86.8	86.9	87.6	87.9	87.9	88.0	88.0	88.2	88.3
≥ 800	86.5	80.3	81.7	83.9	85.4	85.9	87.3	87.9	88.0	88.6	88.9	88.9	89.1	89.1	89.2	89.4
≥ 700	86.7	80.6	82.1	84.3	85.9	86.5	88.2	88.9	89.2	89.9	90.2	90.2	90.3	90.3	90.5	90.6
≥ 600	86.7	80.6	82.0	84.3	85.9	86.5	88.3	89.2	89.6	90.3	90.6	90.6	90.8	90.9	91.1	91.2
≥ 500	86.7	80.6	82.2	84.5	86.1	86.9	89.1	90.3	90.6	91.4	91.7	91.7	91.9	92.0	92.2	92.3
≥ 400	86.7	80.6	82.2	84.6	86.5	87.7	90.2	91.6	92.1	92.9	93.2	93.2	93.4	93.5	93.7	93.9
≥ 300	86.7	80.6	82.2	84.6	86.6	87.9	90.6	92.2	92.6	94.0	94.5	94.5	94.8	94.9	95.5	95.7
≥ 200	86.7	80.6	82.2	84.8	86.8	88.0	90.8	92.5	92.9	94.3	95.2	95.2	96.3	96.5	98.1	99.1
≥ 100	86.7	80.6	82.2	84.8	86.8	88.0	90.8	92.5	92.9	94.3	95.2	95.2	96.6	96.8	98.3	100.0
≥ 0	86.7	80.6	82.2	84.8	86.8	88.0	90.8	92.5	92.9	94.3	95.2	95.2	96.6	96.8	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 654

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 0-14 7 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	[illegible]	26.7	26.8	26.8	26.8	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 20000	[illegible]	[illegible]	31.5	31.5	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 18000	[illegible]	[illegible]	32.2	32.5	32.5	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 16000	[illegible]	[illegible]	32.3	32.6	32.6	32.6	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 14000	[illegible]	33.1	33.9	34.2	34.5	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 12000	34.3	36.	36.5	37.1	37.4	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 10000	[illegible]	37.5	38.	38.6	38.9	38.9	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 9000	37.2	38.9	39.4	41.0	40.3	40.3	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 8000	[illegible]	4 .6	41.1	41.7	42.7	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 7000	[illegible]	43.4	43.8	44.5	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 6000	[illegible]	46.	46.5	47.1	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 5000	[illegible]	51.4	51.3	52.5	52.9	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500	[illegible]	53.6	54.3	54.9	55.4	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 4000	3.5	57.8	58.6	59.2	59.7	59.7	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 3500	56.3	61.7	62.6	63.2	63.7	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3000	[illegible]	65.5	66.8	67.4	67.8	67.8	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2500	67.2	69.4	70.8	71.5	72.0	72.0	72.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2000	[illegible]	72.6	74.	74.8	75.2	75.2	75.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 1800	[illegible]	74.6	76.3	76.9	77.4	77.4	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1500	[illegible]	78.3	81.1	81.8	82.6	82.6	82.6	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1200	[illegible]	81.2	83.9	85.4	86.3	86.3	86.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1000	[illegible]	82.3	84.9	87.1	88.1	88.1	88.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900	[illegible]	82.8	85.5	87.8	89.1	89.2	89.5	91.6	91.9	91.9	90.9	90.9	91.9	90.9	90.9	90.9
≥ 800	[illegible]	83.1	86.2	88.6	91.1	91.3	91.6	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	[illegible]	83.2	86.3	89.1	91.6	91.4	91.7	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 600	[illegible]	83.2	86.6	89.8	91.7	92.3	92.8	93.8	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	[illegible]	83.2	86.8	9 .4	92.1	92.6	93.4	94.6	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 400	[illegible]	83.2	86.8	90.3	92.6	93.2	94.2	95.5	96.5	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	[illegible]	83.2	86.8	92.3	92.6	93.2	94.2	95.7	96.8	97.7	98.	98.	98.1	98.2	98.2	98.2
≥ 200	[illegible]	83.2	86.8	9 .3	92.6	93.2	94.2	95.7	96.9	98.3	98.8	98.8	98.8	98.9	99.1	99.8
≥ 100	[illegible]	83.2	86.8	9 .3	92.6	93.2	94.2	95.7	96.9	98.3	98.8	98.8	98.9	99.1	99.2	100.0
≥ 0	[illegible]	83.2	86.8	9 .3	92.6	93.2	94.2	95.7	96.9	98.3	98.8	98.8	98.9	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	PORTLAND IAP OR	73-79	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST): 15 7-17 C

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	27.6	28.[illegible]	28.6	28.9	28.9	28.9	29.[illegible]	29.[illegible]	29.[illegible]	29.[illegible]	29.[illegible]	29.[illegible]	29.[illegible]	29.[illegible]	29.[illegible]
≥ 20000	[illegible]	32.5	32.[illegible]	33.2	33.5	33.5	33.5	33.6	33.6	33.6	33.6	33.6	33.8	33.9	33.9	33.9
≥ 18000	[illegible]	12.7	33.[illegible]	33.6	33.9	33.9	33.9	34.1	34.1	34.1	34.1	34.1	34.3	34.4	34.4	34.4
≥ 16000	[illegible]	32.7	33.[illegible]	33.6	33.9	33.9	33.9	34.1	34.1	34.1	34.1	34.1	34.3	34.4	34.4	34.4
≥ 14000	[illegible]	33.8	34.3	34.7	35.[illegible]	35.[illegible]	35.[illegible]	35.2	35.2	35.2	35.2	35.2	35.3	35.5	35.5	35.5
≥ 12000	36.3	37.0	37.5	37.9	38.2	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.6	38.[illegible]	38.7	38.7
≥ 10000	[illegible]	39.2	39.[illegible]	40.1	40.4	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.7	40.9	40.9	40.9
≥ 9000	[illegible]	41.6	41.[illegible]	41.5	41.8	41.8	41.8	41.9	41.9	41.9	41.9	41.9	42.1	42.2	42.2	42.2
≥ 8000	[illegible]	41.9	42.[illegible]	42.9	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.5	43.6	43.6	43.6
≥ 7000	[illegible]	45.6	46.[illegible]	46.5	46.9	46.9	46.9	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.2	47.3	47.3	47.[illegible]
≥ 6000	[illegible]	48.1	48.5	49.[illegible]	49.3	49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.6	49.8	49.[illegible]	49.8
≥ 5000	[illegible]	53.5	53.[illegible]	54.4	54.7	54.8	54.8	55.[illegible]	55.[illegible]	55.[illegible]	55.[illegible]	55.[illegible]	55.[illegible]	55.3	55.3	55.3
≥ 4500	[illegible]	55.[illegible]	55.[illegible]	56.[illegible]	56.4	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.8	57.[illegible]	57.[illegible]	57.[illegible]
≥ 4000	[illegible]	59.[illegible]	59.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500	[illegible]	62.7	63.4	64.1	64.5	64.7	64.7	64.8	64.8	64.8	64.8	64.8	65.3	65.4	65.4	65.4
≥ 3000	[illegible]	64.8	65.[illegible]	66.8	67.3	67.4	67.4	67.6	67.6	67.6	67.6	67.6	68.[illegible]	68.2	68.2	68.2
≥ 2500	[illegible]	68.7	7[illegible]	71.[illegible]	71.6	72.[illegible]	72.[illegible]	72.4	72.4	72.4	72.4	72.4	72.8	73.[illegible]	73.[illegible]	73.[illegible]
≥ 2000	[illegible]	73.9	75.[illegible]	76.5	77.[illegible]	77.7	77.7	78.[illegible]	78.[illegible]	78.[illegible]	78.[illegible]	78.[illegible]	78.5	78.6	78.6	78.6
≥ 1800	[illegible]	76.6	77.[illegible]	78.5	79.[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	81.[illegible]	81.[illegible]	81.[illegible]
≥ 1500	[illegible]	78.5	81.[illegible]	82.3	83.6	84.2	84.3	84.6	84.6	84.6	84.6	84.6	85.1	85.3	85.3	85.3
≥ 1200	[illegible]	81.4	84.[illegible]	86.5	87.9	88.6	88.9	89.2	89.2	89.2	89.2	89.2	89.9	90.[illegible]	90.[illegible]	90.[illegible]
≥ 1000	[illegible]	82.9	86.[illegible]	88.5	89.[illegible]	90.8	91.[illegible]	91.4	91.4	91.6	91.6	91.6	92.2	92.3	92.3	92.3
≥ 900	[illegible]	82.9	86.[illegible]	88.8	90.[illegible]	91.1	91.7	92.2	92.2	92.3	92.3	92.3	92.9	93.1	93.1	93.1
≥ 800	[illegible]	83.1	86.5	89.7	91.[illegible]	92.[illegible]	92.6	93.2	93.2	93.4	93.4	93.4	94.[illegible]	94.2	94.2	94.2
≥ 700	[illegible]	83.1	86.5	89.9	92.[illegible]	92.8	93.5	94.3	94.3	94.5	94.5	94.5	95.1	95.2	95.2	95.2
≥ 600	[illegible]	83.1	86.5	9[illegible]	92.3	93.1	94.[illegible]	94.8	94.8	94.9	94.9	94.9	95.5	95.7	95.7	95.7
≥ 500	[illegible]	83.3	86.6	90.3	92.8	93.7	94.9	96.[illegible]	96.[illegible]	96.5	96.5	96.5	97.1	97.2	97.2	97.2
≥ 400	[illegible]	83.3	86.8	9[illegible]	93.2	94.2	95.4	96.6	96.6	97.1	97.1	97.1	97.7	97.8	97.8	97.8
≥ 300	[illegible]	83.3	86.8	9[illegible]	93.2	94.2	95.4	96.8	96.8	97.4	97.8	97.8	98.5	98.6	98.6	98.6
≥ 200	[illegible]	83.3	86.8	9[illegible]	93.2	94.2	95.4	96.8	96.8	97.7	98.3	98.3	98.9	99.1	99.1	99.7
≥ 100	[illegible]	83.3	86.8	9[illegible]	93.2	94.2	95.4	96.8	96.8	97.7	98.3	98.3	98.9	99.1	99.1	100.0
≥ 0	[illegible]	83.3	86.8	9[illegible]	93.2	94.2	95.4	96.8	96.8	97.7	98.3	98.3	98.9	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	27.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	30.0	30.0	30.0	30.0
≥ 20000	29.7	31.8	31.8	32.0	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.5	32.5	32.5	32.5
≥ 18000	29.8	32.0	32.0	32.2	32.3	32.3	32.5	32.6	32.6	32.6	32.6	32.6	32.8	32.8	32.8	32.8
≥ 16000	29.8	32.0	32.2	32.3	32.5	32.6	32.6	32.8	32.8	32.8	32.8	32.8	32.9	32.9	32.9	32.9
≥ 14000	33.1	33.2	33.2	33.4	33.5	33.5	33.7	33.8	33.8	33.8	33.8	33.8	34.0	34.0	34.0	34.0
≥ 12000	33.1	35.8	35.8	36.0	36.2	36.2	36.3	36.5	36.5	36.5	36.5	36.5	36.6	36.6	36.6	36.6
≥ 10000	35.7	38.5	38.5	38.6	38.8	38.8	38.9	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2
≥ 9000	36.9	39.7	39.7	39.8	40.0	40.0	40.2	40.3	40.3	40.3	40.3	40.3	40.5	40.5	40.5	40.5
≥ 8000	38.2	41.1	41.1	41.2	41.4	41.4	41.5	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.8	41.8
≥ 7000	40.0	42.9	42.9	43.1	43.2	43.2	43.4	43.5	43.5	43.5	43.5	43.5	43.7	43.7	43.7	43.7
≥ 6000	42.5	45.5	45.5	45.7	45.8	45.8	46.0	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3
≥ 5000	46.	49.5	49.5	49.7	49.8	49.8	50.0	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3
≥ 4500	48.5	52.6	52.6	52.8	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.4
≥ 4000	53.7	58.3	58.3	58.5	58.6	58.6	58.8	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1
≥ 3500	55.8	61.1	61.1	61.2	61.4	61.4	61.5	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8
≥ 3000	67.8	67.4	67.5	67.8	68.0	68.0	68.2	68.3	68.3	68.5	68.6	68.6	68.9	68.9	68.9	68.9
≥ 2500	63.8	71.8	72.5	72.9	73.1	73.1	73.2	73.4	73.4	73.5	73.7	73.7	74.0	74.0	74.0	74.0
≥ 2000	66.2	75.1	75.8	76.5	76.6	76.6	76.8	76.9	76.9	77.1	77.2	77.2	77.5	77.5	77.5	77.5
≥ 1800	67.5	76.9	77.7	78.3	78.5	78.5	78.6	78.8	78.8	78.9	79.1	79.1	79.4	79.4	79.4	79.4
≥ 1500	69.5	81.8	82.6	84.0	84.2	84.2	84.5	84.6	84.6	84.8	84.9	84.9	85.2	85.2	85.2	85.2
≥ 1200	7 .5	83.5	86.	87.5	88.2	88.2	88.5	88.6	88.6	88.8	88.9	88.9	89.2	89.2	89.2	89.2
≥ 1000	71.2	86.1	88.6	90.2	90.9	90.9	91.2	91.4	91.4	91.5	91.7	91.7	92.0	92.0	92.0	92.0
≥ 900	71.5	86.8	89.4	91.1	92.2	92.2	92.5	92.6	92.6	92.8	92.9	92.9	93.2	93.2	93.2	93.2
≥ 800	72.	87.5	90.3	92.5	93.8	94.2	94.5	94.6	94.6	94.8	94.9	94.9	95.2	95.2	95.2	95.2
≥ 700	72.	87.5	90.3	92.6	94.2	94.5	94.8	94.9	95.1	95.2	95.4	95.4	95.7	95.7	95.7	95.7
≥ 600	72.1	87.5	90.5	93.1	94.8	95.1	95.4	95.5	95.7	95.8	96.	96.0	96.3	96.3	96.3	96.3
≥ 500	72.2	87.8	90.8	93.7	95.5	96.0	96.6	96.8	96.9	97.1	97.2	97.2	97.5	97.5	97.5	97.5
≥ 400	72.2	87.8	90.8	93.8	95.7	96.2	96.8	96.9	97.1	97.2	97.4	97.4	97.7	97.7	97.7	97.7
≥ 300	72.2	87.8	90.8	94.0	96.2	96.6	97.2	97.5	97.7	98.2	98.3	98.3	98.6	98.6	98.6	98.6
≥ 200	72.2	87.8	90.8	94.0	96.2	96.6	97.4	97.7	97.8	98.8	99.1	99.1	99.5	99.5	99.5	99.5
≥ 100	72.2	87.8	90.8	94.0	96.2	96.6	97.4	97.7	97.8	98.8	99.1	99.1	99.5	99.5	99.5	100.0
≥ 0	72.2	87.8	90.8	94.0	96.2	96.6	97.4	97.7	97.8	98.8	99.1	99.1	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 650

3030

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.5	30.6	30.7	30.9	31.0	31.0	31.2	31.2	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.5
≥ 20000	31.6	31.6	31.8	32.0	32.1	32.1	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.6	32.6	32.7
≥ 18000	31.7	31.8	32.	32.1	32.3	32.3	32.4	32.4	32.4	32.4	32.6	32.6	32.6	32.7	32.7	32.9
≥ 16000	30.7	31.8	32.	32.1	32.3	32.3	32.4	32.4	32.4	32.4	32.6	32.6	32.6	32.7	32.7	32.9
≥ 14000	32.9	33.9	34.1	34.3	34.4	34.4	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.9	34.9	35.0
≥ 12000	35.5	36.6	36.7	36.9	37.0	37.0	37.2	37.2	37.2	37.2	37.3	37.3	37.3	37.5	37.5	37.6
≥ 10000	37.9	39.	39.7	39.3	39.5	39.5	39.6	39.6	39.6	39.6	39.8	39.8	39.8	39.9	39.9	40.1
≥ 9000	39.3	4 .4	40.6	40.7	41.9	40.9	41.0	41.0	41.0	41.0	41.2	41.2	41.2	41.3	41.3	41.5
≥ 8000	40.2	41.6	41.8	41.9	42.1	42.1	42.2	42.2	42.2	42.2	42.4	42.4	42.4	42.5	42.5	42.7
≥ 7000	42.9	44.4	44.5	44.7	44.9	44.9	45.0	45.0	45.0	45.0	45.2	45.2	45.2	45.3	45.3	45.5
≥ 6000	45.3	47.1	47.2	47.3	47.5	47.5	47.6	47.6	47.6	47.6	47.8	47.8	47.8	47.9	47.9	48.1
≥ 5000	48.8	51.2	51.3	51.5	51.6	51.6	51.8	51.8	51.8	51.8	51.9	51.9	51.9	52.1	52.1	52.2
≥ 4500	51.0	53.5	53.6	53.8	53.9	53.9	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.4	54.4	54.5
≥ 4000	54.2	57.5	57.8	57.9	58.1	58.1	58.2	58.2	58.2	58.2	58.4	58.4	58.4	58.5	58.5	58.7
≥ 3500	56.9	61.4	61.9	62.1	62.2	62.2	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.7	62.7	62.8
≥ 3000	63.4	66.4	67.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.9	67.9	67.9	68.0	68.0	68.2
≥ 2500	62.5	71.0	72.5	72.7	73.0	73.0	73.1	73.1	73.1	73.1	73.3	73.3	73.3	73.4	73.4	73.6
≥ 2000	64.8	74.3	76.5	76.8	77.1	77.1	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.6	77.6	77.7
≥ 1800	65.3	75.3	77.7	78.0	78.3	78.3	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.8	78.8	79.0
≥ 1500	66.7	78.6	81.7	82.3	82.8	82.9	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.7
≥ 1200	67.6	81.4	85.3	86.5	87.1	87.3	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.9	87.9	88.0
≥ 1000	68.0	83.6	87.6	88.8	89.6	89.9	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.5	90.5	90.6
≥ 900	68.	84.	88.3	89.6	90.3	90.6	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.2	91.2	91.4
≥ 800	68.4	84.5	89.2	91.1	92.6	92.9	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.7	93.7	93.9
≥ 700	68.4	84.6	89.7	91.7	93.2	93.5	93.9	94.0	94.0	94.0	94.2	94.2	94.2	94.3	94.3	94.5
≥ 600	68.4	84.6	89.7	91.9	93.4	93.7	94.0	94.2	94.2	94.2	94.3	94.3	94.3	94.5	94.5	94.6
≥ 500	68.4	84.8	9 .2	92.3	93.9	94.6	95.4	95.5	95.5	95.5	95.7	95.7	95.7	95.9	95.9	96.0
≥ 400	68.4	84.8	9 .2	92.3	93.9	94.9	95.7	95.9	95.9	95.9	96.2	96.2	96.2	96.3	96.3	96.5
≥ 300	68.4	85.1	90.5	92.6	94.2	95.2	96.3	96.5	96.5	96.5	96.8	96.8	96.8	96.9	96.9	97.1
≥ 200	68.4	85.1	90.5	92.6	94.2	95.2	96.3	96.6	96.6	96.6	96.9	96.9	96.9	97.1	97.2	98.0
≥ 100	68.4	85.1	90.5	92.6	94.2	95.2	96.3	96.6	96.6	96.6	96.9	96.9	97.4	97.5	98.2	99.7
≥ 0	68.4	85.1	9 .5	92.6	94.2	95.2	96.3	96.6	96.6	96.6	96.9	96.9	97.4	97.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	25.2	26.5	26.7	26.9	27.1	27.1	27.1	27.2	27.2	27.3	27.4	27.4	27.5	27.5	27.7	27.8
≥ 20000	27.2	28.7	28.9	29.1	29.4	29.4	29.4	29.5	29.5	29.6	29.8	29.8	30.0	30.1	30.2	30.4
≥ 18000	27.6	29.1	29.2	29.5	29.7	29.7	29.8	29.9	29.9	30.0	30.2	30.2	30.4	30.4	30.6	30.8
≥ 16000	27.7	29.1	29.3	29.6	29.8	29.8	29.9	30.0	30.1	30.1	30.3	30.3	30.5	30.5	30.7	30.9
≥ 14000	29.3	30.7	31.0	31.2	31.5	31.5	31.5	31.6	31.7	31.8	32.0	32.0	32.1	32.2	32.4	32.5
≥ 12000	31.3	32.9	33.1	33.4	33.6	33.6	33.7	33.8	33.8	34.0	34.1	34.1	34.3	34.4	34.6	34.7
≥ 10000	33.3	35.1	35.2	35.5	35.8	35.9	35.9	36.0	36.0	36.1	36.3	36.3	36.5	36.5	36.7	36.9
≥ 9000	34.9	36.6	36.9	37.1	37.4	37.4	37.5	37.6	37.6	37.8	37.9	37.9	38.1	38.2	38.4	38.5
≥ 8000	36.1	38.0	38.3	38.6	38.9	38.9	38.9	39.0	39.1	39.2	39.4	39.4	39.5	39.6	39.8	39.9
≥ 7000	39.1	40.9	41.3	41.5	41.9	41.9	41.9	42.0	42.1	42.2	42.4	42.4	42.5	42.6	42.8	42.9
≥ 6000	41.7	43.8	44.1	44.4	44.7	44.7	44.8	44.9	44.9	45.0	45.2	45.2	45.3	45.4	45.6	45.8
≥ 5000	46.3	48.9	49.2	49.5	49.8	49.9	49.9	50.1	50.1	50.2	50.4	50.4	50.6	50.6	50.8	51.0
≥ 4500	48.1	51.1	51.4	51.7	52.1	52.1	52.2	52.3	52.3	52.4	52.6	52.6	52.8	52.9	53.0	53.2
≥ 4000	52.6	56.3	56.7	57.1	57.4	57.4	57.5	57.7	57.7	57.8	58.0	58.0	58.2	58.2	58.4	58.6
≥ 3500	55.1	59.2	59.8	60.1	60.5	60.5	60.6	60.8	60.8	60.9	61.1	61.1	61.3	61.4	61.5	61.7
≥ 3000	58.4	63.7	64.5	64.9	65.3	65.3	65.4	65.6	65.6	65.8	66.0	66.0	66.2	66.3	66.5	66.6
≥ 2500	61.1	67.7	68.8	69.2	69.7	69.8	69.9	70.1	70.1	70.3	70.5	70.5	70.7	70.8	71.0	71.1
≥ 2000	63.1	71.1	72.4	73.1	73.5	73.7	73.8	74.0	74.0	74.2	74.3	74.3	74.6	74.7	74.9	75.0
≥ 1800	64.1	72.5	74.0	74.8	75.3	75.4	75.5	75.8	75.8	76.0	76.2	76.2	76.4	76.5	76.7	76.8
≥ 1500	65.8	75.8	77.8	79.0	79.7	79.8	80.0	80.2	80.2	80.4	80.6	80.6	80.9	81.0	81.1	81.3
≥ 1200	66.9	78.9	81.0	83.1	83.9	84.1	84.3	84.6	84.6	84.8	85.0	85.0	85.3	85.4	85.5	85.7
≥ 1000	67.7	81.0	83.8	85.7	86.6	86.9	87.2	87.5	87.6	87.7	87.9	87.9	88.2	88.3	88.5	88.7
≥ 900	67.8	81.6	84.6	86.5	87.6	87.8	88.2	88.5	88.6	88.8	89.0	89.0	89.3	89.4	89.6	89.7
≥ 800	68.0	82.1	85.2	87.4	88.7	89.1	89.5	89.9	90.0	90.1	90.3	90.3	90.6	90.7	90.9	91.1
≥ 700	68.0	82.4	85.6	88.0	89.4	89.8	90.3	90.8	90.9	91.1	91.3	91.3	91.6	91.7	91.9	92.1
≥ 600	68.1	82.5	85.9	88.5	90.0	90.4	91.0	91.5	91.6	91.9	92.1	92.1	92.4	92.5	92.7	92.8
≥ 500	68.1	82.7	86.1	89.1	90.6	91.1	92.0	92.6	92.7	93.0	93.2	93.2	93.5	93.6	93.8	94.0
≥ 400	68.1	82.7	86.2	89.3	91.0	91.7	92.7	93.4	93.6	94.0	94.2	94.3	94.6	94.7	94.9	95.1
≥ 300	68.1	82.8	86.3	89.4	91.3	92.0	93.2	93.9	94.2	94.7	95.1	95.1	95.6	95.8	96.1	96.3
≥ 200	68.1	82.8	86.3	89.4	91.3	92.1	93.3	94.1	94.4	95.1	95.7	95.7	96.4	96.6	97.5	98.5
≥ 100	68.1	82.8	86.3	89.4	91.3	92.1	93.3	94.1	94.4	95.1	95.7	95.7	96.6	96.8	98.0	99.8
≥ 0	68.1	82.8	86.3	89.4	91.3	92.1	93.3	94.1	94.4	95.1	95.7	95.7	96.6	96.8	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5208

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(00-0200 HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥⅛	≥0
NO CEILING	23.2	24.2	24.2	24.9	25.1	25.1	25.3	25.3	25.3	25.6	25.8	25.8	26.4	26.4	26.4	26.4
≥ 20000	27.4	27.5	27.5	28.2	28.3	28.3	28.5	28.5	28.5	28.8	29.	29.	29.7	29.7	29.7	29.7
≥ 18000	27.9	28.	28.	28.6	28.8	28.8	29.0	29.0	29.	29.3	29.5	29.5	30.2	30.2	30.2	30.2
≥ 16000	28.9	28.	28.	28.6	28.8	28.8	29.0	29.0	29.	29.3	29.5	29.5	30.2	30.2	30.2	30.2
≥ 14000	28.9	29.2	29.2	29.8	30.	30.	30.2	30.2	30.2	30.5	30.7	30.7	31.4	31.4	31.4	31.4
≥ 12000	32.7	33.7	33.7	34.4	34.6	34.6	34.7	34.7	34.7	35.1	35.3	35.3	35.9	35.9	35.9	35.9
≥ 10000	35.	36.1	36.1	36.8	36.9	36.9	37.1	37.1	37.1	37.5	37.6	37.6	38.3	38.3	38.3	38.3
≥ 9000	36.9	38.1	38.	39.0	39.2	39.2	39.3	39.3	39.3	39.7	39.8	39.8	4 .5	4 .5	43.5	4 .5
≥ 8000	38.6	39.8	39.8	4 .7	4 .8	4 .8	41.	41.0	41.0	41.4	41.5	41.5	42.2	42.2	42.2	42.2
≥ 7000	40.3	41.5	41.	42.7	42.9	42.9	43.1	43.1	43.1	43.4	43.6	43.6	44.2	44.2	44.2	44.2
≥ 6000	45.4	46.6	46.6	48.4	49.3	46.3	48.5	48.5	48.5	48.8	49.	49.	49.7	49.7	49.7	49.7
≥ 5000	52.	53.2	53.2	54.0	54.9	54.9	55.1	55.1	55.1	55.4	55.6	55.6	56.3	56.3	56.3	56.3
≥ 4500	54.4	56.6	56.6	58.	59.3	58.3	58.5	58.5	58.5	59.8	59.9	59.9	59.7	59.7	59.7	59.7
≥ 4000	62.3	63.6	63.6	65.1	65.6	65.6	65.8	65.9	65.9	66.3	66.4	66.4	67.1	67.1	67.1	67.1
≥ 3500	62.7	66.4	66.4	68.4	68.5	68.5	68.6	68.8	68.8	69.2	69.3	69.3	7 .0	70.1	7 .0	7 .1
≥ 3000	66.3	72.2	72.1	73.9	74.4	74.4	74.6	74.7	74.7	75.1	75.3	75.3	75.9	75.9	75.9	75.9
≥ 2500	76.6	76.1	76.1	77.8	78.5	78.5	78.6	78.8	78.8	79.2	79.3	79.5	80.0	80.0	80.3	80.3
≥ 2000	8 .0	8 .2	8 .5	82.4	83.1	83.1	83.2	83.4	83.4	83.7	83.9	83.9	84.6	84.6	84.6	84.6
≥ 1800	81.7	81.9	82.4	84.2	85.1	85.1	85.3	85.4	85.4	85.8	85.9	85.9	86.6	86.6	86.6	86.6
≥ 1500	82.7	83.9	84.7	86.6	87.8	87.8	88.0	88.3	88.3	88.6	88.8	88.8	89.5	89.5	89.5	89.5
≥ 1200	90.1	90.3	88.	9 .2	91.2	91.2	91.4	91.7	91.7	92.0	92.2	92.2	92.9	92.9	92.9	92.9
≥ 1000	94.7	88.	89.7	91.9	93.2	93.2	93.6	93.9	93.9	94.2	94.4	94.4	95.1	95.1	95.1	95.1
≥ 900	94.9	88.1	89.8	92.2	93.6	93.6	93.9	94.2	94.2	94.6	94.7	94.7	95.4	95.4	95.4	95.4
≥ 800	94.9	88.1	89.8	92.4	93.7	93.7	94.1	94.4	94.4	94.7	94.9	94.9	95.6	95.6	95.6	95.6
≥ 700	95.3	88.5	9 .2	92.7	94.1	94.1	94.4	94.7	94.7	95.1	95.3	95.3	95.9	95.9	95.9	95.9
≥ 600	95.4	88.6	9 .3	93.4	94.7	94.7	95.1	95.4	95.4	95.8	96.1	96.1	96.8	96.8	96.8	96.8
≥ 500	95.4	88.6	9 .3	93.4	94.9	95.1	95.4	95.9	95.9	96.6	96.9	96.9	97.6	97.6	97.6	97.6
≥ 400	95.4	88.6	9 .3	93.4	95.1	95.6	95.9	96.4	96.4	97.1	97.5	97.5	98.1	98.1	98.1	98.1
≥ 300	95.4	88.6	9 .3	93.4	95.3	95.9	96.3	96.8	96.8	97.5	97.8	97.8	98.5	98.5	98.5	98.5
≥ 200	95.4	88.6	9 .3	93.4	95.3	95.9	96.4	96.9	96.9	97.6	98.3	98.3	99.0	99.0	99.5	99.5
≥ 100	95.4	88.6	9 .3	93.4	95.3	95.9	96.4	96.9	96.9	97.6	98.3	98.3	99.	99.	99.5	100.0
≥ 0	95.4	88.6	9 .3	93.4	95.3	95.9	96.4	96.9	96.9	97.6	98.3	98.3	99.	99.	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 59

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	23.2	24.2	24.2	24.9	25.1	25.1	25.3	25.3	25.3	25.6	25.8	25.8	26.4	26.4	26.4	26.4
≥ 20000	26.4	27.5	27.5	28.1	28.3	28.3	28.5	28.5	28.5	28.8	29.0	29.0	29.7	29.7	29.7	29.7
≥ 18000	26.9	28.0	28.0	28.6	28.8	28.8	29.0	29.0	29.0	29.3	29.5	29.5	30.2	30.2	30.2	30.2
≥ 16000	26.9	28.0	28.0	28.6	28.8	28.8	29.0	29.0	29.0	29.3	29.5	29.5	30.2	30.2	30.2	30.2
≥ 14000	28.1	29.2	29.2	29.8	30.0	30.0	30.2	30.2	30.2	30.5	30.7	30.7	31.4	31.4	31.4	31.4
≥ 12000	32.7	33.7	33.7	34.4	34.6	34.6	34.7	34.7	34.7	35.1	35.3	35.3	35.9	35.9	35.9	35.9
≥ 10000	35.1	36.3	36.1	36.8	36.9	36.9	37.1	37.1	37.1	37.5	37.6	37.6	38.3	38.3	38.3	38.3
≥ 9000	36.9	38.1	38.1	39.0	39.2	39.2	39.3	39.3	39.3	39.7	39.8	39.8	40.5	40.5	40.5	40.5
≥ 8000	38.6	39.8	39.8	41.7	41.8	41.8	41.7	41.0	41.0	41.4	41.5	41.5	42.2	42.2	42.2	42.2
≥ 7000	40.3	41.5	41.5	42.7	42.9	42.9	43.1	43.1	43.1	43.4	43.6	43.6	44.2	44.2	44.2	44.2
≥ 6000	45.4	46.6	46.6	48.0	48.3	48.3	48.5	48.5	48.5	48.8	49.0	49.0	49.7	49.7	49.7	49.7
≥ 5000	51.1	53.2	53.2	54.6	54.9	54.9	55.1	55.1	55.1	55.4	55.6	55.6	56.3	56.3	56.3	56.3
≥ 4500	54.4	56.6	56.6	58.1	58.3	58.3	58.5	58.5	58.5	58.8	59.0	59.0	59.7	59.7	59.7	59.7
≥ 4000	60.3	63.6	63.6	65.1	65.6	65.6	65.8	65.9	65.9	66.3	66.4	66.4	67.1	67.1	67.1	67.1
≥ 3500	62.7	66.4	66.4	68.0	68.5	68.5	68.6	68.8	68.8	69.2	69.3	69.3	70.0	70.0	70.0	70.0
≥ 3000	66.8	72.2	72.2	73.9	74.4	74.4	74.6	74.7	74.7	75.1	75.3	75.3	75.9	75.9	75.9	75.9
≥ 2500	68.6	76.1	76.3	77.8	78.5	78.5	78.6	78.8	78.8	79.2	79.3	79.3	80.0	80.0	80.0	80.0
≥ 2000	70.8	81.2	81.5	82.4	83.1	83.1	83.2	83.4	83.4	83.7	83.9	83.9	84.6	84.6	84.6	84.6
≥ 1800	71.7	81.9	82.4	84.2	85.1	85.1	85.3	85.4	85.4	85.8	85.9	85.9	86.6	86.6	86.6	86.6
≥ 1500	72.7	83.9	84.7	86.8	87.8	87.8	88.0	88.3	88.3	88.6	88.8	88.8	89.5	89.5	89.5	89.5
≥ 1200	74.1	86.3	88.1	90.2	91.2	91.2	91.4	91.7	91.7	92.0	92.2	92.2	92.9	92.9	92.9	92.9
≥ 1000	74.7	88.1	89.7	91.9	93.2	93.2	93.6	93.9	93.9	94.2	94.4	94.4	95.1	95.1	95.1	95.1
≥ 900	74.9	88.1	89.8	92.2	93.6	93.6	93.9	94.2	94.2	94.6	94.7	94.7	95.4	95.4	95.4	95.4
≥ 800	74.9	88.1	89.8	92.4	93.7	93.7	94.1	94.4	94.4	94.7	94.9	94.9	95.6	95.6	95.6	95.6
≥ 700	75.3	88.5	90.2	92.7	94.1	94.1	94.4	94.7	94.7	95.1	95.3	95.3	95.9	95.9	95.9	95.9
≥ 600	75.4	88.6	90.3	93.4	94.7	94.7	95.1	95.4	95.4	95.8	96.1	96.1	96.8	96.8	96.8	96.8
≥ 500	75.4	88.6	90.3	93.4	94.9	95.1	95.4	95.9	95.9	96.6	96.9	96.9	97.6	97.6	97.6	97.6
≥ 400	75.4	88.6	90.3	93.4	95.1	95.6	95.9	96.4	96.4	97.1	97.5	97.5	98.1	98.1	98.1	98.1
≥ 300	75.4	88.6	90.3	93.4	95.3	95.9	96.3	96.8	96.8	97.5	97.8	97.8	98.5	98.5	98.5	98.5
≥ 200	75.4	88.6	90.3	93.4	95.3	95.9	96.4	96.9	96.9	97.6	98.3	98.3	99.0	99.0	99.5	99.5
≥ 100	75.4	88.6	90.3	93.4	95.3	95.9	96.4	96.9	96.9	97.6	98.3	98.3	99.0	99.0	99.5	100.0
≥ 0	75.4	88.6	90.3	93.4	95.3	95.9	96.4	96.9	96.9	97.6	98.3	98.3	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 592

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	14.1	14.9	14.9	15.3	15.3	15.3	15.4	15.4	15.4	15.4	15.4	15.4	15.8	15.8	15.9	16.6
≥ 20000	16.9	17.8	17.8	18.1	18.1	18.1	18.3	18.3	18.3	18.3	18.3	18.3	18.6	18.6	19.1	19.7
≥ 18000	17.5	18.3	18.3	18.6	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.8	19.3	19.3	19.7	20.3
≥ 16000	17.5	18.3	18.3	18.6	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.8	19.3	19.3	19.7	20.3
≥ 14000	19.1	19.8	19.8	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.8	20.8	21.2	21.9
≥ 12000	23.9	23.2	23.2	23.6	23.6	23.6	23.9	23.9	23.9	23.9	23.9	23.9	24.4	24.4	24.7	25.6
≥ 10000	23.1	24.4	24.4	24.7	24.7	24.7	25.1	25.1	25.1	25.1	25.1	25.1	25.6	25.6	25.9	26.8
≥ 9000	24.7	26.3	26.3	26.6	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	27.3	27.3	27.6	28.5
≥ 8000	28.3	27.8	27.8	28.1	28.1	28.1	28.5	28.5	28.5	28.5	28.5	28.5	29.0	29.0	29.3	30.2
≥ 7000	32.2	32.7	32.7	33.1	33.2	33.2	33.6	33.6	33.6	33.6	33.6	33.6	34.1	34.1	34.4	35.3
≥ 6000	36.6	38.3	38.3	38.6	38.8	38.8	39.2	39.2	39.2	39.2	39.2	39.2	39.7	39.7	40.0	40.8
≥ 5000	43.6	45.4	45.4	45.8	46.1	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.9	46.9	47.3	48.1
≥ 4500	46.6	48.5	48.5	48.8	49.3	49.3	49.7	49.7	49.7	49.7	49.7	49.7	50.2	50.2	50.5	51.4
≥ 4000	50.5	52.7	53.1	53.9	54.4	54.4	54.7	54.7	54.7	54.9	54.9	54.9	55.4	55.4	55.8	56.6
≥ 3500	53.4	56.3	56.8	57.6	58.1	58.1	58.5	58.5	58.5	58.6	58.6	58.6	59.2	59.2	59.5	60.3
≥ 3000	58.	61.7	62.2	63.1	63.6	63.6	63.9	63.9	63.9	64.1	64.1	64.1	64.6	64.6	64.9	65.8
≥ 2500	60.8	66.1	66.8	67.8	68.3	68.3	68.6	68.6	68.6	68.8	68.8	68.8	69.3	69.3	69.7	70.5
≥ 2000	63.2	69.7	70.5	71.5	72.0	72.0	72.4	72.4	72.4	72.5	72.5	72.5	73.1	73.1	73.4	74.2
≥ 1800	64.6	71.5	72.5	73.7	74.4	74.4	74.7	74.7	74.7	74.9	74.9	74.9	75.4	75.4	75.8	76.6
≥ 1500	67.3	75.1	76.1	77.5	78.1	78.1	78.5	78.5	78.5	78.6	78.6	78.6	79.2	79.2	79.5	80.3
≥ 1200	70.1	79.5	80.5	82.2	83.4	83.4	83.7	83.7	83.9	84.1	84.1	84.1	84.7	84.9	85.3	86.1
≥ 1000	70.7	81.5	82.5	84.2	85.4	85.4	85.9	85.9	86.1	86.3	86.3	86.3	86.9	87.1	87.5	88.3
≥ 900	71.7	81.7	82.9	84.6	86.1	86.1	86.6	86.6	86.8	86.9	86.9	86.9	87.6	87.8	88.1	89.1
≥ 800	71.7	82.1	83.3	84.9	86.4	86.4	86.9	87.1	87.3	87.5	87.5	87.5	88.1	88.3	88.6	89.5
≥ 700	73.8	82.7	83.9	85.6	87.6	87.6	88.5	89.1	89.2	89.3	89.3	89.3	90.0	90.2	90.5	91.4
≥ 600	73.8	82.9	84.2	86.1	88.1	88.1	89.2	89.8	90.0	90.2	90.2	90.2	90.8	91.0	91.4	92.2
≥ 500	74.0	83.1	84.6	86.4	88.6	88.6	89.7	90.3	90.5	90.7	90.8	90.8	91.5	91.7	92.0	92.9
≥ 400	74.0	83.1	84.7	86.6	88.8	88.8	89.8	90.5	90.7	90.8	91.0	91.0	91.7	91.9	92.2	93.1
≥ 300	74.0	83.2	84.9	87.1	89.5	89.5	90.7	91.5	91.7	92.2	92.5	92.5	93.2	93.4	93.9	94.9
≥ 200	74.0	83.2	84.9	87.1	89.5	89.5	90.7	91.7	91.9	92.5	93.1	93.1	94.1	94.2	95.8	97.6
≥ 100	74.0	83.2	84.9	87.1	89.5	89.5	90.7	91.7	91.9	92.5	93.1	93.1	94.1	94.4	96.4	99.7
≥ 0	74.0	83.2	84.9	87.1	89.5	89.5	90.7	91.7	91.9	92.5	93.1	93.1	94.1	94.4	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 592

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	15.3	15.4	16.6	16.6	16.9	16.9	16.9	16.9	16.9	17.3	17.4	17.4	17.4	17.4	17.6	17.9
≥ 20000	21.0	22.2	22.3	22.3	22.7	22.7	22.7	22.7	22.7	23.0	23.2	23.2	23.4	23.4	23.5	24.0
≥ 18000	21.3	22.7	22.8	22.8	23.2	23.2	23.2	23.2	23.2	23.5	23.7	23.7	23.9	23.9	24.0	24.5
≥ 16000	21.3	22.7	22.8	22.8	23.2	23.2	23.2	23.2	23.2	23.5	23.7	23.7	23.9	23.9	24.0	24.5
≥ 14000	23.8	24.6	24.7	24.7	24.5	24.5	24.5	24.5	24.5	24.9	25.0	25.0	25.2	25.2	25.4	25.9
≥ 12000	25.7	27.4	27.4	27.4	27.7	27.7	27.9	27.9	27.9	28.4	28.6	28.6	28.8	28.8	28.9	29.4
≥ 10000	27.6	29.0	29.4	29.4	29.8	29.8	29.9	29.9	29.9	30.5	30.6	30.6	30.8	30.8	31.0	31.5
≥ 9000	29.4	31.0	31.3	31.3	31.6	31.6	31.8	31.8	31.8	32.3	32.5	32.5	32.7	32.7	32.8	33.3
≥ 8000	31.1	31.6	32.0	32.0	32.3	32.3	32.5	32.5	32.5	33.0	33.2	33.2	33.3	33.3	33.5	34.0
≥ 7000	33.0	34.5	34.9	34.9	35.2	35.2	35.4	35.4	35.4	35.9	36.0	36.0	36.2	36.2	36.4	36.9
≥ 6000	38.2	39.9	40.3	40.3	40.8	40.8	40.9	40.9	40.9	41.5	41.6	41.6	41.8	41.8	42.0	42.5
≥ 5000	43.1	45.5	45.9	45.9	46.4	46.4	46.5	46.5	46.5	47.1	47.2	47.2	47.4	47.4	47.5	48.1
≥ 4500	46.4	48.9	49.2	49.2	49.7	49.7	49.9	49.9	49.9	50.4	50.6	50.6	50.8	50.8	50.9	51.4
≥ 4000	52.3	53.3	53.6	53.6	54.1	54.1	54.3	54.3	54.3	54.8	55.0	55.0	55.2	55.2	55.3	55.8
≥ 3500	54.7	57.9	58.4	58.5	59.1	59.1	59.2	59.4	59.4	59.9	60.1	60.1	60.2	60.2	60.4	60.9
≥ 3000	60.1	63.8	64.6	65.0	65.5	65.5	65.8	66.0	66.0	66.5	66.7	66.7	66.8	66.8	67.0	67.5
≥ 2500	64.6	68.9	69.7	70.1	70.6	70.6	70.9	71.1	71.1	71.6	71.7	71.7	71.9	71.9	72.1	72.6
≥ 2000	67.2	72.1	73.0	73.9	74.5	74.5	74.8	75.0	75.0	75.5	75.6	75.6	75.8	75.8	76.0	76.5
≥ 1800	68.6	73.1	74.5	75.1	75.6	75.6	76.0	76.3	76.3	76.8	77.0	77.0	77.2	77.2	77.3	77.8
≥ 1500	70.1	77.0	78.3	79.2	79.7	79.7	80.0	80.4	80.4	80.9	81.0	81.0	81.2	81.2	81.4	81.9
≥ 1200	73.6	81.0	82.6	84.3	84.8	84.8	85.1	85.4	85.4	86.0	86.1	86.1	86.3	86.3	86.5	87.0
≥ 1000	74.5	82.4	83.9	86.0	86.5	86.5	87.1	87.6	87.6	88.2	88.5	88.5	88.7	88.7	88.8	89.3
≥ 900	74.5	83.2	84.8	86.8	87.6	87.6	88.3	88.8	88.8	89.3	89.7	89.7	89.8	89.8	90.0	90.5
≥ 800	74.5	83.6	85.3	87.3	88.2	88.2	88.8	89.3	89.3	89.8	90.2	90.2	90.4	90.4	90.5	91.0
≥ 700	74.5	83.8	85.8	87.8	88.7	88.7	89.5	90.0	90.2	90.9	91.2	91.2	91.4	91.4	91.5	92.0
≥ 600	74.5	83.8	85.8	88.0	88.8	88.8	89.8	90.5	90.7	91.4	91.7	91.7	91.9	91.9	92.2	92.7
≥ 500	74.5	83.9	86.0	88.7	89.5	89.5	90.7	91.4	91.5	92.4	92.7	92.7	92.9	92.9	93.2	93.7
≥ 400	74.5	83.9	86.1	88.7	89.5	89.5	90.9	91.5	92.2	93.1	93.4	93.4	93.6	93.6	93.9	94.4
≥ 300	74.5	83.9	86.1	88.7	89.5	89.5	90.9	91.5	92.2	94.1	95.4	95.4	95.8	95.8	96.1	96.6
≥ 200	74.5	83.9	86.1	88.7	89.5	89.5	90.9	91.7	92.4	94.6	96.3	96.3	97.3	97.3	98.0	99.0
≥ 100	74.5	83.9	86.1	88.7	89.5	89.5	90.9	91.7	92.4	94.6	96.3	96.3	97.5	97.5	98.1	99.7
≥ 0	74.5	83.9	86.1	88.7	89.5	89.5	90.9	91.7	92.4	94.6	96.3	96.3	97.5	97.5	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 591

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1210-1400 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	18.1	19.2	19.1	19.5	19.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
≥ 20000	23.3	24.5	24.5	24.9	25.0	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 18000	23.9	24.9	24.9	25.2	25.4	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
≥ 16000	24.4	25.4	25.4	25.7	25.9	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 14000	27.4	28.1	28.1	28.4	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 12000	31.9	32.5	32.5	32.8	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 10000	33.3	34.3	34.3	34.7	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 9000	34.3	35.4	35.4	35.7	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 8000	35.5	36.7	36.7	37.1	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 7000	37.4	38.6	38.6	38.9	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 6000	40.4	42.1	42.1	42.5	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 5000	46.2	47.5	47.5	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 4500	48.7	51.6	51.6	51.9	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4000	54.3	58.0	58.2	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 3500	58.3	62.9	63.1	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1
≥ 3000	64.6	69.5	69.7	70.2	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 2500	7 .4	76.	76.1	76.6	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	74.1	80.4	8 .5	81.4	81.6	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1800	75.5	82.4	82.7	83.8	84.1	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500	79.4	87.6	88.2	89.5	89.8	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200	8 .5	89.	9 .7	91.4	91.7	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1000	92.9	9 ..	91.4	92.7	93.2	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 900	9 .6	9 .5	92.7	93.7	94.4	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	9 .8	9 .5	92.9	93.9	94.6	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 700	9 .8	9 .7	92.9	94.1	94.8	95.3	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 600	9 .8	9 .7	92.9	94.1	94.8	95.3	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 500	9 .8	91.3	92.7	94.4	95.1	95.6	96.4	96.4	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	9 .8	91.0	92.7	94.4	95.1	95.8	96.6	96.8	96.8	97.6	97.8	97.8	97.8	97.8	97.8	97.8
≥ 300	91.8	91.	92.7	94.4	95.1	95.8	96.6	97.0	97.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	91.8	91.	92.7	94.4	95.1	95.8	96.6	97.1	97.1	98.8	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	91.8	91.8	92.7	94.4	95.1	95.8	96.6	97.1	97.1	98.8	99.5	99.5	99.5	99.5	99.5	100.0
≥ 0	91.8	91.8	92.7	94.4	95.1	95.8	96.6	97.1	97.1	98.8	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 591

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	27.2	28.2	28.9	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.4	29.4
≥ 20000	28.1	29.3	29.9	30.1	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.5	30.5
≥ 18000	28.4	29.6	30.3	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.8	30.8
≥ 16000	28.4	29.6	30.3	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.8	30.8
≥ 14000	29.9	31.3	31.8	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.3	32.3
≥ 12000	32.1	33.5	34.0	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.5	34.5
≥ 10000	36.4	37.6	38.2	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.7	38.7
≥ 9000	38.4	39.6	40.3	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.8
≥ 8000	39.8	40.9	41.6	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.1	42.1
≥ 7000	43.7	44.8	45.5	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.1	46.1
≥ 6000	46.0	47.2	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.4
≥ 5000	52.5	54.1	54.8	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3
≥ 4500	54.8	56.9	57.5	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0
≥ 4000	61.7	64.0	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1
≥ 3500	66.0	70.2	70.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.4
≥ 3000	71.6	76.1	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.5
≥ 2500	76.8	82.6	83.6	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3
≥ 2000	79.4	86.3	87.5	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5
≥ 1800	79.9	87.5	88.7	89.2	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.0	90.0
≥ 1500	82.4	90.7	91.9	92.7	93.2	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.9	93.9
≥ 1200	83.8	92.4	94.1	94.9	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.1
≥ 1000	83.9	92.7	94.8	95.8	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1
≥ 900	83.9	92.9	94.9	96.3	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.8
≥ 800	83.9	92.9	95.1	96.6	97.5	97.8	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.5	98.5
≥ 700	83.9	92.9	95.1	96.6	97.5	98.0	98.1	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.8	98.8
≥ 600	83.9	92.9	95.1	96.6	97.5	98.0	98.3	98.5	98.5	98.5	98.8	98.8	98.8	98.8	99.0	99.0
≥ 500	83.9	92.9	95.1	96.6	97.5	98.0	98.3	98.5	98.5	98.8	99.2	99.2	99.2	99.2	99.3	99.3
≥ 400	83.9	92.9	95.1	96.8	97.6	98.1	98.5	98.6	98.6	99.0	99.3	99.3	99.3	99.3	99.5	99.5
≥ 300	83.9	92.9	95.1	96.8	97.6	98.1	98.5	98.6	98.6	99.0	99.3	99.3	99.3	99.3	99.5	99.5
≥ 200	83.9	92.9	95.1	96.8	97.6	98.1	98.5	98.6	98.6	99.0	99.3	99.3	99.3	99.3	99.7	99.7
≥ 100	83.9	92.9	95.1	96.8	97.6	98.1	98.5	98.6	98.6	99.0	99.3	99.3	99.3	99.3	99.7	100.0
≥ 0	83.9	92.9	95.1	96.8	97.6	98.1	98.5	98.6	98.6	99.0	99.3	99.3	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 591

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

..29 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	27.5	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	28.2
≥ 20000	3 .6	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.7
≥ 18000	3 .6	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.7
≥ 16000	30.7	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.9
≥ 14000	33.3	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.5
≥ 12000	34.5	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.7
≥ 10000	37.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.9
≥ 9000	38.9	40.2	40.2	4 .2	40.2	40.2	4 .2	40.2	4 .2	40.2	40.2	40.2	40.2	40.2	40.2	40.6
≥ 8000	40.2	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.1
≥ 7000	42.6	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	44.3	44.7
≥ 6000	48.	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1	50.1	50.4
≥ 5000	55.3	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.1	58.1	58.1	58.4
≥ 4500	56.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.3	60.3	60.3	60.6
≥ 4000	63.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.9	67.9	67.9	68.3
≥ 3500	67.9	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	73.2
≥ 3000	73.5	80.1	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	81.0
≥ 2500	77.6	85.6	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.4	86.4	86.8
≥ 2000	79.3	87.4	87.9	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	89.0
≥ 1800	79.8	88.6	89.3	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.0	90.0	90.3
≥ 1500	87.5	9 .5	91.9	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.7	92.7	93.0
≥ 1200	89.8	91.7	93.2	93.5	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.6
≥ 1000	91.5	92.7	94.6	95.6	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.8
≥ 900	91.5	92.7	94.6	95.8	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	97.1
≥ 800	91.5	92.9	94.7	95.9	96.3	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	97.3
≥ 700	91.5	93.4	95.4	96.6	96.9	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	98.0
≥ 600	91.7	93.5	95.6	96.8	97.3	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.5
≥ 500	91.7	93.5	95.6	96.9	97.5	97.6	98.1	98.1	98.1	98.3	98.3	98.3	98.5	98.5	98.5	98.8
≥ 400	91.7	93.5	95.6	97.3	97.8	98.1	98.6	98.6	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.3
≥ 300	91.7	93.5	95.6	97.3	97.8	98.1	98.6	98.6	98.6	98.8	99.	99.0	99.2	99.2	99.2	99.5
≥ 200	91.7	93.5	95.6	97.3	97.8	98.1	98.6	98.6	98.6	98.8	99.	99.0	99.2	99.2	99.2	99.5
≥ 100	91.7	93.5	95.6	97.3	97.8	98.1	98.6	98.6	98.6	98.8	99.0	99.0	99.2	99.2	99.2	99.5
≥ 0	91.7	93.5	95.6	97.3	97.8	98.1	98.6	98.6	98.6	98.8	99.0	99.0	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 589

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 29 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2359 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 20000	30.5	31.1	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 18000	30.8	31.3	31.6	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 16000	30.8	31.3	31.6	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 14000	32.1	32.7	33.0	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 12000	35.5	36.0	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 10000	37.7	38.2	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 9000	40.4	40.9	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 8000	41.3	42.1	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 7000	44.3	45.2	45.7	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
≥ 6000	48.2	49.6	50.1	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 5000	53.3	55.0	55.5	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 4500	56.3	58.4	59.1	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
≥ 4000	64.6	68.0	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 3500	67.2	71.7	72.4	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	72.8	78.2	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	75.0	81.6	82.2	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2000	77.5	85.1	86.0	86.6	86.8	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1800	78.2	86.0	87.2	87.8	88.1	88.3	88.3	88.3	88.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500	79.1	88.2	89.3	90.5	90.7	90.7	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1200	79.9	91.0	92.0	93.2	93.4	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	82.2	91.2	93.4	94.8	94.9	94.9	94.9	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	83.4	91.5	94.1	95.4	95.6	95.6	95.6	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 800	83.5	91.9	94.8	96.3	96.6	96.8	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	83.9	92.2	95.3	96.8	97.1	97.3	97.5	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	83.7	92.6	95.8	97.3	97.6	97.8	98.0	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	83.7	92.6	95.8	97.3	97.6	97.8	98.1	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	83.7	92.6	95.8	97.3	97.6	98.3	98.6	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	83.7	92.6	95.8	97.3	97.8	98.5	98.8	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	83.7	92.6	95.8	97.3	97.8	98.5	98.8	99.0	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	83.7	92.6	95.8	97.3	97.8	98.5	98.8	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.7
0	83.7	92.6	95.8	97.3	97.8	98.5	98.8	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 591

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 22 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible].2	22.[illegible]	22.3	22.4	22.6	22.6	22.7	22.7	22.7	22.8	22.8	22.8	23.0	23.0	23.1	23.3
≥ 20000	[illegible].9	25.8	26.0	26.2	26.4	26.4	26.4	26.4	26.5	26.5	26.6	26.6	26.8	26.8	26.9	27.2
≥ 18000	25.2	26.[illegible]	26.4	26.6	26.7	26.7	26.8	26.8	26.8	26.9	27.0	27.0	27.2	27.2	27.3	27.6
≥ 16000	25.3	26.3	26.5	26.7	26.8	26.8	26.9	26.9	26.9	27.0	27.1	27.1	27.2	27.2	27.4	27.6
≥ 14000	27.0	27.9	28.[illegible]	28.3	28.5	28.5	28.6	28.6	28.6	28.7	28.7	28.7	28.9	28.9	29.1	29.3
≥ 12000	30.1	31.2	31.4	31.5	31.7	31.7	31.8	31.8	31.8	31.9	32.0	32.[illegible]	32.2	32.2	32.4	32.6
≥ 10000	32.6	33.7	33.9	34.1	34.3	34.3	34.4	34.4	34.4	34.5	34.6	34.6	34.8	34.8	34.9	35.2
≥ 9000	34.4	35.5	35.8	36.[illegible]	36.1	36.1	36.2	36.2	36.3	36.4	36.5	36.5	36.6	36.6	36.8	37.[illegible]
≥ 8000	35.6	36.9	37.1	37.3	37.4	37.5	37.6	37.6	37.6	37.7	37.8	37.8	38.0	38.0	38.1	38.4
≥ 7000	36.5	39.8	40.1	40.3	40.5	40.5	40.6	40.6	40.6	40.7	40.8	40.8	41.0	41.0	41.2	41.4
≥ 6000	42.3	44.3	44.5	44.9	45.1	45.1	45.2	45.2	45.3	45.4	45.4	45.4	45.6	45.6	45.8	46.1
≥ 5000	49.[illegible]	51.[illegible]	51.3	51.7	51.9	51.9	52.1	52.1	52.1	52.2	52.3	52.3	52.5	52.5	52.6	52.9
≥ 4500	53.9	54.3	54.5	55.[illegible]	55.2	55.2	55.4	55.4	55.4	55.5	55.6	55.6	55.8	55.8	55.9	56.2
≥ 4000	57.6	58.9	61.3	61.8	62.1	62.1	62.2	62.3	62.3	62.4	62.5	62.5	62.7	62.7	62.9	63.1
≥ 3500	61.1	65.1	65.5	66.1	66.4	66.4	66.5	66.6	66.6	66.7	66.8	66.8	67.0	67.0	67.2	67.4
≥ 3000	56.1	71.[illegible]	71.5	72.2	72.5	72.5	72.7	72.7	72.7	72.8	72.9	72.9	73.1	73.1	73.3	73.6
≥ 2500	69.7	75.9	76.5	77.2	77.5	77.6	77.7	77.8	77.8	77.9	78.0	78.0	78.2	78.2	78.4	78.6
≥ 2000	72.2	79.6	80.3	81.2	81.6	81.7	81.8	81.9	81.9	82.[illegible]	82.1	82.1	82.3	82.3	82.5	82.7
≥ 1800	73.1	81.0	81.9	82.8	83.3	83.4	83.5	83.6	83.6	83.7	83.8	83.8	84.0	84.0	84.2	84.5
≥ 1500	75.1	84.1	85.2	86.4	86.9	87.0	87.2	87.3	87.3	87.4	87.5	87.5	87.7	87.7	87.9	88.2
≥ 1200	76.8	86.7	88.3	89.7	9[illegible].2	9[illegible].4	90.6	91.6	91.7	90.8	90.9	90.9	91.2	91.2	91.3	91.6
≥ 1000	77.4	88.3	89.6	91.3	91.9	92.1	92.4	92.5	92.5	92.7	92.8	92.8	93.0	93.0	93.2	93.5
≥ 900	77.5	88.4	90.2	91.9	92.7	92.8	93.2	93.3	93.3	93.5	93.6	93.6	93.8	93.8	94.0	94.3
≥ 800	77.6	88.7	9[illegible].5	92.3	93.2	93.3	93.7	93.8	93.9	94.0	94.2	94.2	94.4	94.4	94.6	94.8
≥ 700	77.6	89.[illegible]	91.9	92.7	93.6	93.9	94.3	94.5	94.6	94.8	94.9	94.9	95.2	95.2	95.4	95.6
≥ 600	77.7	89.1	91.1	93.[illegible]	93.9	94.2	94.7	94.9	95.[illegible]	95.2	95.4	95.4	95.6	95.6	95.8	96.1
≥ 500	77.7	89.2	91.2	93.2	94.3	94.5	95.2	95.4	95.5	95.9	96.1	96.1	96.4	96.4	96.6	96.8
≥ 400	77.7	89.2	91.2	93.3	94.4	94.8	95.4	95.7	95.9	96.4	96.6	96.6	96.8	96.9	97.1	97.3
≥ 300	77.7	89.2	91.3	93.4	94.5	95.[illegible]	95.6	96.0	96.1	96.8	97.3	97.3	97.6	97.6	97.8	98.1
≥ 200	77.7	89.2	91.3	93.4	94.5	95.[illegible]	95.7	96.1	96.2	97.[illegible]	97.7	97.7	98.1	98.1	98.[illegible]	99.1
≥ 100	77.7	89.2	91.3	93.4	94.5	95.[illegible]	95.7	96.1	96.2	97.[illegible]	97.7	97.7	98.1	98.2	98.8	99.8
≥ 0	77.7	89.2	91.[illegible]	93.4	94.5	95.0	95.7	96.1	96.2	97.0	97.7	97.7	98.1	98.2	98.8	[illegible]0.[illegible]

TOTAL NUMBER OF OBSERVATIONS 4724

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	31.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 20000	33.6	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 18000	33.8	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 16000	34.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 14000	35.7	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 12000	36.9	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 10000	38.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 9000	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 8000	41.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 7000	45.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 6000	51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 5000	59.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 4500	64.1	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4000	71.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	75.3	78.1	78.2	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3000	81.3	84.0	84.3	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	83.6	87.9	88.2	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2000	85.3	90.6	90.9	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	86.5	93.1	93.7	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	88.2	96.1	96.6	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	88.8	96.9	97.7	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	89.1	97.4	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	89.1	97.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	89.2	97.7	98.6	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	89.1	97.7	98.6	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	89.4	98.1	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	89.1	98.1	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	89.1	98.1	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	89.1	98.1	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	89.1	98.1	98.9	99.5	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	89.1	98.1	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	89.1	98.1	98.9	99.5	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

/ 2 / STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAR MONTH

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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	28.4	29.8	30.6	30.9	30.9	30.9	30.9	30.9	30.9	30.9	31.	31.0	31.2	31.2	31.6	31.8
≥ 20000	29.3	31.	31.8	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.3	32.3	32.4	32.4	32.9	33.0
≥ 18000	29.5	31.2	32.	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.6	32.6	33.0	33.2
≥ 16000	29.3	31.5	32.3	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.7	32.7	32.9	32.9	33.3	33.5
≥ 14000	30.3	32.0	32.7	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.2	33.2	33.3	33.3	33.8	33.9
≥ 12000	31.8	33.5	34.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.7	34.7	34.9	34.9	35.3	35.5
≥ 10000	33.5	35.2	35.9	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.4	36.4	36.6	36.6	37.0	37.2
≥ 9000	34.7	36.4	37.2	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.6	37.6	37.8	37.8	38.2	38.4
≥ 8000	35.6	37.3	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.6	38.6	38.7	38.7	39.2	39.3
≥ 7000	38.2	39.9	4 .7	41.4	41.0	41.0	41.0	41.0	41.0	41.0	41.2	41.2	41.3	41.3	41.8	41.9
≥ 6000	41.8	44.1	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.5	45.5	45.9	46.1
≥ 5000	51.8	54.1	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.5	55.5	55.6	55.6	56.1	56.2
≥ 4500	55.6	58.7	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.4	60.4	60.8	61.0
≥ 4000	62.7	67.3	68.	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.3	69.3	69.7	69.9
≥ 3500	67.	72.5	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.5	74.5	75.0	75.1
≥ 3000	72.5	79.3	81.	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.9	81.9	82.3	82.5
≥ 2500	78.2	83.4	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.2	86.2	86.6	86.8
≥ 2000	78.2	85.6	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.6	88.6	89.1	89.2
≥ 1800	79.3	87.7	89.9	9 .5	9 .5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.8	90.8	91.2	91.4
≥ 1500	81.3	91.1	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.5	94.5	94.9	95.1
≥ 1200	81.9	93.2	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.8	96.8	97.2	97.4
≥ 1000	82.3	94.2	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.7	97.8	97.8	98.3	98.5
≥ 900	82.3	94.6	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.5	98.5	98.9	99.1
≥ 800	82.3	94.6	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.5	98.5	98.9	99.1
≥ 700	82.3	94.6	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.6	98.6	99.1	99.2
≥ 600	82.3	94.8	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.8	98.8	99.2	99.4
≥ 500	82.3	94.8	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.8	98.8	99.2	99.4
≥ 400	82.3	94.8	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.9	98.9	99.4	99.5
≥ 300	82.3	94.8	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.6	98.6	99.1	99.1	99.5	99.7
≥ 200	82.3	94.8	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.6	98.6	99.1	99.1	99.5	100.1
≥ 100	82.3	94.8	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.6	98.6	99.1	99.1	99.5	100.1
0	82.3	94.8	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.6	98.6	99.1	99.	99.5	100.1

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] PORTLAND IAP OR 73-79 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[redacted]-0600
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	22.	23.4	23.8	24.6	24.9	24.9	25.2	25.4	25.5	25.7	25.8	25.8	26.0	26.1	26.9	27.5
≥ 20000	24.2	25.5	26.	26.9	27.2	27.2	27.5	27.7	27.8	28.0	28.2	28.2	28.3	28.3	29.2	30.5
≥ 18000	24.2	25.7	26.2	27.1	27.4	27.4	27.7	27.8	28.0	28.2	28.3	28.3	28.5	28.5	29.4	30.6
≥ 16000	24.2	25.7	26.2	27.1	27.4	27.4	27.7	27.8	28.0	28.2	28.3	28.3	28.5	28.5	29.4	30.6
≥ 14000	24.6	26.2	26.6	27.5	27.8	27.8	28.2	28.3	28.5	28.6	28.8	28.8	28.9	28.9	29.8	31.1
≥ 12000	26.5	28.0	28.5	29.4	29.7	29.7	30.0	30.2	30.3	30.5	30.6	30.6	30.8	30.8	31.7	32.9
≥ 10000	28.1	29.7	30.2	31.1	31.4	31.4	31.7	31.8	32.0	32.2	32.3	32.3	32.5	32.5	33.4	34.6
≥ 9000	28.6	30.3	30.8	31.7	32.0	32.0	32.3	32.5	32.6	32.8	32.9	32.9	33.1	33.1	34.2	35.4
≥ 8000	29.4	31.2	31.7	32.6	32.9	32.9	33.2	33.4	33.5	33.7	33.8	33.8	34.0	34.0	35.1	36.3
≥ 7000	31.1	33.7	34.2	35.1	35.4	35.4	35.7	35.8	36.0	36.2	36.3	36.3	36.5	36.5	37.5	38.8
≥ 6000	35.7	38.1	38.5	39.4	39.7	39.7	40.0	40.2	40.3	40.5	40.6	40.6	40.8	40.8	41.8	43.1
≥ 5000	41.1	43.7	44.2	45.1	45.4	45.4	45.7	45.8	46.0	46.2	46.3	46.3	46.5	46.5	47.5	48.8
≥ 4500	44.6	48.1	48.6	49.5	49.8	49.8	50.2	50.3	50.5	50.6	50.8	50.8	50.9	50.9	52.0	53.2
≥ 4000	51.7	55.8	56.6	57.5	57.8	57.8	58.2	58.5	58.6	58.8	58.9	58.9	59.1	59.1	60.2	61.4
≥ 3500	57.7	62.6	63.4	64.3	64.6	64.6	64.9	65.2	65.4	65.5	65.7	65.7	65.8	65.8	66.9	68.2
≥ 3000	66.2	72.1	72.8	73.7	74.0	74.0	74.3	74.6	74.8	74.9	75.1	75.1	75.2	75.2	76.3	77.5
≥ 2500	68.8	76.5	77.2	78.3	78.8	78.8	79.1	79.4	79.5	79.7	79.8	79.8	80.0	80.0	81.1	82.3
≥ 2000	72.1	79.4	81.2	81.2	81.7	81.7	82.1	82.3	82.5	82.6	82.8	82.8	82.9	82.9	84.0	85.2
≥ 1800	73.4	79.8	80.6	81.7	82.2	82.2	82.5	82.8	82.9	83.1	83.2	83.2	83.4	83.4	84.5	85.7
≥ 1500	73.6	82.0	82.8	83.8	84.3	84.3	84.6	84.9	85.1	85.2	85.4	85.4	85.5	85.5	86.6	87.8
≥ 1200	74.9	84.8	85.8	87.1	87.5	87.5	87.8	88.2	88.3	88.5	88.6	88.6	88.8	88.8	89.8	91.1
≥ 1000	75.8	86.2	87.2	88.6	89.2	89.2	89.5	89.8	90.0	90.2	90.3	90.3	90.5	90.5	91.7	92.9
≥ 900	76.3	87.7	88.8	90.3	90.9	90.9	91.2	91.5	91.7	92.0	92.2	92.2	92.3	92.3	93.5	94.8
≥ 800	76.5	88.0	89.5	91.2	91.8	91.8	92.5	92.8	92.9	93.2	93.4	93.4	93.5	93.5	94.8	96.0
≥ 700	76.5	88.0	89.7	91.4	92.1	92.1	92.6	92.9	93.1	93.4	93.5	93.5	93.7	93.7	94.9	96.2
≥ 600	76.5	88.0	89.8	91.7	92.3	92.3	92.9	93.2	93.4	93.7	93.8	93.8	94.0	94.0	95.2	96.5
≥ 500	76.5	88.0	90.1	91.8	92.5	92.5	93.2	93.5	93.7	94.1	94.2	94.2	94.3	94.3	95.5	96.9
≥ 400	76.5	88.0	90.3	92.3	92.9	93.1	93.8	94.2	94.3	94.6	94.8	94.8	94.9	94.9	96.3	97.8
≥ 300	76.5	88.0	90.3	92.3	92.9	93.1	93.8	94.5	94.6	94.9	95.1	95.1	95.4	95.4	96.8	98.3
≥ 200	76.5	88.0	90.3	92.3	92.9	93.1	93.8	94.5	94.6	94.9	95.1	95.1	95.5	95.5	97.2	99.4
≥ 100	76.5	88.0	90.3	92.3	92.9	93.1	93.8	94.5	94.6	94.9	95.1	95.1	95.5	95.5	97.2	99.8
0	76.5	88.0	90.3	92.3	92.9	93.1	93.8	94.5	94.6	94.9	95.1	95.1	95.5	95.5	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 65[illegible]

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

5037

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1200 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	27.5	27.8	28.3	28.9	28.9	29.2	29.2	29.2	29.2	29.6	29.6	29.8	29.8	29.8	29.8
≥ 20000	27.5	31.	31.3	31.8	32.4	32.6	32.9	32.9	32.9	32.9	33.3	33.3	33.5	33.5	33.5	33.5
≥ 18000	27.5	31.	31.3	31.8	32.4	32.6	32.9	32.9	32.9	32.9	33.3	33.3	33.5	33.5	33.5	33.5
≥ 16000	27.5	31.	31.3	31.8	32.4	32.6	32.9	32.9	32.9	32.9	33.3	33.3	33.5	33.5	33.5	33.5
≥ 14000	28.1	31.6	32.	32.4	33.0	33.2	33.5	33.5	33.5	33.5	33.9	33.9	34.1	34.1	34.1	34.1
≥ 12000	29.8	33.3	33.6	34.1	34.7	34.9	35.2	35.2	35.2	35.2	35.6	35.6	35.8	35.8	35.8	35.8
≥ 10000	31.3	35.0	35.3	35.8	36.4	36.6	36.9	36.9	36.9	36.9	37.3	37.3	37.5	37.5	37.5	37.5
≥ 9000	32.0	35.6	35.9	36.4	37.0	37.2	37.5	37.5	37.5	37.5	37.9	37.9	38.1	38.1	38.1	38.1
≥ 8000	33.3	37.1	37.3	37.8	38.4	38.6	38.9	38.9	38.9	38.9	39.3	39.3	39.5	39.5	39.5	39.5
≥ 7000	34.6	38.4	38.9	39.3	39.9	40.1	40.4	40.4	40.4	40.4	40.9	40.9	41.1	41.1	41.1	41.1
≥ 6000	38.8	42.4	42.9	43.3	43.9	44.1	44.4	44.4	44.4	44.4	44.9	44.9	45.0	45.0	45.0	45.0
≥ 5000	44.9	49.2	49.6	50.1	50.7	50.8	51.2	51.2	51.2	51.2	51.6	51.6	51.8	51.8	51.8	51.8
≥ 4500	46.4	51.2	51.2	51.6	52.2	52.4	52.7	52.7	52.7	52.7	53.1	53.1	53.3	53.3	53.3	53.3
≥ 4000	52.5	57.1	57.6	58.1	58.7	58.8	59.1	59.1	59.1	59.1	59.6	59.6	59.8	59.8	59.8	59.8
≥ 3500	58.4	63.3	63.7	64.2	64.8	65.1	65.3	65.3	65.3	65.3	65.7	65.7	65.9	65.9	65.9	65.9
≥ 3000	67.6	73.4	74.1	74.7	75.3	75.4	75.7	75.7	75.7	75.7	76.2	76.2	76.3	76.3	76.3	76.3
≥ 2500	70.5	77.4	78.2	78.8	79.4	79.7	80.0	80.0	80.0	80.0	80.5	80.5	80.6	80.6	80.6	80.6
≥ 2000	73.4	82.0	82.9	83.7	84.3	84.6	84.9	84.9	84.9	84.9	85.4	85.4	85.6	85.6	85.6	85.6
≥ 1800	75.0	84.0	84.9	85.7	86.3	86.6	86.9	86.9	86.9	86.9	87.4	87.4	87.6	87.6	87.6	87.6
≥ 1500	77.0	86.8	87.9	88.6	89.4	89.7	90.0	90.0	90.0	90.0	90.5	90.5	90.6	90.6	90.6	90.6
≥ 1200	79.4	90.8	92.0	92.8	93.5	93.9	94.2	94.2	94.2	94.2	94.6	94.6	94.8	94.8	94.8	94.8
≥ 1000	79.9	92.2	93.5	94.3	95.2	95.5	96.2	96.2	96.2	96.2	96.6	96.6	96.8	96.8	96.8	96.8
≥ 900	79.9	92.3	93.7	94.5	95.5	95.9	96.5	96.5	96.5	96.6	97.1	97.1	97.2	97.2	97.2	97.2
≥ 800	79.9	92.3	93.7	94.8	95.9	96.2	96.8	96.8	96.8	96.9	97.4	97.4	97.5	97.5	97.5	97.5
≥ 700	79.9	92.2	93.9	95.1	96.3	96.6	97.4	97.5	97.5	97.7	98.2	98.2	98.3	98.3	98.3	98.3
≥ 600	79.9	92.2	94.	95.4	96.6	96.9	97.7	97.8	97.8	98.0	98.5	98.5	98.6	98.6	98.6	98.6
≥ 500	79.9	92.2	94.	95.5	96.8	97.2	98.0	98.2	98.2	98.3	98.8	98.8	98.9	98.9	98.9	98.9
≥ 400	79.9	92.2	94.0	95.7	96.9	97.4	98.3	98.5	98.5	98.8	99.2	99.2	99.4	99.4	99.5	99.5
≥ 300	79.9	92.2	94.0	95.7	96.9	97.4	98.3	98.5	98.5	98.8	99.2	99.2	99.5	99.5	99.7	99.8
≥ 200	79.9	92.2	94.0	95.7	96.9	97.4	98.3	98.5	98.5	98.8	99.2	99.2	99.7	99.7	99.8	100.0
≥ 100	79.9	92.2	94.0	95.7	96.9	97.4	98.3	98.5	98.5	98.8	99.2	99.2	99.7	99.7	99.8	100.0
≥ 0	79.9	92.2	94.0	95.7	96.9	97.4	98.3	98.5	98.5	98.8	99.2	99.2	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 20000	33.9	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 18000	34.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000	34.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 14000	34.9	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 12000	37.5	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 10000	39.6	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 9000	40.2	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 8000	41.8	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 7000	42.7	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 6000	46.6	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 5000	51.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 4500	55.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4000	62.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 3500	69.	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	79.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	82.9	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 2000	85.	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	87.4	93.5	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	88.2	95.2	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	89.2	97.5	98.	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	89.6	97.8	98.5	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	89.6	97.8	98.5	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	89.8	97.8	98.5	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	89.6	97.8	98.5	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	89.6	97.8	98.5	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	89.8	97.8	98.5	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	89.6	97.8	98.5	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	89.6	97.8	98.5	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	89.6	97.8	98.5	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	89.6	97.8	98.5	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	89.6	97.8	98.5	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 . 2 2 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 20000	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 18000	38.2	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 16000	38.7	39.	39.	39.	39.	39.	39.	39.	39.	39.	39.	39.	39.	39.	39.	39.
≥ 14000	41.	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 12000	43.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 10000	48.	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 9000	49.5	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 8000	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	53.	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	64.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4500	67.4	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4000	74.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500	80.3	82.	82.	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000	85.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2500	88.	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	90.8	94.9	95.	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	91.2	95.4	95.5	95.9	96.0	96.0	96.0	96.0	96.	96.	96.	96.	96.0	96.	96.0	96.0
≥ 1500	92.2	97.7	98.	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	92.5	98.6	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	92.5	98.5	99.	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	92.5	98.5	99.2	99.7	1 .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.	100.0	100.0
≥ 800	92.5	98.5	99.3	99.7	1 .	100.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	92.5	98.5	99.2	99.7	1 .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 600	92.5	98.5	99.2	99.7	1 .	100.0	100.0	100.0	100.	100.0	100.	100.0	100.0	100.0	100.0	100.0
≥ 500	92.5	98.5	99.	99.7	10 .0	100.0	100.0	100.0	100.	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 400	92.5	98.5	99.2	99.7	00.0	100.0	10 .0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.2
≥ 300	92.5	98.5	99.2	99.7	100.0	100.0	100.0	100.0	100.	100.0	100.	100.0	100.0	100.0	100.0	100.
≥ 200	92.5	98.5	99.	99.7	100.0	100.0	100.0	100.0	100.0	100.0	1 0.	100.0	100.0	100.0	100.0	100.
≥ 100	92.5	98.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.5	98.5	99.2	99.7	1 .0	100.0	100.0	100.0	100.0	100.0	100.3	100.0	100.0	100.0	100.4	100.

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] PORTLAND IAP OR 73-79 MAR
STATION STATION NAME YEARS 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.1	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 20000	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 18000	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 16000	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 14000	39.3	4 .1	40.2	40.2	4 .2	40.2	40.2	40.2	40.2	4 .2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 12000	41.5	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 10000	44.5	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 9000	46.4	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 8000	48.7	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	49.5	49.5
≥ 7000	52.7	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	5 .1	6 .8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 5000	66.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4500	71.9	73.	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	77.3	79.6	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	82.	84.9	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3000	86.9	90.6	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2500	88.8	93.4	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	90.3	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	90.8	96.0	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	91.6	97.2	97.7	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	92.	97.8	98.3	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	92.3	98.2	98.6	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	92.3	98.2	98.6	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	92.3	98.2	98.6	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	92.3	98.2	98.6	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	92.3	98.2	98.6	99.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.3	98.2	98.6	99.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.3	98.2	98.6	99.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.3	98.2	98.6	99.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.3	98.2	98.6	99.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.3	98.2	98.6	99.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	92.3	98.2	98.6	99.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 551

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] / STATION — PORTLAND IAP OR / STATION NAME — 73-79 / YEARS — MAR / MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	37.8	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000	39.8	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 18000	39.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 16000	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	40.6
≥ 14000	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 12000	42.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 10000	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 9000	46.2	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 8000	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 7000	50.9	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	52.4	52.4
≥ 6000	56.5	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	57.0
≥ 5000	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 4500	69.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	77.6	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	81.1	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3000	85.1	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2500	88.3	91.7	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	88.6	92.0	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	89.2	94.0	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	90.0	95.9	96.8	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	90.9	97.5	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	90.9	97.7	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	90.9	97.7	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	90.9	97.7	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	90.9	97.8	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	90.9	98.0	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	90.9	98.0	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	90.9	98.1	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.9	98.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.9	98.2	99.2	99.8	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	90.9	98.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.9	96.2	99.2	99.8	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] PORTLAND IAP OR 73-79 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	31.1	31.2	31.4	31.6	31.6	31.6	31.6	31.7	31.7	31.8	31.8	31.8	31.8	32.1	32.1
≥ 20000	33.1	34.5	34.7	34.9	35.1	35.1	35.1	35.1	35.1	35.2	35.3	35.3	35.3	35.3	35.5	35.7
≥ 18000	33.3	34.6	34.8	35.0	35.2	35.2	35.3	35.3	35.3	35.3	35.4	35.4	35.5	35.5	35.6	35.8
≥ 16000	33.4	34.8	35.[illegible]	35.2	35.3	35.3	35.4	35.4	35.5	35.5	35.6	35.6	35.6	35.6	35.8	36.[illegible]
≥ 14000	34.3	35.7	35.9	36.1	36.2	36.2	36.3	36.3	36.3	36.4	36.5	36.5	36.5	36.5	36.7	36.9
≥ 12000	36.2	37.6	37.8	38.[illegible]	38.1	38.1	38.2	38.2	38.3	38.3	38.4	38.4	38.4	38.4	38.6	38.8
≥ 10000	38.5	40.[illegible]	40.2	40.4	40.5	40.5	40.6	40.6	40.7	40.7	40.8	40.8	40.8	40.8	41.0	41.2
≥ 9000	39.8	41.2	41.4	41.7	41.8	41.8	41.9	41.9	41.9	41.9	42.0	42.0	42.1	42.1	42.3	42.4
≥ 8000	41.2	42.7	42.9	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.4	43.4	43.5	43.5	43.7	43.9
≥ 7000	43.8	45.3	45.6	45.8	45.9	45.9	46.0	46.0	46.0	46.1	46.2	46.1	46.2	46.2	46.4	46.6
≥ 6000	48.5	50.[illegible]	51.[illegible]	51.7	51.[illegible]	51.8	51.9	51.9	51.9	50.9	51.0	51.0	51.1	51.1	51.3	51.4
≥ 5000	56.[illegible]	57.9	58.2	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.8	58.8	59.0	59.2
≥ 4500	59.3	61.[illegible]	61.8	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5	62.7	62.8
≥ 4000	66.3	69.2	69.5	69.8	69.9	69.9	70.[illegible]	70.1	70.1	70.1	70.2	70.2	70.3	70.3	70.4	70.6
≥ 3500	71.3	74.7	75.[illegible]	75.4	75.6	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.9	75.9	76.1	76.3
≥ 3000	77.9	82.1	82.7	83.0	83.2	83.2	83.3	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.7	83.9
≥ 2500	81.9	86.[illegible]	86.8	87.2	87.4	87.4	87.5	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.9	88.1
≥ 2000	82.9	89.0	89.7	90.[illegible]	90.4	90.4	90.5	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.9	91.1
≥ 1800	83.8	9[illegible].9	91.2	91.6	92.0	92.0	92.1	92.2	92.2	92.2	92.3	92.3	92.4	92.4	92.5	92.7
≥ 1500	85.[illegible]	92.7	93.6	94.2	94.5	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.9	94.9	95.1	95.2
≥ 1200	86.3	94.6	95.7	96.4	96.6	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.1	97.1	97.3	97.4
≥ 1000	86.5	95.3	96.4	97.1	97.4	97.5	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8	98.1	98.2
≥ 900	86.6	95.5	96.7	97.4	97.8	97.9	98.1	98.1	98.1	98.2	98.3	98.3	98.4	98.4	98.6	98.8
≥ 800	86.6	95.6	96.8	97.6	98.0	98.1	98.3	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.8	99.[illegible]
≥ 700	86.6	95.6	96.9	97.7	98.1	98.2	98.4	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.9	99.1
≥ 600	86.6	95.7	97.0	97.9	98.3	98.4	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9	99.1	99.3
≥ 500	86.6	95.7	97.0	97.9	98.3	98.4	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.1	99.2	99.4
≥ 400	86.6	95.7	97.1	98.0	98.4	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.4	99.6
≥ 300	86.6	95.7	97.1	98.0	98.4	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.3	99.3	99.5	99.7
≥ 200	86.6	95.7	97.1	98.0	98.4	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.3	99.3	99.6	99.9
≥ 100	86.6	95.7	97.1	98.0	98.4	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.3	99.3	99.6	100.[illegible]
≥ 0	86.6	95.7	97.1	98.0	98.4	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.3	99.3	99.6	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 5217

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] / STATION — PORTLAND IAP OR / STATION NAME — 73-79 / YEARS — APR / MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 / HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.[illegible]	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.9	38.9	38.9	39.1	39.[illegible]	39.[illegible]	39.[illegible]
≥ 20000	4[illegible]	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.6	41.6	41.6	41.7	41.7	41.7	41.7
≥ 18000	41.[illegible]	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.6	41.6	41.6	41.7	41.7	41.7	41.7
≥ 16000	41.[illegible]	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.9	41.9	41.9	41.9
≥ 14000	41.7	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.5	42.5	42.5	42.7	42.7	42.7	42.7
≥ 12000	43.[illegible]	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.8	44.0	44.[illegible]	44.0	44.0
≥ 10000	45.7	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.5	46.5	46.7	46.7	46.7	46.7
≥ 9000	48.[illegible]	48.9	48.9	49.[illegible]	49.0	49.0	49.[illegible]	49.[illegible]	49.[illegible]	49.2	49.2	49.2	49.4	49.4	49.4	49.4
≥ 8000	49.7	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.7	49.7	49.7	49.8	49.8	49.8	49.8
≥ 7000	51.6	5[illegible].2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.7	52.7	52.7	52.7
≥ 6000	56.[illegible]	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.7	59.7	59.7	59.8	59.8	59.8	59.8
≥ 5000	[illegible]3.7	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.9	65.9	65.9	65.9
≥ 4500	67.6	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	70.0	70.0	70.0	70.0
≥ 4000	74.[illegible]	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.7	76.7	76.8	76.8	76.8	76.8
≥ 3500	78.4	8[illegible].5	8[illegible].5	8[illegible].6	8[illegible].6	8[illegible].6	8[illegible].6	8[illegible].6	8[illegible].6	8[illegible].8	8[illegible].8	80.8	81.0	81.0	81.0	81.0
≥ 3000	86.5	89.[illegible]	89.[illegible]	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.5	89.5	89.5	89.5
≥ 2500	89.7	93.5	93.[illegible]	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	94.0	94.[illegible]	94.0	94.0
≥ 2000	91.1	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.5	96.5	96.5	96.5
≥ 1800	92.[illegible]	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 1500	92.1	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.3
≥ 1200	92.2	97.9	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]
≥ 1000	92.2	97.9	98.3	98.7	98.9	98.9	98.9	98.9	98.9	99.[illegible]	99.[illegible]	99.[illegible]	99.2	99.2	99.2	99.2
≥ 900	92.2	97.9	98.4	98.9	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	99.2	99.2	99.2	99.4	99.4	99.4	99.4
≥ 800	92.2	97.9	98.4	98.9	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	99.2	99.2	99.2	99.4	99.4	99.4	99.4
≥ 700	92.2	97.9	98.4	99.[illegible]	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 600	92.2	97.9	98.4	99.[illegible]	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 500	92.2	97.9	98.4	99.[illegible]	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 400	92.2	97.9	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7
≥ 300	92.2	97.9	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7
≥ 200	92.2	97.9	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7
≥ 100	92.2	97.9	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8
≥ 0	92.4	98.1	98.6	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]-1501 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.9	33.7	33.7	34.3	34.3	34.3	34.5	34.5	34.5	34.7	34.8	34.8	35.0	35.0	35.1	35.1
≥ 20000	34.5	35.3	35.3	35.6	35.9	35.9	36.1	36.1	36.1	36.2	36.4	36.4	36.6	36.6	36.7	36.7
≥ 18000	34.5	35.3	35.3	35.6	35.9	35.9	36.1	36.1	36.1	36.2	36.4	36.4	36.6	36.6	36.7	36.7
≥ 16000	34.5	35.3	35.3	35.6	35.9	35.9	36.1	36.1	36.1	36.2	36.4	36.4	36.6	36.6	36.7	36.7
≥ 14000	35.3	36.6	36.6	36.9	37.2	37.2	37.4	37.4	37.4	37.5	37.7	37.7	37.8	37.8	38.0	38.0
≥ 12000	37.5	38.3	38.3	38.6	39.0	39.0	39.1	39.1	39.1	39.3	39.4	39.4	39.6	39.6	39.7	39.7
≥ 10000	39.1	40.2	40.2	40.5	40.9	41.0	41.0	41.0	41.0	41.2	41.3	41.3	41.5	41.5	41.7	41.7
≥ 9000	40.7	41.8	41.8	42.1	42.4	42.4	42.6	42.6	42.6	42.8	42.9	42.9	43.1	43.1	43.2	43.2
≥ 8000	42.3	43.4	43.4	43.7	44.0	44.0	44.2	44.2	44.2	44.4	44.5	44.5	44.7	44.7	44.8	44.8
≥ 7000	44.4	45.8	45.8	46.1	46.4	46.4	46.6	46.6	46.6	46.7	46.9	46.9	47.1	47.1	47.2	47.2
≥ 6000	49.6	51.4	51.4	51.7	52.0	52.0	52.1	52.1	52.1	52.3	52.5	52.5	52.6	52.6	52.8	52.8
≥ 5000	55.3	57.6	57.6	58.2	58.5	58.5	58.7	58.7	58.7	58.8	59.0	59.0	59.1	59.1	59.3	59.3
≥ 4500	61.4	63.6	63.6	64.2	64.5	64.5	64.7	64.7	64.7	64.9	65.0	65.0	65.2	65.2	65.3	65.3
≥ 4000	66.0	69.5	69.5	70.1	70.4	70.4	70.6	70.6	70.6	70.7	70.9	70.9	71.1	71.1	71.2	71.2
≥ 3500	73.4	77.4	77.4	78.1	78.4	78.4	78.5	78.5	78.5	78.7	78.9	78.9	79.0	79.0	79.2	79.2
≥ 3000	78.4	83.0	83.0	83.6	83.9	83.9	84.1	84.1	84.1	84.3	84.4	84.4	84.6	84.6	84.7	84.7
≥ 2500	82.2	87.6	87.8	88.4	88.7	88.7	88.9	88.9	88.9	89.1	89.2	89.2	89.3	89.3	89.5	89.5
≥ 2000	83.1	89.2	89.5	90.1	90.5	90.5	90.6	90.6	90.6	90.8	90.9	90.9	91.1	91.1	91.3	91.3
≥ 1800	83.8	90.3	90.6	91.4	91.7	91.7	91.9	91.9	91.9	92.1	92.2	92.2	92.4	92.4	92.5	92.5
≥ 1500	85.1	92.4	92.7	93.5	93.8	93.8	94.0	94.0	94.0	94.1	94.3	94.3	94.4	94.4	94.6	94.6
≥ 1200	85.9	93.5	93.8	94.8	95.1	95.1	95.2	95.2	95.2	95.4	95.5	95.5	95.7	95.7	95.9	95.9
≥ 1000	86.1	94.3	94.6	95.5	95.9	95.9	96.1	96.0	96.0	96.2	96.3	96.3	96.5	96.5	96.7	96.7
≥ 900	86.1	94.3	94.9	95.9	96.3	96.3	96.5	96.5	96.5	96.7	96.8	96.8	97.0	97.0	97.1	97.1
≥ 800	86.1	94.3	94.9	95.9	96.3	96.3	96.5	96.5	96.5	96.7	96.9	96.8	97.0	97.1	97.1	97.1
≥ 700	86.1	94.3	94.9	96.1	96.5	96.5	96.7	96.7	96.7	96.8	97.0	97.0	97.1	97.1	97.3	97.3
≥ 600	86.1	94.3	94.9	96.2	96.8	96.8	97.0	97.0	97.0	97.1	97.3	97.3	97.5	97.5	97.6	97.6
≥ 500	86.2	94.4	95.1	96.3	97.0	97.0	97.3	97.3	97.3	97.5	97.6	97.6	97.9	97.9	98.3	98.4
≥ 400	86.3	94.6	95.2	96.7	97.3	97.3	97.6	97.6	97.6	97.8	97.9	97.9	98.3	98.3	98.6	98.7
≥ 300	86.3	94.8	95.4	96.8	97.5	97.5	97.8	97.8	97.8	98.1	98.3	98.3	98.7	98.7	99.2	99.4
≥ 200	86.3	94.8	95.4	96.8	97.5	97.5	97.8	97.8	97.8	98.1	98.4	98.4	98.9	98.9	99.4	99.5
≥ 100	86.3	94.8	95.4	96.8	97.5	97.5	97.9	97.9	97.9	98.3	98.6	98.6	99.0	99.0	99.5	99.8
≥ 0	86.3	94.8	95.4	96.8	97.5	97.5	97.9	97.9	97.9	98.3	98.6	98.6	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: [illegible] PORTLAND IAP OR — STATION NAME: PORTLAND IAP OR — YEARS: 73-79 — MONTH: APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST): 1600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	25.1	26.8	27.5	28.4	28.7	28.7	28.9	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.7	30.0
≥ 20000	29.	31.3	32.2	33.2	33.5	33.5	33.7	34.1	34.1	34.3	34.4	34.4	34.4	34.4	34.6	34.9
≥ 18000	29.	31.3	32.2	33.2	33.5	33.5	33.7	34.1	34.1	34.3	34.4	34.4	34.4	34.4	34.6	34.9
≥ 16000	29.	31.3	32.2	33.2	33.5	33.5	33.7	34.1	34.1	34.3	34.4	34.4	34.4	34.4	34.6	34.9
≥ 14000	29.8	32.1	33.	34.1	34.3	34.3	34.4	34.9	34.9	35.1	35.2	35.2	35.2	35.2	35.4	35.7
≥ 12000	30.8	32.9	33.8	34.8	35.1	35.1	35.2	35.7	35.7	35.9	36.	36.1	36.0	36.0	36.2	36.5
≥ 10000	31.9	34.3	35.2	36.2	36.5	36.5	36.7	37.1	37.1	37.3	37.5	37.5	37.5	37.5	37.6	37.9
≥ 9000	32.9	35.2	36.2	37.2	37.5	37.5	37.6	38.1	38.1	38.3	38.4	38.4	38.4	38.4	38.6	38.9
≥ 8000	34.6	37.0	37.9	38.9	39.2	39.2	39.4	39.8	39.8	40.0	40.2	40.2	40.2	40.2	40.3	40.6
≥ 7000	37.8	40.6	41.6	42.5	42.9	42.9	43.0	43.5	43.5	43.7	43.8	43.8	43.8	43.8	44.0	44.3
≥ 6000	43.5	45.9	46.8	47.8	48.1	48.1	48.3	48.7	48.7	48.9	49.1	49.1	49.0	49.1	49.2	49.5
≥ 5000	48.9	52.9	53.8	54.8	55.1	55.1	55.2	55.7	55.7	55.9	56.0	56.0	56.0	56.1	56.2	56.5
≥ 4500	52.4	56.8	57.8	58.7	59.0	59.0	59.2	59.7	59.7	59.8	60.0	60.0	60.0	60.0	60.2	60.5
≥ 4000	59.5	64.1	65.1	66.	66.3	66.3	66.5	67.0	67.0	67.1	67.3	67.3	67.3	67.3	67.5	67.8
≥ 3500	62.4	67.1	68.1	69.	69.4	69.4	69.5	70.0	70.0	70.2	70.3	70.3	70.3	70.3	70.5	70.8
≥ 3000	69.	74.	74.9	75.9	76.2	76.2	76.3	76.8	76.8	77.	77.1	77.1	77.1	77.1	77.3	77.6
≥ 2500	78.3	80.0	81.	81.9	82.2	82.2	82.4	82.9	82.9	83.	83.2	83.2	83.2	83.2	83.3	83.7
≥ 2000	78.	83.0	84.3	85.4	86.	86.	86.2	86.7	86.7	86.8	87.	87.	87.0	87.1	87.1	87.5
≥ 1800	7.5	84.6	86.	87.1	87.8	87.8	87.9	88.4	88.4	88.6	88.7	88.7	88.7	88.7	88.9	89.2
≥ 1500	79.6	85.9	87.5	88.6	89.2	89.2	89.4	89.8	89.8	9 .	90.2	90.2	9 .2	90.2	90.3	9 .6
≥ 1200	79.8	88.9	90.	91.1	91.9	91.9	92.1	92.5	92.5	92.7	92.9	92.9	92.9	92.9	93.	93.3
≥ 1000	79.8	89.4	91.	92.2	93.0	93.0	93.2	93.7	93.7	93.8	94.	94.	94.	94.	94.1	94.4
≥ 900	79.8	89.7	91.4	92.7	93.5	93.	93.7	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.6	94.9
≥ 800	8 .2	9 .	91.9	93.3	94.1	94.1	94.3	94.8	94.8	94.9	95.1	95.1	95.1	95.1	95.2	95.6
≥ 700	8 .3	9 .5	92.4	93.8	94.6	94.6	94.8	95.2	95.2	95.4	95.6	95.6	95.6	95.6	95.7	96.0
≥ 600	8 .3	9 .5	92.5	94.	94.8	94.8	94.9	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.9	96.2
≥ 500	90.3	90.5	92.5	94.1	94.9	95.1	95.4	95.9	95.9	96.	96.2	96.2	96.2	96.2	96.3	96.7
≥ 400	90.3	90.5	92.5	94.1	94.9	95.2	95.6	96.	96.	96.2	96.3	96.3	96.3	96.3	97.0	97.5
≥ 300	90.5	90.5	92.5	94.1	94.9	95.2	96.	96.5	96.5	96.8	97.1	97.1	97.5	97.5	98.4	98.9
≥ 200	90.5	90.5	92.5	94.1	94.9	95.2	96.3	96.8	96.8	97.1	97.6	97.6	98.3	98.3	99.2	100.0
≥ 100	90.5	90.5	92.5	94.1	94.9	95.2	96.3	96.8	96.8	97.1	97.6	97.6	98.3	98.3	99.2	100.0
≥ 0	9 .3	9 .5	92.5	94.1	94.9	95.2	96.3	96.8	96.8	97.1	97.6	97.6	98.3	98.3	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 631

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

.22 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0930-1130 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	25.6	28.7	29.2	30.3	30.5	30.5	30.8	30.8	30.8	31.0	31.0	31.0	31.0	31.	31.2	31.2
≥ 20000	29.7	33.	33.7	34.4	34.9	34.9	35.2	35.2	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 18000	29.8	33.2	33.8	34.6	35.1	35.1	35.4	35.4	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 16000	29.8	33.2	33.8	34.6	35.1	35.1	35.4	35.4	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 14000	30.6	34.	34.6	35.4	35.9	35.9	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 12000	32.4	35.7	36.3	37.1	37.6	37.6	37.9	37.9	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 10000	34.2	37.6	38.3	39.0	39.5	39.5	39.8	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 9000	34.4	37.9	38.6	39.4	39.8	39.8	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 8000	36.3	39.7	40.3	41.1	41.6	41.6	41.9	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 7000	37.1	40.6	41.4	42.2	42.7	42.7	43.0	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000	42.4	46.	46.7	47.5	47.9	47.9	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 5000	47.3	51.6	52.2	53.	53.5	53.5	53.8	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.1	54.1
≥ 4500	51.3	55.1	55.7	56.5	57.0	57.0	57.3	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 4000	55.7	59.7	6 .3	61.1	61.6	61.6	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3500	66.8	64.8	65.4	66.2	66.7	66.7	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3000	68.1	73.2	73.9	74.6	75.1	75.1	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 2500	76.3	82.5	83.2	84.0	84.4	84.4	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2000	78.6	87.6	88.3	89.2	89.5	89.5	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	91.9	89.2	89.8	90.6	91.1	91.1	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	93.7	9 .2	93.	94.0	94.4	94.4	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	94.9	93.8	95.1	96.0	96.5	96.5	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	85.1	94.1	95.4	96.7	97.5	97.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	85.1	94.1	95.4	97..	97.8	97.8	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	85.4	94.3	95.7	97.5	98.3	98.3	98.7	98.7	99.	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	85.4	94.3	95.7	97.5	98.3	98.3	98.7	98.7	99.	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	85.4	94.3	95.7	97.5	98.3	98.3	98.7	98.7	99.	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	85.4	94.3	95.7	97.5	98.3	98.3	98.7	98.7	99.	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	85.4	94.3	95.7	97.6	98.4	98.4	98.9	99.	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	85.4	94.3	95.7	97.6	98.4	98.4	98.9	99.3	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7
≥ 200	85.4	94.3	95.7	97.6	98.4	98.4	98.9	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 100	85.4	94.3	95.7	97.6	98.4	98.4	98.9	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 0	85.4	94.4	95.9	97.8	98.6	98.6	99.0	99.2	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	[illegible]	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000	[illegible]	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 16000	[illegible]	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000	[illegible]	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 12000	[illegible]	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	45.9	45.9
≥ 10000	45.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 9000	[illegible]	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 8000	47.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 7000	[illegible]	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 6000	54.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 5000	[illegible]	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4500	62.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 4000	68.9	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 3500	75.2	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.
≥ 3000	84.6	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	88.9	91.0	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	92.2	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	93.2	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	94.3	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	94.4	98.9	99.[illegible]	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	94.4	98.9	99.	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	94.4	98.9	99.	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	94.4	98.9	99.	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	94.4	98.9	99.	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	94.4	98.9	99.	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	94.4	98.9	99.2	99.7	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 400	94.4	98.9	99.2	99.7	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 300	94.4	98.9	99.2	99.7	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 200	94.4	98.9	99.2	99.7	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 100	94.4	98.9	99.2	99.7	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 0	94.4	98.9	99.2	99.7	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 631

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | [illegible]-79 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible]-[illegible] HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 20000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 18000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 16000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 14000	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 12000	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 10000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 9000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 8000	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 7000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 6000	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	58.3	58.3	58.3
≥ 5000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3500	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	94.9	94.9	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	97.1	97.1	97.1	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800	97.9	97.9	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	98.4	98.4	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	99.2	99.2	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.2	99.2	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.2	99.2	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.2	99.2	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.2	99.2	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.2	99.2	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.2	99.2	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.2	99.2	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.2	99.2	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.2	99.2	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) APR (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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 20000	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 18000	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 16000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	49.	49.	49.	49.	49.	49.	49.	49.	49.	49.	49.	49.	49.	49.	49.	49.
≥ 12000	52.	52.	52.	52.	52.	52.	52.	52.	52.	52.	52.	52.	52.	52.	52.	52.
≥ 10000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	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	60.6	60.6	60.6
≥ 7000	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	74.1	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4500	78.4	79.	79.	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4000	84.4	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3500	87.3	88.6	88.7	89.	89.0	89.	89.	89.	89.	89.	89.	89.	89.	89.0	89.	89.
≥ 3000	91.8	92.4	92.5	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.0	93.	93.
≥ 2500	92.2	94.3	94.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	93.6	96.3	96.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	93.8	97.0	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	93.8	97.6	97.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.	99.	99.	99.1	99.	99.
≥ 1200	94.	98.1	98.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	94.	98.1	98.6	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	94.	98.1	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.	98.1	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.	98.1	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.	98.1	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.	98.1	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.	98.1	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.	98.1	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.	98.1	98.6	99.5	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	94.	98.1	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.	98.1	98.6	99.5	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 622

USAF ETAC FORM JUL 64 0-14-5 (OL 4) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 25 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	44.	44.	44.	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 18000	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 16000	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 14000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 12000	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	53.2	53.2	53.2
≥ 10000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 9000	57.4	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	57.6	57.6
≥ 8000	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 7000	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 6000	69.3	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 5000	72.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4500	77.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 4000	81.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	84.3	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000	89.3	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500	91.2	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	92.4	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	92.5	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	92.7	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	92.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	92.7	99.	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	92.7	99.	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	92.7	99.	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	92.7	99.	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	92.7	99.	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.7	99.	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.7	99.	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.7	99.	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.7	99.	99.8	99.8	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	92.7	99.	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.7	99.	99.8	99.8	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 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.2	35.0	35.2	35.4	35.6	35.6	35.6	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.9	35.9
≥ 20000	39.5	40.5	40.7	40.9	41.1	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.4	41.4	41.4	41.5
≥ 18000	39.6	40.6	40.8	41.1	41.2	41.2	41.3	41.3	41.3	41.4	41.5	41.5	41.5	41.5	41.5	41.6
≥ 16000	39.6	40.6	40.8	41.1	41.2	41.2	41.3	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.6	41.6
≥ 14000	41.8	41.8	42.1	42.3	42.4	42.4	42.5	42.5	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.8
≥ 12000	42.5	43.5	43.7	43.9	44.1	44.1	44.2	44.2	44.2	44.3	44.3	44.3	44.4	44.4	44.4	44.5
≥ 10000	44.6	45.8	46.0	46.3	46.4	46.4	46.5	46.5	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.8
≥ 9000	46.0	47.2	47.4	47.6	47.8	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.2
≥ 8000	47.3	48.5	48.7	49.0	49.1	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5	49.5
≥ 7000	50.2	51.6	51.8	52.1	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.5	52.6
≥ 6000	55.2	56.3	57.0	57.3	57.4	57.4	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8
≥ 5000	61.9	62.8	63.0	63.4	63.5	63.5	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.9	63.9
≥ 4500	65.1	67.2	67.4	67.8	67.9	67.9	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.3
≥ 4000	72.7	73.1	73.4	73.7	73.8	73.9	73.9	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2
≥ 3500	75.6	78.4	78.6	79.0	79.1	79.1	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.5	79.5
≥ 3000	82.1	85.2	85.5	85.9	86.0	86.0	86.1	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.4
≥ 2500	86.6	90.0	90.3	90.8	90.9	90.9	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.3	91.3
≥ 2000	88.6	92.8	93.2	93.7	93.8	93.8	93.9	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2
≥ 1800	88.7	93.8	94.2	94.7	94.9	94.9	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.3	95.3
≥ 1500	89.5	95.2	95.6	96.2	96.4	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8
≥ 1200	90.1	96.1	96.6	97.2	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9
≥ 1000	90.1	96.3	97.0	97.6	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.4
≥ 900	90.1	96.4	97.1	97.6	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 800	90.1	96.5	97.2	98.0	98.4	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 700	90.1	96.5	97.3	98.1	98.5	98.5	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9
≥ 600	90.1	96.5	97.3	98.2	98.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 500	90.1	96.5	97.4	98.2	98.6	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.2	99.2
≥ 400	90.2	96.6	97.4	98.3	98.7	98.8	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.3	99.4
≥ 300	90.2	96.6	97.4	98.3	98.7	98.8	99.0	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.6	99.7
≥ 200	90.2	96.6	97.4	98.3	98.7	98.8	99.0	99.1	99.2	99.3	99.4	99.4	99.6	99.6	99.8	99.9
≥ 100	90.2	96.6	97.4	98.3	98.7	98.8	99.1	99.1	99.2	99.3	99.4	99.4	99.6	99.6	99.8	99.9
0	90.2	96.6	97.4	98.4	98.8	98.8	99.1	99.2	99.2	99.4	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5130

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] PORTLAND IAP OR 73-79 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	45.4	45.5	45.5	[illegible]	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	46.5	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	46.9	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	47.5	47.5
≥ 16000	47.2	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000	47.4	47.8	47.8	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
≥ 12000	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	49.8	49.8	49.8
≥ 10000	[illegible]	5[illegible]	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	51.1	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 8000	51.3	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 7000	[illegible]	55.1	55.1	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
≥ 6000	58.6	59.4	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 5000	66.8	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4500	[illegible]	73.5	74.[illegible]	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	[illegible]	79.8	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]	8[illegible]
≥ 3500	[illegible]	[illegible]	84.[illegible]	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	[illegible]	90.[illegible]	91.[illegible]	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	[illegible]	94.[illegible]	95.[illegible]	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2000	[illegible]	96.9	98.[illegible]	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	93.8	97.[illegible]	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1500	94.[illegible]	97.4	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	94.2	97.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	94.2	97.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	94.2	98.[illegible]	99.[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	94.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	94.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	94.3	98.3	99.5	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
≥ 500	94.3	98.3	99.5	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
≥ 400	94.3	98.3	99.5	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
≥ 300	94.3	98.3	99.5	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
≥ 200	94.3	98.3	99.5	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	94.3	98.3	99.5	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
≥ 0	94.3	98.3	99.5	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 652

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
24	PORTLAND IAP OR	73-79	MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) 0700-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.3	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 20000	37.5	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 18000	37.6	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 16000	37.6	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 14000	38.2	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 12000	39.8	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 10000	42.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 9000	43.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 8000	43.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 7000	47.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 6000	52.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 5000	59.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4500	64.8	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	73.	75.9	76.	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500	77.3	8 .5	8 .6	8 .8	8 .8	80.8	80.8	8 .8	80.8	8 .8	80.8	80.8	80.8	80.8	80.8	8 .8
≥ 3000	82.9	86.6	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	87.6	92.1	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000	89.9	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	90.3	95.5	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	9 .5	96.2	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	91.1	96.9	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	91.2	97.2	98.	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	91.2	97.2	98.	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	91.2	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	91.2	97.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	91.2	97.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	91.2	97.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	91.2	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	91.2	98.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	91.2	98.0	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	91.2	98.	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
0	91.2	98.	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.3	32.7	33.3	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
≥ 20000	33.5	37.3	37.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 18000	33.6	37.6	38.2	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000	33.6	37.6	38.2	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 14000	34.1	38.1	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 12000	35.3	39.6	40.2	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	36.4	40.7	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 9000	36.4	41.2	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 8000	37.9	41.8	42.4	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 7000	38.9	43.6	44.2	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 6000	43.3	48.4	49.1	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
≥ 5000	51.0	56.2	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4500	57.0	62.7	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 4000	63.3	69.7	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3500	67.9	75.0	75.6	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
≥ 3000	73.7	81.4	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	76.7	84.8	85.6	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	80.6	88.8	89.9	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	82.8	89.6	90.6	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1500	83.9	92.2	93.2	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	85.4	94.8	95.9	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	85.6	95.2	96.3	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	85.7	95.5	96.6	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	85.7	95.9	96.9	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	85.7	96.0	97.2	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	85.7	96.0	97.4	98.5	98.6	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	85.7	96.0	97.5	98.6	98.8	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	85.7	96.0	97.5	98.6	98.8	98.9	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	85.7	96.0	97.5	98.6	98.8	98.9	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.7	96.0	97.5	98.6	98.8	98.9	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.7	96.0	97.5	98.6	98.8	98.9	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.7	96.0	97.5	98.6	98.8	98.9	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

3046

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

-229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	33.2	34.7	35.	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 20000	36.4	37.9	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 18000	36.4	37.9	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 16000	36.4	37.9	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 14000	36.9	38.4	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 120(	38.1	39.6	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 100((	39.3	40.9	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 9000	40.6	42.2	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 8000	42.5	44.7	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 7000	43.8	46.2	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 6000	46.1	48.5	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 5000	51.5	54.1	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 4500	55.	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4000	62.2	65.7	66.1	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
≥ 3500	67.	70.8	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	77.1	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	83.9	88.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2000	89.4	94.5	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	90.6	95.7	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	91.9	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	92.3	98.8	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	92.3	98.8	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	92.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	92.5	98.9	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	92.5	98.9	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	92.5	98.9	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.5	98.9	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.5	98.9	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.5	98.9	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.5	98.9	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.5	98.9	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.5	98.9	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 39 | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000	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	44.3	44.3	44.3
≥ 18000	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 16000	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 14000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000	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	49.5	49.5
≥ 9000	50.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 8000	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 7000	53.5	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 6000	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000	62.3	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 4500	66.8	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
≥ 4000	74.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3500	85.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3000	89.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	93.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000	94.6	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	94.9	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	95.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	95.5	99.7	99.7	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
≥ 1000	95.5	99.7	99.7	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
≥ 900	95.5	99.7	99.7	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
≥ 800	95.5	99.7	99.7	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
≥ 700	95.5	99.7	99.7	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
≥ 600	95.5	99.7	99.7	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
≥ 500	95.5	99.7	99.7	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
≥ 400	95.5	99.7	99.7	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
≥ 300	95.5	99.7	99.7	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
≥ 200	95.5	99.7	99.7	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	95.5	99.7	99.7	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
≥ 0	95.5	99.7	99.7	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 650

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 18000	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 16000	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	49.5	49.5
≥ 14000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 12000	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 10000	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 9000	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 8000	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 6000	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4500	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4000	85.1	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	89.1	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	93.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500	94.9	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	96.1	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	96.3	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	96.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	96.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	96.6	99.8	99.8	100.0	100.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.6	99.8	99.8	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
≥ 800	96.6	99.8	99.8	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
≥ 700	96.6	99.8	99.8	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
≥ 600	96.6	99.8	99.8	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
≥ 500	96.6	99.8	99.8	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
≥ 400	96.6	99.8	99.8	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
≥ 300	96.6	99.8	99.8	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
≥ 200	96.6	99.8	99.8	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	96.6	99.8	99.8	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
≥ 0	96.6	99.8	99.8	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3229	PORTLAND IAP OR	73-79	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 16000	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 14000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	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	53.2	53.2	53.2
≥ 10000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 9000	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	57.5	57.5	57.5
≥ 8000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 7000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 6000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 5000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4500	78.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000	85.1	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	88.2	90.6	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3000	92.8	95.4	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500	94.6	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000	95.2	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	95.4	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	95.4	98.8	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	95.7	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	95.7	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	95.7	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.7	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.7	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.7	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.7	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.7	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.7	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.7	99.2	99.5	99.8	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	95.7	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.7	99.2	99.5	99.8	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 650

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	0
NO CEILING	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	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	53.8	53.8
≥ 10000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 9000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 6000	64.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 5000	72.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	76.8	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000	81.1	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	84.2	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3000	89.9	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2500	92.2	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	93.2	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	93.5	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	93.9	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	94.0	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	94.0	98.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	94.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.2	99.1	99.8	99.8	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	94.2	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.2	99.1	99.8	99.8	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 29 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (MONTH)

ALL (HOURS (LST))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	40.3	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	43.5	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000	43.9	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 16000	44.3	44.9	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 14000	44.6	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 12000	46.2	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 10000	47.8	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 9000	49.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 8000	51.3	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 7000	52.9	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 6000	57.1	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 5000	64.0	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4500	68.5	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	75.3	78.0	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	81.0	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3000	85.8	89.3	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	89.4	93.3	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2000	91.5	95.8	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	92.0	96.4	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	92.5	97.5	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	93.1	98.2	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	93.1	98.3	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	93.2	98.4	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	93.2	98.6	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	93.2	98.6	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	93.2	98.6	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	93.2	98.6	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	93.3	98.6	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	93.2	98.6	99.3	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.2	98.6	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.3	98.6	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.2	98.6	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5204

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2200 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.8	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	49.6	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6
≥ 18000	49.9	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.9	50.9	50.9	50.9	50.9	50.9
≥ 16000	49.9	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.3	52.5	52.5	52.5	52.5	52.5	52.5
≥ 12000	52.5	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	54.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	55.0	55.0	55.0	55.0	55.0	55.0
≥ 9000	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.0	55.2	55.2	55.2	55.2	55.2	55.2
≥ 8000	55.6	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6
≥ 7000	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	61.2	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2
≥ 5000	68.2	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4500	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4000	78.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	81.2	82.-	82.-	82.-	82.-	82.-	82.-	82.-	82.-	82.2	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3000	87.6	88.6	88.9	89.-	89.-	89.-	89.-	89.-	89.-	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	91.3	92.2	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.8	93.-	93.0	93.0	93.0	93.0	93.0
≥ 2000	93.0	94.3	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	94.1	95.4	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	95.2	97.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	95.5	97.6	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	95.7	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	95.7	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	95.7	97.8	98.7	99.-	99.-	99.-	99.-	99.-	99.-	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	95.7	97.8	98.7	99.-	99.-	99.-	99.-	99.-	99.-	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	95.7	97.8	98.7	99.-	99.-	99.-	99.-	99.-	99.-	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.7	97.8	98.7	99.-	99.2	99.2	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	95.7	97.8	98.7	99.2	99.5	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.7	97.8	98.9	99.2	99.5	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.7	97.8	98.9	99.2	99.5	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.7	97.8	98.9	99.2	99.5	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.7	97.8	98.9	99.2	99.5	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS (L ST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	0
NO CEILING	41.2	41.3	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	42.1	43.2	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9
≥ 18000	42.4	43.6	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2
≥ 16000	42.4	43.6	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2
≥ 14000	44.6	45.2	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8
≥ 12000	46.1	47.2	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.9	47.9	47.9	47.9	47.9	47.9
≥ 10000	47.2	48.3	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	48.0	49.1	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8
≥ 8000	48.3	49.9	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6
≥ 7000	50.6	51.7	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3
≥ 6000	53.1	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0
≥ 5000	59.3	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2
≥ 4500	62.0	63.9	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4000	69.3	70.7	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3500	73.4	75.0	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3000	79.1	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	83.9	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	87.0	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	88.7	91.4	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	92.3	94.1	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	92.7	96.8	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	93.2	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	93.6	97.8	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	93.6	97.8	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	93.6	97.8	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	93.6	97.8	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	93.6	97.8	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	93.6	97.9	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.6	97.9	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.6	97.9	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.6	97.9	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.6	97.9	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

'20 (STATION) | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0900 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	35.5	39.5	39.6	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2
≥ 20000	38.1	41.8	42.1	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8
≥ 18000	38.2	42.0	42.3	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9
≥ 16000	38.3	42.1	42.4	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1
≥ 14000	38.6	42.4	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4
≥ 12000	40.2	44.0	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0
≥ 10000	40.9	44.7	45.0	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6
≥ 9000	40.9	44.7	45.0	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6
≥ 8000	42.3	46.1	46.4	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1
≥ 7000	44.2	48.0	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.0	49.0	49.0	49.0
≥ 6000	45.9	49.8	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7
≥ 5000	46.7	50.5	50.8	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5
≥ 4500	52.6	56.6	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6
≥ 4000	59.8	63.9	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3500	63.6	67.7	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8
≥ 3000	69.2	73.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2500	76.0	80.3	80.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2000	79.2	84.1	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	80.6	86.0	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	85.1	91.9	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	87.1	95.5	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	87.8	97.3	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	88.2	97.8	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	88.2	97.9	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	88.3	97.9	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	88.4	98.1	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	88.6	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	88.6	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.6	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.6	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.6	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	88.6	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAF_TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 24 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	38.1	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 20000	38.4	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 18000	38.7	43.	43.2	43.2	43.2	43.2	43.	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 16000	38.9	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000	39.1	44.	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 12000	39.9	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 10000	41.3	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 9000	41.6	45.9	46.1	46.0	46.0	46.0	46.1	46.1	46.0	46.0	46.0	46.1	46.1	46.1	46.0	46.1
≥ 8000	43.5	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 7000	44.1	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 6000	46.5	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 5000	51.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 4500	53.2	57.5	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	57.6
≥ 4000	54.1	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 3500	56.1	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000	72.7	77.3	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 2500	85.3	85.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	86.1	91.3	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	88.9	94.3	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500	90.2	96.3	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	91.3	98.4	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	91.3	98.9	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	91.3	98.9	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	91.3	98.9	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	91.3	98.9	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	91.3	98.9	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	91.5	98.9	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.3	98.9	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.3	98.9	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.3	98.9	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.3	98.9	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.3	98.9	99.5	99.8	99.8	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 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
727	PORTLAND IAP OR	73-79	JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) 1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	46.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	51.9	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	51.9	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	51.9	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	52.3	52.9	53.	53.0	53.0	53.	53.	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000	53.7	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	55.1	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.	56.0	56.0	56.0	56.0	56.0
≥ 9000	55.4	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	56.3	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	57.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.9
≥ 6000	61.3	62.1	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	62.4
≥ 5000	66.5	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6
≥ 4500	69.7	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.8
≥ 4000	77.9	78.9	79.	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.2
≥ 3500	82.7	84.	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.	84.1	84.1	84.1	84.1	84.3
≥ 3000	87.6	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5
≥ 2500	91.6	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.5
≥ 2000	93.3	95.7	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3
≥ 1800	94.4	96.8	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5
≥ 1500	95.6	98.6	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4
≥ 1200	95.7	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 1000	95.7	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 900	95.7	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 800	95.9	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 700	95.9	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 600	95.9	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 500	95.9	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 400	95.9	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 300	95.9	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 200	95.9	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 100	95.9	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 0	95.9	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 631

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible]229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2¾	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 18000	59.	59.	59.	59.	59.	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 16000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 12000	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	60.6	60.6	60.6
≥ 10000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 8000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 7000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 6000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4500	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3500	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3000	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	95.4	96.0	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	96.2	97.1	97.1	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	96.9	97.5	97.5	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	97.3	98.4	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.	99.	99.0	99.0	99.0	99.0
≥ 1200	97.6	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	97.8	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	97.8	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	97.8	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	97.8	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.8	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.8	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.8	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.8	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.8	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.	100.0	100.0	100.0	100.0	100.0
≥ 100	97.8	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.8	99.4	99.4	99.7	99.8	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 630

3052

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 18000	59.	59.	59.	59.	59.	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 16000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 12000	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	60.6	60.6	60.6
≥ 10000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 8000	64.1	64.1	64.1	64.1	64.1	64.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 7000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 6000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4500	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3500	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3000	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	95.4	96.0	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	96.2	97.1	97.1	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	96.9	97.5	97.5	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	97.3	98.4	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.	99.	99.0	99.0	99.0	99.0
≥ 1200	97.6	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	97.6	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	97.6	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	97.6	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	97.6	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.6	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.6	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.6	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.6	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.6	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.	100.0	100.0	100.0	100.0	100.0
≥ 100	97.6	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.6	99.4	99.4	99.7	99.8	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 630

3052

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 20000	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 18000	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 16000	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 10000	61.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	61.7	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	62.2	62.2
≥ 8000	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 6000	71.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	82.1	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000	86.7	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3500	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	92.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	95.1	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	95.6	97.6	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	95.7	97.8	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	96.3	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	96.3	98.4	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	96.3	98.4	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	96.3	98.4	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	96.3	98.4	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	96.3	98.4	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	96.3	98.4	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	96.3	98.4	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	96.3	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.3	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.3	98.4	99.0	99.8	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	96.3	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.3	98.4	99.0	99.8	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 630

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

(7227) STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	45.9	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	49.5	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	49.4	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	49.7	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	50.5	51.9	52.0	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
≥ 12000	51.7	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	52.9	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6
≥ 9000	53.3	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000	54.6	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
≥ 7000	56.5	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000	60.6	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3
≥ 5000	66.4	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	69.0	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
≥ 4000	76.1	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500	79.9	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.1	82.2	82.2
≥ 3000	84.7	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2
≥ 2500	88.7	91.8	91.9	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4
≥ 2000	92.8	93.4	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	91.9	94.6	94.9	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
≥ 1500	93.4	96.7	97.1	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
≥ 1200	94.2	98.0	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	94.3	98.4	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	94.5	98.5	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	94.5	98.5	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 700	94.5	98.6	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	94.5	98.6	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 500	94.5	98.6	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	94.5	98.8	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.5	98.6	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.5	98.6	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.5	98.6	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.5	98.6	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5437

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JULY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0230 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	64.4	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 16000	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	68.2	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 8000	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 7000	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000	78.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	93.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	94.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	96.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	97.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	97.5	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	97.5	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	97.5	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	97.5	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	97.5	99.1	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	97.5	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.5	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.5	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.5	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.5	99.1	99.4	99.7	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	97.5	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.5	99.1	99.4	99.7	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL MONTH

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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	48.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	50.8	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	51.2	52.2	52.2	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
≥ 14000	52.7	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 12000	53.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	55.1	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 9000	55.8	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	56.4	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 7000	57.6	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	59.8	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	63.7	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	68.7	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	74.5	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3500	78.2	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3000	83.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	85.9	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	88.3	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	89.2	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	91.6	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	91.2	95.2	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	91.7	96.8	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	92.1	97.4	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	92.1	97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	92.1	98.1	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	92.2	98.5	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	92.2	98.6	99.1	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
≥ 400	92.2	98.6	99.1	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
≥ 300	92.2	98.6	99.1	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
≥ 200	92.2	98.6	99.1	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	92.2	98.6	99.1	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
≥ 0	92.2	98.6	99.1	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL MONTH

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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	48.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	51.9	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	51.2	52.2	52.2	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
≥ 14000	52.7	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 12000	53.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	55.1	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 9000	55.8	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	56.4	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 7000	57.6	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	59.8	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	63.7	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	68.7	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	74.5	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3500	78.2	80.3	80.3	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3000	83.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	85.9	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	88.3	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	89.2	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	91.6	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	91.2	95.2	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	91.7	96.8	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	92.1	97.4	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	92.1	97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	92.1	98.1	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	92.2	98.5	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	92.2	98.6	99.1	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
≥ 400	92.4	98.6	99.1	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
≥ 300	92.2	98.6	99.1	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
≥ 200	92.2	98.6	99.1	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	92.2	98.6	99.1	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
≥ 0	92.2	98.6	99.1	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	43.9	45.8	46.5	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 20000	44.1	48.1	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 18000	48.2	48.2	49.[illegible]	49.3	49.3	49.3	49.3	49.[illegible]	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000	44.2	48.2	49.[illegible]	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	45.3	5[illegible].1	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	46.9	51.6	52.[illegible]	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 10000	48.4	53.1	54.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 9000	49.2	54.2	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 8000	49.6	54.7	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 7000	50.5	55.6	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	53.0	58.2	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 5000	58.8	64.1	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4500	59.8	65.[illegible]	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	62.7	67.9	69.[illegible]	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 3500	67.0	72.2	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3000	71.9	77.9	79.[illegible]	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	76.3	82.5	83.6	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000	81.6	88.2	89.2	90.[illegible]	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	82.9	90.2	91.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	85.1	93.4	94.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	86.3	95.7	97.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	86.5	96.2	98.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	86.5	96.2	98.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	86.5	96.2	98.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	86.5	96.2	98.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	86.5	96.2	98.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	86.5	96.2	98.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.5	96.2	98.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.5	96.2	98.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.5	96.2	98.2	99.7	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	86.5	96.2	98.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	86.5	96.2	98.2	99.7	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	56.2	58.2	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	59.8	61.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 18000	59.9	61.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 16000	59.8	61.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 14000	61.3	63.1	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	63.9	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 10000	65.3	67.4	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 9000	65.6	67.7	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 8000	66.2	68.5	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	67.4	69.7	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 6000	71.0	73.9	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	75.3	78.3	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4500	78.1	80.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	82.3	84.8	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500	86.9	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3000	91.8	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2500	92.3	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	93.5	96.8	97.5	97.5	97.5	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	94.2	97.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	94.5	98.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.5	98.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	0
NO CEILING	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	62.5	62.5	62.5
≥ 20000	66.7	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	66.8	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	66.8	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	67.6	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 12000	69.9	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 10000	72.5	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 9000	73.1	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	75.3	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 7000	77.8	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 6000	81.1	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	85.9	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4500	88.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4000	92.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3500	94.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 3000	95.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500	96.2	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	96.5	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	96.5	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	96.5	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	96.5	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	96.5	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.5	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.5	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.5	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.5	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.5	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.5	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.5	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.5	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.5	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.5	99.2	99.5	99.8	99.8	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 ..27 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2100 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 20000	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 18000	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 16000	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 14000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 12000	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 8000	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 5000	88.5	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 4500	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500	93.5	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	95.5	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500	96.6	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	97.1	98.6	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	97.1	98.6	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	97.1	98.8	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	97.1	98.8	99.1	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	97.1	98.8	99.1	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	97.1	98.8	99.1	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	97.1	98.8	99.1	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	97.1	98.8	99.1	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	97.1	98.8	99.1	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	97.1	98.8	99.1	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	97.1	98.8	99.1	99.1	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.1	98.8	99.1	99.1	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.1	98.8	99.1	99.1	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.1	98.8	99.1	99.1	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.1	98.8	99.1	99.1	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

3057

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	72.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 18000	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 16000	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 14000	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 12000	74.5	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 10000	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 7000	80.6	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 6000	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4500	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000	91.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3500	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3000	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2500	96.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	96.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1800	96.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1500	96.9	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	97.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	97.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	97.1	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	97.1	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	97.1	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	97.1	99.4	99.5	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
≥ 500	97.1	99.4	99.5	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
≥ 400	97.1	99.4	99.5	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
≥ 300	97.1	99.4	99.5	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
≥ 200	97.1	99.4	99.5	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	97.1	99.4	99.5	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
≥ 0	97.1	99.4	99.5	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	55.4	56.8	57.[illegible]	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	59.[illegible]	60.6	60.8	60.9	61.9	60.9	60.9	60.9	60.9	60.9	61.[illegible]	61.[illegible]	61.[illegible]	61.[illegible]	61.[illegible]	61.[illegible]
≥ 18000	59.1	60.7	60.9	61.[illegible]	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 16000	59.2	60.8	61.[illegible]	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2
≥ 14000	61.4	62.1	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 12000	61.6	63.4	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	63.1	64.9	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 9000	63.6	65.5	65.8	65.9	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]
≥ 8000	64.7	66.6	66.9	67.[illegible]	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	66.6	68.5	68.8	68.9	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]
≥ 6000	69.4	71.4	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 5000	73.2	75.6	75.8	76.[illegible]	76.[illegible]	76.[illegible]	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500	76.[illegible]	78.[illegible]	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000	81.[illegible]	82.2	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	83.2	85.5	85.8	86.[illegible]	86.[illegible]	86.[illegible]	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	86.9	89.5	89.8	89.9	9[illegible].[illegible]	90.[illegible]	90.[illegible]	90.[illegible]	90.[illegible]	90.[illegible]	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	88.9	91.6	92.[illegible]	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	90.7	93.9	94.2	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	91.3	94.6	95.[illegible]	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	92.2	96.[illegible]	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.[illegible]	97.[illegible]	97.[illegible]	97.[illegible]	97.[illegible]	97.[illegible]
≥ 1200	92.8	96.9	97.4	97.9	98.[illegible]	98.[illegible]	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	93.[illegible]	97.[illegible]	98.1	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	93.[illegible]	97.6	98.3	98.9	99.[illegible]	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	93.[illegible]	97.7	98.[illegible]	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	93.[illegible]	97.7	98.6	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	93.1	97.8	98.7	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	93.1	97.8	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.[illegible]	99.9	99.9	99.9	99.9	99.9
≥ 400	93.1	97.8	98.7	99.4	99.6	99.7	99.9	99.9	99.9	99.9	100.[illegible]	100.0	100.0	100.0	100.0	100.0
≥ 300	93.1	97.8	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.2	97.8	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.1	97.8	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	93.2	97.8	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5207

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	56.4	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	58.8	61.	61.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	59.4	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 16000	59.4	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 14000	60.1	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	62.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	63.4	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000	64.4	66.7	66.8	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	64.5	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	66.4	68.7	68.8	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
≥ 6000	67.7	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 5000	72.	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	75.3	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	79.3	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3500	82.5	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	84.9	89.4	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	85.9	90.9	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	86.9	92.6	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	87.3	93.1	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	88.2	94.6	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	89.1	95.7	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	89.2	96.	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	89.2	96.2	97.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	89.3	96.3	98.	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	89.2	96.8	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	89.2	96.6	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	89.2	96.6	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	89.2	96.6	98.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	89.2	96.6	98.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	89.2	96.6	98.5	99.8	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	89.2	96.6	98.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	89.2	96.6	98.5	99.8	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

429 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	42.4	44.7	45.	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	44.7	47.	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 18000	44.7	47.	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	44.7	47.	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000	45.3	47.6	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 12000	46.9	49.5	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 10000	48.4	51.0	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	48.5	51.2	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 8000	49.0	51.6	51.9	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
≥ 7000	50.8	53.5	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 6000	54.1	56.8	57.1	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
≥ 5000	57.3	60.2	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 4500	60.2	63.3	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4000	68.8	68.2	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 3500	69.	72.7	73.	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000	73.1	77.9	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500	74.2	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	77.3	83.6	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	77.7	84.5	84.9	85.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1500	79.1	87.1	87.6	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1200	81.1	89.9	90.9	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000	82.5	92.3	93.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 900	82.9	92.8	93.5	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	83.1	93.4	94.9	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 700	83.3	93.7	95.9	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	83.3	93.7	95.9	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	83.3	94.3	96.8	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	83.3	94.3	96.8	98.5	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	83.3	94.3	96.8	98.5	99.2	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	83.3	94.3	96.8	98.5	99.2	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	83.3	94.3	96.8	98.5	99.2	99.2	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
0	83.3	94.3	96.8	98.5	99.2	99.2	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

3059

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

(22) STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	22.3	28.1	28.6	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 20000	28.1	31.4	31.2	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 18000	28.3	31.9	31.6	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 16000	28.6	31.9	31.6	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 14000	26.1	32.4	33.2	33.6	33.6	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 12000	26.9	34.3	35.2	35.6	36.1	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 10000	27.5	34.9	35.8	36.3	36.7	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 9000	27.5	34.9	35.8	36.3	36.7	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 8000	28.3	35.3	36.3	36.7	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 7000	29.3	37.0	38.1	38.6	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 6000	32.3	39.6	40.7	41.3	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 5000	37.2	45.2	46.2	46.9	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 4500	38.9	47.	48.1	48.7	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 4000	42.4	51.7	51.8	52.4	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 3500	46.5	54.8	55.9	56.5	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3000	50.4	59.3	61.5	61.1	61.6	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 2500	53.3	62.4	63.6	64.7	65.1	65.3	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 2000	57.1	67.1	68.4	69.7	70.2	70.4	70.5	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 1800	57.6	68.0	69.3	70.7	71.4	71.6	71.7	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1500	59.6	72.0	73.3	74.8	75.6	75.7	76.0	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1200	63.1	76.8	80.2	81.7	82.5	82.8	83.1	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1000	65.	82.6	84.6	86.5	87.7	88.2	88.5	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 900	65.4	83.4	86.2	88.2	89.4	89.9	90.2	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 800	65.4	84.	87.7	91.2	91.4	91.9	92.2	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700	65.6	84.8	89.4	92.2	93.4	93.9	94.3	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	65.6	85.3	90.0	93.4	94.8	95.2	95.7	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500	65.6	85.4	90.2	93.5	95.2	95.7	96.5	96.8	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	65.6	85.4	90.3	93.7	95.4	95.9	96.9	97.8	98.	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	65.6	85.4	90.3	93.7	95.5	96.0	97.2	98.3	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	65.6	85.4	90.3	93.7	95.5	96.0	97.2	98.5	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	65.6	85.4	90.3	93.7	95.5	96.0	97.2	98.5	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0
0	65.6	85.4	90.3	93.7	95.5	96.0	97.2	98.5	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 429 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.8	38.2	39.9	40.4	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	39.8	39.3	41.0	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 18000	39.9	39.5	41.2	41.6	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 16000	39.9	39.5	41.2	41.6	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 14000	39.6	40.2	42.1	42.5	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 12000	42.4	41.9	43.9	44.2	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 10000	43.5	43.0	44.9	45.3	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 9000	43.6	43.5	45.3	45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 8000	44.3	44.1	45.9	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 7000	45.3	45.2	47.0	47.5	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 6000	47.1	47.2	49.1	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 5000	50.1	50.2	52.1	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4500	43.1	53.1	55.1	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 4000	48.8	59.1	61.0	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 3500	52.7	63.4	65.3	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 3000	57.5	68.8	71.8	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	61.9	75.1	77.1	77.6	77.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 2000	65.6	79.9	81.9	82.3	82.5	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1800	67.1	82.0	84.3	84.8	84.9	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1500	71.0	87.3	90.0	90.6	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1200	72.4	91.1	94.9	95.9	96.0	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	72.4	91.9	95.9	97.2	97.4	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	72.4	92.0	96.5	97.8	98.2	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	72.4	92.1	96.6	98.2	98.5	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	72.4	92.1	96.6	98.2	98.5	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	72.4	92.2	96.8	98.3	98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	72.4	92.2	96.8	98.3	98.6	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	72.4	92.2	96.8	98.3	98.6	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	72.4	92.2	96.8	98.3	98.6	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	72.4	92.2	96.8	98.3	98.6	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	72.4	92.2	96.8	98.3	98.6	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	72.4	92.2	96.8	98.3	98.6	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	51.3	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	53.1	57.3	57.5	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
≥ 18000	53.5	57.6	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 16000	53.6	57.8	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	55.1	59.3	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	59.6
≥ 12000	56.3	60.7	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 10000	58.4	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	63.1	63.1
≥ 9000	59.1	63.6	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	61.7	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 7000	62.2	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 6000	63.3	68.4	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000	66.4	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	69.1	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4000	74.3	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3500	77.7	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	81.6	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2500	85.2	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	87.1	96.0	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	87.7	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	88.0	98.0	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	88.0	98.3	98.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	88.0	98.3	98.5	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	88.0	98.3	98.5	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	88.2	98.5	98.6	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	88.2	98.5	98.6	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	88.2	98.5	98.6	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	88.2	98.5	98.6	99.4	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	88.2	98.5	98.6	99.4	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.2	98.5	98.6	99.4	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.2	98.5	98.6	99.4	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.2	98.5	98.6	99.4	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	88.2	98.5	98.6	99.4	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	59.3	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 20000	61.8	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	61.8	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	61.8	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	62.4	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	64.8	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	67.3	68.8	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
≥ 9000	67.6	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 8000	69.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	71.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 6000	74.7	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	78.3	81.1	81.3	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4500	79.9	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	83.9	87.7	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3500	85.9	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	87.9	92.8	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	89.2	95.4	95.5	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	90.5	97.2	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	90.8	97.4	97.5	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	91.6	97.8	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	92.9	98.3	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	93.9	98.5	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	93.9	98.5	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	94.1	98.5	98.6	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	93.9	98.5	98.6	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	93.9	98.5	98.6	99.1	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	93.9	98.5	98.6	99.1	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	93.9	98.5	98.6	99.1	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.9	98.5	98.6	99.1	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.9	98.5	98.6	99.1	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.9	98.5	98.6	99.1	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.9	98.5	98.6	99.1	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

3061

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	61.	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	63.6	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	63.6	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	63.7	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000	64.4	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 12000	65.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	68.7	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 9000	69.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 8000	70.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 7000	72.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	77.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000	80.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4500	82.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4000	86.3	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3500	87.9	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	90.2	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2500	91.2	95.9	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	91.2	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	91.2	96.9	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	91.2	97.1	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	91.4	97.5	97.8	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	91.4	97.8	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	91.4	97.8	98.2	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	91.6	98.0	98.3	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	91.6	98.0	98.3	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	91.6	98.0	98.3	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	91.6	98.0	98.3	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	91.6	98.0	98.3	99.2	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.6	98.0	98.3	99.2	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.6	98.0	98.3	99.2	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.6	98.0	98.3	99.2	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.6	98.0	98.3	99.2	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	63.1	64.7	65.1	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.0	65.0
≥ 20000	66.2	65.9	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	66.2
≥ 18000	66.4	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 16000	66.4	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 14000	67.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 12000	68.7	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 10000	70.5	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 9000	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	72.9	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 7000	73.4	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 6000	73.9	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5000	77.6	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	81.3
≥ 4500	81.2	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	85.4	88.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	87.8	91.2	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3000	93.0	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2500	90.2	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2000	90.6	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800	90.8	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	90.9	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	90.9	97.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	90.9	97.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	90.9	97.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	90.9	97.7	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	90.9	97.7	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	90.9	97.7	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	90.9	97.8	98.9	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.9	97.8	98.9	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.9	97.8	98.9	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.9	97.8	98.9	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.9	97.8	98.9	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.9	97.8	98.9	99.7	99.8	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AU MONTH

ALL HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	48.2	51.5	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	50.1	53.7	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 18000	5 .3	53.9	54.3	54.5	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	5 .4	53.9	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 14000	51.2	54.8	55.2	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	52.8	56.7	57.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	54.4	58.4	58.9	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 9000	54.9	59.1	59.5	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000	55.6	60.0	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	57.4	61.7	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 6000	60.9	64.3	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 5000	63.7	68.2	68.7	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1
≥ 4500	66.1	70.8	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	7 .7	75.7	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3500	73.7	79.1	79.7	8 .4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	76.9	83.1	83.7	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	78.8	85.9	86.6	87.1	87.2	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	8 .8	88.7	89.5	89.9	9 .0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	81.2	89.5	90.3	9 .8	9 .9	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500	82.3	91.4	92.3	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	83.4	93.4	94.5	95.2	95.4	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	83.6	94.4	95.6	96.6	96.8	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	83.9	94.6	95.	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	84.	94.8	96.4	97.6	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	84.	95.	96.8	98.1	98.4	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	84.	95.	96.9	98.2	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	84.	95.2	97.	98.3	98.8	99.	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	84.	95.2	97.1	98.5	98.9	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	84.	95.2	97.1	98.5	98.9	99.1	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	84.	95.2	97.1	98.5	98.9	99.1	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	84.	95.2	97.1	98.5	98.9	99.1	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	84.	95.2	97.1	98.5	98.9	99.1	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5238

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	56.2	60.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7
≥ 20000	58.1	62.2	62.7	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7
≥ 18000	58.3	62.4	62.9	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8
≥ 16000	58.3	62.4	62.9	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8
≥ 14000	58.7	62.9	63.3	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3
≥ 12000	60.3	64.4	64.9	65.7	65.7	65.7	65.7	65.7	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0
≥ 10000	61.3	65.6	66.0	66.8	66.8	66.8	66.8	66.8	66.8	67.0	67.0	67.0	67.1	67.1	67.1	67.1
≥ 9000	61.9	66.2	66.7	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.8	67.8	67.8	67.8
≥ 8000	63.5	67.8	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.2	69.2	69.2	69.4	69.4	69.4	69.4
≥ 7000	66.1	70.5	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.9	71.9	72.1	72.1	72.1	72.1
≥ 6000	69.2	73.7	74.1	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2
≥ 5000	73.	77.6	78.1	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.1	79.1	79.2	79.2	79.2	79.2
≥ 4500	74.3	78.9	79.4	80.2	80.2	80.2	80.	80.2	80.2	80.3	80.3	80.3	80.5	80.5	80.5	80.5
≥ 4000	77.3	81.9	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.5	83.5	83.5	83.5
≥ 3500	80.6	85.6	86.	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3
≥ 3000	82.4	88.3	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.6	90.6	90.6	90.6
≥ 2500	83.8	90.3	91.4	92.7	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9	93.0	93.0	93.0	93.0
≥ 2000	84.0	91.6	92.9	94.1	94.1	94.1	94.1	94.1	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 1800	85.1	92.7	94.0	95.2	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.4	95.6	95.6	95.6	95.6
≥ 1500	85.4	93.5	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 1200	85.6	94.3	96.3	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.9	97.9	97.9	97.9
≥ 1000	85.6	94.4	96.7	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.4
≥ 900	85.6	94.4	96.7	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.4
≥ 800	85.6	94.4	96.7	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.4
≥ 700	85.6	94.8	97.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.7
≥ 600	85.6	94.8	97.	98.3	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.9
≥ 500	85.7	94.9	97.5	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.5
≥ 400	85.7	94.9	97.5	98.9	99.1	99.3	99.0	99.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.5
≥ 300	85.7	94.9	97.5	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.8
≥ 200	85.7	94.9	97.5	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.8
≥ 100	85.7	94.9	97.5	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.8	99.8	99.8	100.0
≥ 0	85.7	94.9	97.5	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] / STATION | PORTLAND IAP OR / STATION NAME | 73-79 / YEARS | SEP / MONTH

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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	42.5	46.8	48.6	49.4	49.4	49.4	49.5	49.5	49.8	50.0	50.0	50.0	50.3	50.3	50.3	50.5
≥ 20000	43.3	47.6	49.4	50.2	50.2	50.2	50.5	50.5	50.8	51.0	51.0	51.0	51.3	51.3	51.4	51.6
≥ 18000	43.3	47.6	49.4	50.2	50.2	50.2	50.5	50.5	50.8	51.0	51.0	51.0	51.3	51.3	51.4	51.6
≥ 16000	43.3	47.6	49.4	50.2	50.2	50.2	50.5	50.5	50.8	51.0	51.0	51.0	51.3	51.3	51.4	51.6
≥ 14000	44.3	48.6	50.3	51.1	51.1	51.1	51.4	51.4	51.7	51.9	51.9	51.9	52.2	52.2	52.4	52.5
≥ 12000	44.8	49.0	50.8	51.6	51.6	51.6	51.9	51.9	52.2	52.4	52.4	52.4	52.7	52.7	52.9	53.0
≥ 10000	46.8	51.3	53.0	53.8	53.8	53.8	54.1	54.1	54.4	54.6	54.6	54.6	54.9	54.9	55.1	55.2
≥ 9000	47.6	52.2	54.1	54.9	54.9	54.9	55.2	55.2	55.6	55.7	55.7	55.7	56.0	56.0	56.2	56.3
≥ 8000	48.1	52.7	54.6	55.4	55.4	55.4	55.7	55.7	56.0	56.2	56.2	56.2	56.5	56.5	56.7	56.8
≥ 7000	50.5	55.6	57.5	58.3	58.3	58.3	58.6	58.6	58.9	59.1	59.1	59.1	59.4	59.4	59.5	59.7
≥ 6000	51.6	57.0	58.9	59.7	59.7	59.7	60.0	60.0	60.3	60.5	60.5	60.5	60.8	60.8	61.0	61.1
≥ 5000	56.5	62.1	64.0	64.8	64.8	64.8	65.1	65.1	65.4	65.6	65.6	65.6	65.9	65.9	66.0	66.2
≥ 4500	58.4	64.3	66.2	67.0	67.0	67.0	67.3	67.3	67.6	67.8	67.8	67.8	68.1	68.1	68.3	68.4
≥ 4000	63.7	69.7	71.7	72.5	72.5	72.5	72.9	72.9	73.2	73.3	73.3	73.3	73.7	73.7	73.8	74.0
≥ 3500	65.2	71.9	74.0	74.8	74.8	74.8	75.1	75.1	75.4	75.6	75.6	75.6	75.9	75.9	76.0	76.2
≥ 3000	69.3	75.1	77.3	78.1	78.1	78.1	78.4	78.4	78.7	78.9	78.9	78.9	79.2	79.2	79.4	79.5
≥ 2500	70.6	78.3	80.6	81.7	81.7	81.7	82.1	82.1	82.4	82.5	82.5	82.5	82.9	82.9	83.0	83.2
≥ 2000	73.9	80.5	83.5	84.8	84.8	84.8	85.1	85.1	85.4	85.6	85.6	85.6	85.9	85.9	86.0	86.2
≥ 1800	75.7	81.4	84.4	85.7	85.7	85.7	86.0	86.0	86.3	86.5	86.5	86.5	86.8	86.8	87.0	87.1
≥ 1500	75.8	83.5	86.7	88.1	88.3	88.3	88.6	88.6	88.9	89.0	89.1	89.1	89.4	89.4	89.5	89.7
≥ 1200	79.4	84.8	88.3	89.7	89.8	89.8	90.2	90.2	90.5	90.6	90.6	90.6	91.0	91.0	91.1	91.3
≥ 1000	79.8	85.7	89.4	91.0	91.3	91.3	91.6	91.6	91.9	92.1	92.1	92.1	92.4	92.4	92.5	92.7
≥ 900	79.9	86.7	91.3	91.9	92.2	92.2	92.7	92.7	93.0	93.2	93.2	93.2	93.5	93.5	93.7	93.8
≥ 800	80.1	87.0	91.6	92.5	92.9	92.9	93.3	93.3	93.7	93.8	93.8	93.8	94.1	94.1	94.3	94.4
≥ 700	80.6	87.6	91.9	93.2	93.5	93.5	94.0	94.0	94.3	94.4	94.4	94.4	94.8	94.8	94.9	95.1
≥ 600	80.6	87.9	91.7	93.7	94.0	94.0	94.6	94.6	94.9	95.1	95.1	95.1	95.4	95.4	95.6	95.7
≥ 500	80.7	88.9	92.9	94.9	95.2	95.2	95.9	95.9	96.2	96.3	96.3	96.3	96.7	96.7	96.8	97.0
≥ 400	80.7	89.0	93.0	95.2	95.7	95.7	96.3	96.3	96.7	96.8	96.8	96.8	97.1	97.1	97.3	97.5
≥ 300	80.7	89.2	93.2	95.6	96.0	96.0	96.8	97.1	97.5	97.9	97.9	97.9	98.3	98.3	98.4	98.6
≥ 200	80.7	89.2	93.2	95.7	96.2	96.2	97.0	97.3	97.6	98.1	98.3	98.3	98.7	98.7	98.9	99.0
≥ 100	80.7	89.2	93.2	95.7	96.2	96.2	97.0	97.3	97.6	98.3	98.4	98.4	99.0	99.0	99.2	99.7
0	80.7	89.2	93.2	95.7	96.2	96.2	97.0	97.3	97.6	98.3	98.4	98.4	99.0	99.0	99.2	99.7

TOTAL NUMBER OF OBSERVATIONS 631

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0800 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	27.[illegible]	35.9	38.3	38.6	39.[illegible]	39.0	39.2	39.2	39.2	39.2	39.4	39.4	39.7	39.7	39.8	40.2
≥ 20000	27.8	37.1	39.7	40.0	40.5	41.5	41.0	41.0	41.0	41.0	41.1	41.1	41.6	41.6	41.7	42.2
≥ 18000	27.8	37.1	39.7	40.0	40.5	40.5	41.0	41.0	41.0	41.0	41.1	41.1	41.6	41.6	41.7	42.2
≥ 16000	27.8	37.1	39.7	40.0	40.5	40.5	41.0	41.0	41.0	41.0	41.1	41.1	41.6	41.6	41.7	42.2
≥ 14000	28.4	37.9	41.5	41.8	41.3	41.3	41.7	41.7	41.7	41.7	41.9	41.9	42.4	42.4	42.5	43.0
≥ 12000	28.9	38.4	41.1	41.3	41.7	41.7	42.2	42.2	42.2	42.2	42.4	42.4	42.9	42.9	43.0	43.5
≥ 10000	30.2	40.0	42.5	42.9	43.3	43.3	43.8	43.8	43.8	43.8	44.1	44.1	44.4	44.4	44.6	45.1
≥ 9000	30.6	40.5	43.0	43.3	43.8	43.8	44.3	44.3	44.3	44.3	44.4	44.4	44.9	44.9	45.1	45.6
≥ 8000	31.0	41.0	43.5	43.8	44.3	44.3	44.8	44.8	44.8	44.8	44.9	44.9	45.4	45.4	45.6	46.0
≥ 7000	33.3	43.1	45.6	45.9	46.3	46.3	46.8	46.8	46.8	46.8	47.[illegible]	47.[illegible]	47.5	47.5	47.6	48.1
≥ 6000	35.4	45.4	47.9	48.3	48.7	48.7	49.2	49.2	49.2	49.2	49.4	49.4	49.8	49.8	50.0	50.5
≥ 5000	40.3	50.5	53.0	53.3	53.8	53.8	54.3	54.3	54.3	54.3	54.4	54.4	54.9	54.9	55.1	55.6
≥ 4500	42.2	52.8	55.2	55.6	56.2	56.2	56.7	56.7	56.7	56.7	56.8	56.8	57.3	57.3	57.5	57.9
≥ 4000	47.5	58.9	61.7	62.1	62.7	62.7	63.2	63.2	63.2	63.2	63.3	63.3	63.8	63.8	64.0	64.4
≥ 3500	49.[illegible]	61.1	64.0	64.3	64.9	64.9	65.4	65.4	65.4	65.4	65.6	65.6	66.0	66.0	66.2	66.7
≥ 3000	51.1	64.6	67.8	68.1	68.7	68.9	69.4	69.4	69.4	69.4	69.5	69.5	70.0	70.0	70.2	70.6
≥ 2500	53.5	67.3	71.6	71.[illegible]	71.6	71.7	72.2	72.2	72.2	72.2	72.4	72.4	72.9	72.9	73.0	73.5
≥ 2000	55.2	7[illegible].2	73.5	73.8	74.4	74.6	75.1	75.1	75.1	75.1	75.2	75.2	75.7	75.7	75.9	76.3
≥ 1800	55.4	7[illegible].8	74.1	74.4	75.1	75.2	75.7	75.7	75.7	75.7	75.9	75.9	76.3	76.3	76.5	77.0
≥ 1500	55.7	72.5	75.9	76.2	76.8	77.[illegible]	77.5	77.5	77.5	77.6	77.8	77.8	78.3	78.3	78.4	78.9
≥ 1200	57.5	75.2	78.7	79.5	8[illegible].2	80.3	81.1	81.1	81.1	81.3	81.4	81.4	81.9	81.9	82.1	82.5
≥ 1000	58.3	77.1	80.6	81.9	82.5	82.9	84.0	84.0	84.0	84.1	84.3	84.3	84.8	84.8	84.9	85.4
≥ 900	58.4	77.3	81.0	82.5	83.5	84.1	85.2	85.2	85.2	85.4	85.7	85.7	86.2	86.2	86.3	86.8
≥ 800	58.9	77.8	81.6	83.5	84.6	85.2	86.8	86.8	86.8	87.[illegible]	87.3	87.3	87.8	87.8	87.9	88.4
≥ 700	58.9	77.9	82.1	84.4	85.7	86.5	88.4	88.4	88.4	88.7	89.[illegible]	89.0	89.5	89.5	89.7	90.2
≥ 600	58.9	78.1	82.4	84.9	86.5	87.3	89.4	89.5	89.5	89.8	90.3	90.3	90.8	90.8	91.0	91.4
≥ 500	59.[illegible]	78.3	82.7	85.7	87.5	88.3	90.8	91.0	91.0	91.3	91.7	91.7	92.4	92.4	92.5	93.0
≥ 400	59.[illegible]	78.3	82.7	85.9	88.1	89.2	92.7	92.9	92.9	93.3	94.0	94.0	94.8	94.8	95.1	95.6
≥ 300	59.[illegible]	78.3	82.9	86.2	88.4	89.7	93.3	94.0	94.1	94.6	95.4	95.4	96.3	96.3	96.7	97.1
≥ 200	59.[illegible]	78.4	83.[illegible]	86.3	88.6	89.8	94.[illegible]	94.6	94.8	95.7	96.5	96.5	97.5	97.5	98.3	98.9
≥ 100	59.[illegible]	78.4	83.[illegible]	86.3	88.6	89.8	94.[illegible]	94.6	94.8	95.9	96.7	96.7	97.6	97.6	98.4	99.5
0	59.[illegible]	78.4	83.[illegible]	86.3	88.6	89.8	94.[illegible]	94.6	94.8	95.9	96.7	96.7	97.6	97.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 631

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	35.9	45.1	47.9	48.8	49.3	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	38.6	48.1	50.9	52.0	52.6	52.8	52.9	53.1	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	38.6	48.1	51.9	52.0	52.6	52.8	52.9	53.1	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	38.6	48.1	50.9	52.0	52.6	52.8	52.9	53.1	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	39.6	49.4	52.3	53.4	54.1	54.2	54.4	54.5	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	40.1	49.9	52.8	53.9	54.5	54.7	55.0	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	41.2	51.0	53.9	55.0	55.8	56.0	56.3	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6
≥ 9000	41.2	51.0	53.9	55.0	55.8	56.0	56.3	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6
≥ 8000	42.0	52.1	55.0	56.1	56.9	57.1	57.4	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
≥ 7000	43.7	53.9	56.8	57.9	58.7	58.8	59.1	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5
≥ 6000	47.2	57.4	60.3	61.4	62.2	62.3	62.6	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	5 .6	61.1	63.9	65.0	65.8	66.0	66.3	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
≥ 4500	52.5	63.3	66.1	67.2	68.0	68.2	68.5	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4000	54.8	66.8	69.8	71.0	71.7	71.9	72.2	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3500	56.1	68.4	71.4	72.5	73.3	73.4	73.8	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3000	58.3	71.1	74.4	75.7	76.5	76.6	76.9	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	60.9	74.4	77.7	79.3	80.1	80.3	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	64.4	78.7	82.0	83.6	84.6	84.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800	65.0	79.5	82.8	84.4	85.4	85.5	86.2	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	66.6	82.4	86.2	87.8	88.7	88.9	89.7	89.8	89.8	89.8	9 .0	90.0	90.0	90.0	90.0	90.0
≥ 1200	66.9	83.9	88.7	90.8	91.9	92.1	93.0	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	67.6	85.5	9 .6	93.3	94.4	94.6	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	67.6	85.5	9 .8	94.1	95.4	95.5	96.7	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	67.6	85.5	9 .8	94.8	96.3	96.5	97.6	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	67.6	85.7	9 .9	95.1	96.8	97.1	98.1	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	67.6	85.9	91.1	95.2	97.1	97.3	98.4	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	67.6	85.9	91.1	95.2	97.1	97.3	98.4	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	67.6	85.9	91.1	95.2	97.1	97.3	98.6	99.1	99.	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	67.6	85.9	91.1	95.2	97.1	97.3	98.7	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	67.6	85.9	91.1	95.2	97.1	97.3	98.7	99.2	99.2	99.2	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	67.6	85.9	91.1	95.2	97.1	97.3	98.7	99.2	99.2	99.2	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0	67.6	85.9	91.1	95.2	97.1	97.3	98.7	99.2	99.2	99.2	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 622

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-429 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.8	57.1	57.9	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 20000	52.1	61.1	61.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 18000	52.1	61.1	61.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 16000	52.1	61.1	61.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 14000	53.1	61.4	62.2	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 12000	53.7	62.0	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 10000	55.3	63.8	64.5	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	55.8	64.2	65.1	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	56.1	64.5	65.3	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 7000	58.9	67.2	68.0	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 6000	61.4	71.3	71.9	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 5000	66.9	76.1	76.9	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	69.5	78.9	80.7	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4000	72.7	82.5	83.6	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	76.8	86.8	87.9	88.6	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	80.0	90.3	91.4	92.2	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	82.5	93.0	94.1	95.1	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	84.9	95.4	96.7	97.6	97.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	84.9	95.4	96.7	97.6	98.1	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	85.1	95.9	97.1	98.3	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	85.2	96.0	97.5	98.6	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.4	96.2	97.6	98.7	99.2	99.4	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 -29 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	56.4	62.9	63.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	63.9	60.9	60.9	60.9
≥ 20000	61.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 18000	61.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	62.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 14000	63.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000	63.4	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
≥ 10000	64.5	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 9000	66.3	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 8000	67.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	70.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	74.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000	79.	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4500	81.9	86.8	87.1	87.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4000	84.1	90.1	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3500	86.3	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 3000	88.9	96.1	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	89.8	97.1	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2000	90.6	98.1	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	91.6	98.1	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	91.6	98.1	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	91.8	98.3	98.6	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	91.9	98.6	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	91.9	98.6	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	91.9	98.6	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	90.9	98.3	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	90.9	98.6	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	90.9	98.6	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.9	98.6	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.9	98.6	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.9	98.6	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.9	98.6	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.9	98.6	98.9	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2[illegible]2V (STATION) | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2100 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	59.4	61.[illegible]	61.[illegible]	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	64.1	66.7	66.[illegible]	66.[illegible]	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000	64.3	65.9	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	66.2
≥ 16000	64.3	65.9	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	66.2
≥ 14000	64.8	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	65.6	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	66.5	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 9000	67.1	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 8000	68.9	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 7000	71.9	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000	76.3	78.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 5000	81.9	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4500	84.[illegible]	86.7	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000	86.8	89.8	9[illegible].3	9[illegible].5	9[illegible].6	9[illegible].8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	9[illegible].8
≥ 3500	88.1	91.6	92.1	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000	91.3	96.0	96.7	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500	91.9	97.1	98.[illegible]	98.7	98.9	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	99.0	99.0	99.0	99.0	99.0
≥ 2000	92.1	97.3	98.4	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	92.1	97.3	98.4	99.[illegible]	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	92.1	97.3	98.4	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	92.1	97.3	98.4	99.0	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	92.1	97.3	98.4	99.[illegible]	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	92.1	97.3	98.4	99.[illegible]	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.[illegible]
≥ 800	92.1	97.3	98.4	99.2	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.[illegible]
≥ 700	92.1	97.3	98.4	99.2	99.5	99.[illegible]	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.[illegible]
≥ 600	92.1	97.3	98.4	99.2	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.[illegible]	97.3	98.4	99.2	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.1	97.3	98.4	99.2	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.1	97.3	98.4	99.2	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.1	97.3	98.4	99.2	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.1	97.3	98.4	99.2	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	92.1	97.3	98.4	99.2	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]330

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24	PORTLAND IAP OR	73-79	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 LST-23 LST
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	62.6	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 20000	64.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	64.6	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	64.6	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000	64.8	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 12000	65.9	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.5	68.6
≥ 10000	67.3	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	68.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	72.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	72.7	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	76.8	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000	81.3	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4500	82.2	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000	85.6	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500	87.6	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3000	89.4	95.1	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2500	90.3	96.2	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	90.6	96.8	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	90.8	97.0	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	91.0	97.3	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	91.1	97.8	98.7	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	91.1	97.8	98.7	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	91.1	97.8	98.7	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	91.1	97.8	98.7	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	91.1	97.8	98.7	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	91.1	97.8	98.7	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	91.1	97.8	98.7	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	91.1	97.8	98.7	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	91.1	97.8	98.9	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.1	97.8	98.9	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.1	97.8	98.9	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.1	97.8	98.9	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 636

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 22 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	48.7	54.[illegible]	55.1	55.5	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.9	55.9	55.9	56.[illegible]
≥ 20000	51.1	56.6	57.7	58.1	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.7	58.7	58.7	58.8
≥ 18000	51.2	56.7	57.8	58.3	58.4	58.4	58.5	58.6	58.6	58.6	58.7	58.7	58.8	58.8	58.8	58.9
≥ 16000	51.3	56.7	57.9	58.3	58.4	58.5	58.6	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.9	58.9
≥ 14000	51.9	57.5	58.6	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.5	59.5	59.6	59.6	59.6	59.7
≥ 12000	52.8	58.4	59.6	60.[illegible]	60.2	60.2	60.3	60.3	60.4	60.4	60.5	60.5	60.6	60.6	60.6	60.7
≥ 10000	54.1	59.8	61.[illegible]	61.4	61.6	61.6	61.7	61.7	61.8	61.8	61.9	61.9	62.0	62.0	62.0	62.1
≥ 9000	54.3	60.[illegible]	61.8	62.3	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.9	62.9	62.9	63.0
≥ 8000	55.9	61.8	63.0	63.4	63.6	63.6	63.8	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.1	64.1
≥ 7000	58.4	64.5	65.7	66.[illegible]	66.3	66.3	66.5	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.8	66.8
≥ 6000	61.5	67.8	69.[illegible]	[illegible]9.4	69.6	69.6	69.8	69.8	69.8	69.9	69.9	69.9	7[illegible].0	70.0	70.[illegible]	70.1
≥ 5000	66.2	72.7	73.9	[illegible]4.4	74.6	74.6	74.7	74.7	74.8	74.8	74.9	74.9	75.[illegible]	75.[illegible]	75.[illegible]	75.1
≥ 4500	68.[illegible]	74.7	76.[illegible]	76.4	76.6	76.7	76.8	76.8	76.9	76.9	77.[illegible]	77.[illegible]	77.1	77.1	77.1	77.2
≥ 4000	71.6	78.7	8[illegible].[illegible]	80.5	80.7	80.8	80.9	80.9	81.[illegible]	81.[illegible]	81.1	91.1	81.2	81.2	81.2	81.3
≥ 3500	73.7	81.2	82.6	83.1	83.3	83.4	83.5	83.6	83.6	83.6	83.7	83.7	83.8	83.8	83.8	83.9
≥ 3000	76.2	84.6	85.[illegible]	86.9	87.1	87.2	87.3	87.4	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.7
≥ 2500	77.9	86.7	88.[illegible]	89.3	89.6	89.6	89.8	89.8	89.9	89.9	90.[illegible]	90.0	90.1	90.1	90.1	90.2
≥ 2000	79.3	88.6	9[illegible].[illegible]	91.4	91.6	91.7	91.9	91.9	92.[illegible]	92.[illegible]	92.[illegible]	92.1	92.2	92.2	92.2	92.3
≥ 1800	79.8	89.[illegible]	9[illegible].9	91.8	92.1	92.2	92.4	92.4	92.5	92.5	92.6	92.6	92.7	92.7	92.7	92.8
≥ 1500	8[illegible].[illegible]	90.1	92.1	93.1	93.4	93.5	93.7	93.7	93.8	93.8	93.9	93.9	94.[illegible]	94.[illegible]	94.[illegible]	94.1
≥ 1200	80.4	90.9	93.2	94.3	94.6	94.7	95.[illegible]	95.1	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.5
≥ 1000	80.7	91.4	93.9	95.2	95.5	95.7	96.0	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.4	96.5
≥ 900	8[illegible].7	91.7	94.[illegible]	95.4	95.9	96.0	96.4	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.9
≥ 800	8[illegible].8	91.8	94.3	95.8	96.2	96.4	96.8	96.9	97.0	97.0	97.1	97.1	97.2	97.2	97.3	97.4
≥ 700	8[illegible].9	92.[illegible]	94.[illegible]	96.[illegible]	96.6	96.7	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.8
≥ 600	8[illegible].9	92.1	94.5	96.2	96.8	97.[illegible]	97.5	97.6	97.6	97.7	97.8	97.8	97.9	97.9	98.[illegible]	98.1
≥ 500	8[illegible].9	92.2	94.7	96.3	97.1	97.3	97.9	98.[illegible]	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.5
≥ 400	8[illegible].9	92.2	94.7	96.6	97.3	97.5	98.2	98.4	98.4	98.5	98.6	98.6	98.8	98.8	98.9	99.[illegible]
≥ 300	8[illegible].9	92.3	94.8	96.7	97.4	97.6	98.4	98.6	98.7	98.9	99.[illegible]	99.[illegible]	99.2	99.2	99.3	99.4
≥ 200	8[illegible].9	92.3	94.8	96.7	97.4	97.7	98.5	98.7	98.8	99.[illegible]	99.2	99.2	99.5	99.5	99.6	99.7
≥ 100	8[illegible].9	92.3	94.8	96.7	97.4	97.7	98.5	98.7	98.8	99.1	99.3	99.3	99.6	99.6	99.7	99.9
0	8[illegible].9	92.3	94.8	96.7	97.4	97.7	98.5	98.7	98.8	99.1	99.3	99.3	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5037

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (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	37.2	44.5	45.5	46.9	47.2	47.2	47.4	47.7	47.7	48.0	48.0	48.0	48.1	48.2	48.5	49.1
≥ 20000	8 .6	48.2	49.2	5 .6	5 .9	50.9	51.1	51.4	51.4	51.7	51.7	51.7	51.7	51.7	52.2	52.8
≥ 18000	47.9	48.5	49.5	5 .9	51.2	51.2	51.4	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.5	53.1
≥ 16000	47.9	48.5	49.5	5 .9	51.2	51.2	51.4	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.5	53.1
≥ 14000	48.4	49.1	5 .2	51.5	51.8	51.8	52.	52.3	52.3	52.6	52.6	52.6	52.6	52.6	53.1	53.7
≥ 12000	48.2	50.3	51.4	52.8	53.1	53.1	53.2	53.5	53.5	53.8	53.8	53.8	53.8	53.8	54.3	54.9
≥ 10000	48.1	51.4	52.5	53.8	54.2	54.2	54.3	54.6	54.6	54.9	54.9	54.9	54.9	54.9	55.4	56.0
≥ 9000	48.7	52.5	53.5	54.9	55.2	55.2	55.4	55.7	55.7	56.	56.	56.0	56.0	56.0	56.5	57.1
≥ 8000	48.1	54.0	55.1	56.5	56.8	56.8	56.9	57.2	57.2	57.5	57.5	57.5	57.5	57.5	58.0	58.6
≥ 7000	47.5	57.1	58.2	59.5	59.8	59.8	60.0	60.3	60.3	60.6	60.6	60.6	60.6	60.6	61.1	61.7
≥ 6000	5 .	60.2	61.5	62.9	63.2	63.2	63.4	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.5	65.1
≥ 5000	52.6	63.5	64.9	66.3	66.6	66.6	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.8	68.5
≥ 4500	55.3	66.9	68.3	70.0	70.3	70.3	70.5	70.8	70.8	71.1	71.1	71.1	71.1	71.1	71.5	72.2
≥ 4000	57.8	72.6	74.	75.7	76.0	76.0	76.2	76.5	76.5	76.8	76.8	76.8	76.8	76.8	77.2	77.8
≥ 3500	63.7	76.2	77.5	79.2	79.5	79.5	79.7	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.8	81.4
≥ 3000	66.3	79.8	81.2	83.1	83.4	83.4	83.7	84.0	84.	84.3	84.3	84.3	84.3	84.3	84.8	85.4
≥ 2500	68.1	82.3	84.5	86.3	86.6	86.6	86.9	87.2	87.2	87.5	87.5	87.5	87.5	87.5	88.0	88.6
≥ 2000	69.1	84.5	86.9	88.9	89.4	89.4	89.7	90.0	90.0	91.3	90.3	90.3	90.3	90.3	90.8	91.4
≥ 1800	69.2	84.8	87.5	89.7	90.2	90.2	91.5	90.8	91.8	91.1	91.1	91.1	91.1	91.1	91.5	92.2
≥ 1500	69.2	85.7	88.6	90.9	91.5	91.5	91.8	92.2	92.2	92.8	92.8	92.8	92.8	92.8	93.2	93.8
≥ 1200	69.4	86.8	89.7	92.2	92.8	92.8	93.1	93.4	93.4	94.0	94.	94.0	94.0	94.0	94.5	95.1
≥ 1000	69.4	86.9	89.8	92.5	93.1	93.1	93.4	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.8	95.4
≥ 900	69.4	86.9	9 .1	92.6	93.4	93.4	93.7	94.0	94.0	94.6	94.6	94.6	94.6	94.6	95.1	95.7
≥ 800	69.4	87.1	9 .2	92.9	93.7	93.7	94.	94.3	94.3	94.9	94.9	94.9	94.9	94.9	95.4	96.0
≥ 700	69.4	87.1	9 .2	92.9	93.7	93.7	94.1	94.3	94.3	94.9	94.9	94.9	95.1	95.1	95.5	96.2
≥ 600	69.4	87.5	9 .6	93.4	94.2	94.2	94.5	94.8	94.8	95.4	95.4	95.4	95.5	95.5	96.0	96.8
≥ 500	69.4	87.7	90.8	94.1	95.2	95.2	95.5	95.8	95.8	96.5	96.5	96.5	96.6	96.6	97.1	97.8
≥ 400	69.4	87.7	90.8	94.2	95.4	95.4	95.7	96.3	96.3	96.9	96.9	96.9	97.1	97.1	97.5	98.3
≥ 300	69.4	87.7	90.8	94.2	95.4	95.4	95.7	96.3	96.3	97.1	97.1	97.1	97.2	97.2	97.8	98.6
≥ 200	69.4	87.7	90.8	94.2	95.4	95.4	95.8	96.6	96.6	97.4	97.4	97.4	97.5	97.5	98.3	99.2
≥ 100	69.4	87.7	90.8	94.2	95.4	95.4	95.8	96.6	96.6	97.4	97.4	97.4	97.7	97.7	98.5	99.7
≥ 0	69.4	87.7	90.8	94.2	95.4	95.4	95.8	96.6	96.6	97.4	97.4	97.4	97.7	97.7	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 650

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 32V (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	28.9	33.8	34.6	36.3	37.1	37.1	37.2	37.5	37.5	37.8	38.2	38.2	38.5	38.5	38.9	39.5
≥ 20000	3 .3	36.	36.8	38.2	39.4	39.4	40.0	40.3	40.3	40.6	40.9	40.9	41.4	41.4	41.8	42.5
≥ 18000	3 .6	36.2	36.9	38.3	39.5	39.5	40.2	40.5	40.5	40.8	41.1	41.1	41.5	41.5	42.0	42.6
≥ 16000	3 .6	36.2	36.9	38.3	39.5	39.5	40.2	40.5	40.5	40.8	41.1	41.1	41.5	41.5	42.0	42.6
≥ 14000	31.3	37.2	38.1	39.4	40.6	40.6	41.2	41.5	41.5	41.8	42.2	42.2	42.6	42.6	43.1	43.7
≥ 12000	32.6	38.8	39.5	40.9	42.2	42.2	42.8	43.1	43.1	43.4	43.7	43.7	44.3	44.3	44.8	45.4
≥ 10000	33.8	40.1	40.8	42.2	43.4	43.4	44.1	44.3	44.3	44.6	44.9	44.9	45.5	45.5	46.1	46.6
≥ 9000	34.6	41.1	41.8	43.2	44.5	44.5	45.1	45.4	45.4	45.7	46.1	46.1	46.6	46.6	47.1	47.7
≥ 8000	34.8	41.5	42.3	43.7	44.9	44.9	45.5	45.8	45.8	46.2	46.5	46.5	47.1	47.1	47.5	48.2
≥ 7000	36.8	44.0	44.9	46.3	47.5	47.5	48.2	48.5	48.5	48.8	49.1	49.1	49.7	49.7	50.2	50.8
≥ 6000	39.4	47.1	48.3	49.7	50.9	50.9	51.5	51.8	51.8	52.2	52.5	52.5	53.1	53.1	53.5	54.1
≥ 5000	42.6	5 .5	51.7	53.1	54.3	54.3	54.9	55.2	55.2	55.5	55.8	55.8	56.5	56.5	56.9	57.8
≥ 4500	46.2	54.9	56.2	57.5	58.8	58.8	59.4	59.7	59.7	60.0	60.3	60.3	60.9	60.9	61.4	62.3
≥ 4000	49.8	59.8	61.2	62.6	63.8	63.8	64.5	64.8	64.8	65.1	65.4	65.4	66.0	66.0	66.5	67.4
≥ 3500	52.1	63.2	64.6	66.1	67.2	67.2	67.8	68.2	68.2	68.5	68.8	68.8	69.4	69.4	69.8	70.8
≥ 3000	55.1	67.4	68.9	7 .3	71.5	71.5	72.3	72.6	72.6	72.9	73.2	73.2	73.8	73.8	74.3	75.2
≥ 2500	57.4	70.9	72.6	74.1	75.2	75.2	76.0	76.3	76.1	76.6	76.9	76.9	77.5	77.5	78.0	78.9
≥ 2000	57.7	72.5	74.6	76.1	77.4	77.4	78.2	78.5	78.5	78.8	79.1	79.1	79.7	79.7	80.3	81.2
≥ 1800	57.7	72.8	75.1	76.6	78.0	78.0	78.9	79.2	79.2	79.5	79.8	79.8	8 .5	80.5	81.1	82.0
≥ 1500	58.5	74.2	76.6	78.5	80.0	80.0	81.1	81.4	81.4	81.7	82.1	82.1	82.6	82.6	83.2	84.2
≥ 1200	59.1	75.4	78.1	80.2	81.7	81.7	82.9	83.2	83.2	83.5	83.8	83.8	84.5	84.5	85.1	86.1
≥ 1000	59.2	76.5	79.2	81.7	83.2	83.2	84.5	84.9	84.9	85.2	85.7	85.7	86.3	86.3	86.9	87.8
≥ 900	59.2	76.5	79.4	81.8	83.4	83.4	84.6	85.1	85.1	85.4	85.8	85.8	86.5	86.5	87.1	88.0
≥ 800	59.2	76.8	8 .3	82.9	84.6	84.6	85.8	86.3	86.3	86.6	87.1	87.1	87.7	87.7	88.3	89.2
≥ 700	59.2	76.8	8 .5	83.7	85.5	85.5	86.8	87.2	87.2	87.5	88.1	88.0	88.6	88.6	89.2	90.2
≥ 600	59.2	77.1	80.6	84.3	86.3	86.3	87.5	88.1	88.1	88.3	88.8	88.8	89.4	89.4	90.0	90.9
≥ 500	59.2	77.4	81.1	85.1	87.2	87.2	88.5	89.1	89.1	89.4	89.8	89.8	90.5	90.5	91.1	92.0
≥ 400	59.2	77.4	81.1	85.2	87.4	87.4	88.8	89.4	89.4	89.7	90.3	90.3	90.9	90.9	92.0	92.9
≥ 300	59.2	77.4	81.1	85.4	87.7	87.7	89.1	89.8	89.8	90.3	90.9	91.1	91.8	91.8	93.4	94.6
≥ 200	59.2	77.4	81.1	85.5	87.8	87.8	89.2	90.2	90.3	91.4	92.1	92.2	93.8	93.9	95.4	97.2
≥ 100	59.2	77.4	81.1	85.5	87.8	87.8	89.2	90.3	90.5	91.7	92.5	92.6	94.3	94.3	96.2	99.2
0	59.2	77.4	81.1	85.5	87.8	87.8	89.2	90.3	90.5	91.7	92.5	92.6	94.0	94.0	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 650

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible]-[illegible] (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	25.2	26.3	28.1	28.9	28.9	29.2	29.5	29.5	30.1	30.4	30.4	31.9	30.9	32.0	32.6
≥ 20000	22.[illegible]	27.3	28.6	3[illegible].6	31.3	31.3	31.6	32.0	32.0	32.6	32.9	32.9	33.3	33.3	34.4	35.2
≥ 18000	22.7	27.5	28.7	3[illegible].7	31.5	31.5	31.8	32.1	32.1	32.7	33.0	33.0	33.5	33.5	34.6	35.3
≥ 16000	22.9	27.6	28.9	3[illegible].9	31.6	31.6	32.[illegible]	32.3	32.3	32.9	33.2	33.2	33.6	33.6	34.7	35.5
≥ 14000	24.7	29.9	31.[illegible]	32.7	33.5	33.5	33.8	34.1	34.1	34.7	35.0	35.0	35.5	35.5	36.6	37.5
≥ 12000	26.3	31.3	32.6	34.6	35.3	35.3	35.6	35.9	35.9	36.7	37.[illegible]	37.[illegible]	37.5	37.5	38.6	39.5
≥ 10000	27.3	32.4	33.8	35.8	36.6	36.6	36.9	37.2	37.2	37.9	38.2	38.2	38.7	38.7	39.8	40.7
≥ 9000	28.6	33.6	35.[illegible]	37.0	37.8	37.8	38.1	38.4	38.4	39.2	39.5	39.5	39.9	39.9	41.0	41.9
≥ 8000	29.3	34.4	35.8	37.8	38.6	38.6	38.9	39.2	39.2	39.9	40.2	40.2	40.7	40.7	41.8	42.7
≥ 7000	31.[illegible]	36.7	38.1	40.1	40.9	40.9	41.2	41.5	41.5	42.2	42.5	42.5	43.[illegible]	43.[illegible]	44.1	45.[illegible]
≥ 6000	33.3	38.6	40.2	42.2	43.0	43.0	43.3	43.6	43.6	44.4	44.7	44.7	45.2	45.2	46.2	47.2
≥ 5000	37.8	44.1	45.8	47.8	48.7	48.7	49.0	49.3	49.3	50.1	50.4	50.4	50.8	50.8	51.9	52.8
≥ 4500	39.6	46.4	48.2	5[illegible].4	51.3	5[illegible].3	51.6	51.9	51.9	52.7	53.0	53.0	53.5	53.5	54.5	55.5
≥ 4000	42.[illegible]	49.6	51.6	53.8	54.7	54.7	55.[illegible]	55.3	55.3	56.1	56.4	56.4	56.8	56.8	57.9	58.8
≥ 3500	44.7	52.1	54.1	56.4	57.3	57.3	57.6	57.9	57.9	58.7	59.0	59.0	59.4	59.4	60.5	61.4
≥ 3000	46.4	55.1	57.3	59.9	61.1	61.1	61.4	61.8	61.8	62.5	62.8	62.8	63.3	63.3	64.4	65.3
≥ 2500	47.9	57.3	59.8	62.8	64.1	64.1	64.4	64.7	64.8	65.6	65.9	65.9	66.4	66.4	67.4	68.4
≥ 2000	48.4	58.4	61.[illegible]	63.9	65.4	65.4	65.7	66.1	66.2	67.[illegible]	67.3	67.3	67.7	67.7	68.8	69.7
≥ 1800	48.4	58.7	61.1	64.5	66.1	66.1	66.4	66.7	66.8	67.6	67.9	67.9	68.4	68.4	69.4	70.4
≥ 1500	48.4	59.4	62.[illegible]	66.8	68.5	68.5	69.0	69.4	69.6	70.4	70.7	70.7	71.1	71.1	72.2	73.1
≥ 1200	48.8	61.[illegible]	64.7	69.3	71.1	71.1	72.0	72.7	72.8	73.6	73.9	73.9	74.3	74.3	75.4	76.3
≥ 1000	48.8	62.1	65.4	70.2	72.0	72.2	73.1	73.9	74.0	75.1	75.4	75.4	75.9	75.9	77.0	77.9
≥ 900	49.[illegible]	62.4	65.9	7[illegible].8	73.0	73.4	74.5	75.3	75.4	76.5	76.8	76.8	77.3	77.3	78.3	79.4
≥ 800	49.[illegible]	62.4	65.9	7[illegible].8	73.2	73.4	75.0	75.9	75.0	77.3	77.6	77.6	78.0	78.[illegible]	79.1	80.2
≥ 700	49.[illegible]	62.5	66.8	71.7	74.3	75.[illegible]	76.8	77.9	78.0	79.4	79.7	79.7	80.2	80.2	81.3	82.3
≥ 600	49.2	63.3	67.7	72.8	75.6	76.5	78.6	8[illegible].0	80.2	81.7	82.2	82.2	82.6	82.6	83.7	84.8
≥ 500	49.3	63.[illegible]	68.2	73.7	76.5	77.4	8[illegible].0	81.9	82.[illegible]	83.7	84.3	84.3	84.9	84.9	86.0	87.1
≥ 400	49.2	63.[illegible]	68.4	74.2	77.1	78.[illegible]	8[illegible].8	82.8	82.9	84.9	85.9	85.9	86.8	86.8	87.9	88.9
≥ 300	49.2	63.[illegible]	68.4	74.3	77.4	78.5	81.6	84.[illegible]	84.2	86.2	87.3	87.3	88.9	89.1	91.1	92.3
≥ 200	49.3	63.[illegible]	68.4	74.3	77.7	78.8	81.9	84.5	84.6	86.9	88.8	88.8	90.9	91.1	93.4	95.9
≥ 100	49.2	63.[illegible]	68.4	74.3	77.7	78.8	81.9	84.5	84.6	87.3	89.4	89.4	91.7	91.9	94.5	99.2
≥ 0	49.2	63.[illegible]	68.4	74.3	77.7	78.8	81.9	84.5	84.6	87.3	89.4	89.4	91.7	91.9	94.6	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[redacted] HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	33.2	35.2	36.7	38.4	38.6	38.9	39.0	39.0	39.0	39.0	39.0	39.2	39.2	39.6	39.6
≥ 20000	[illegible]	36.4	38.4	39.9	41.9	42.2	42.5	42.7	42.7	42.7	42.7	42.7	42.9	42.9	43.5	43.5
≥ 18000	[illegible]	36.4	38.4	39.9	41.9	42.2	42.5	42.7	42.7	42.7	42.7	42.7	42.9	42.9	43.5	43.5
≥ 16000	[illegible]	36.6	38.6	40.1	42.1	42.4	42.7	42.9	42.9	42.9	42.9	42.9	43.0	43.0	43.6	43.6
≥ 14000	[illegible]	37.[illegible]	39.[illegible]	41.6	42.5	42.9	43.2	43.3	43.3	43.3	43.3	43.3	43.6	43.6	44.2	44.2
≥ 12000	[illegible]	38.1	40.1	41.6	43.6	43.9	44.2	44.4	44.4	44.4	44.4	44.4	44.7	44.7	45.3	45.3
≥ 10000	[illegible]	41.2	42.2	43.9	45.9	46.2	46.5	46.7	46.7	46.7	46.7	46.7	47.0	47.0	47.6	47.6
≥ 9000	[illegible]	41.3	43.3	45.[illegible]	47.0	47.3	47.6	47.8	47.8	47.8	47.8	47.8	48.1	48.1	48.7	48.7
≥ 8000	32.3	42.4	44.4	46.1	48.1	48.4	48.7	48.8	48.8	48.8	48.8	48.8	49.2	49.2	49.8	49.8
≥ 7000	33.3	43.6	45.6	47.3	49.3	49.6	50.1	50.2	50.2	50.2	50.2	50.2	50.5	50.5	51.2	51.2
≥ 6000	35.5	46.4	48.4	50.1	52.1	52.4	52.8	53.0	53.0	53.0	53.0	53.1	53.3	53.3	53.9	53.9
≥ 5000	40.7	51.9	53.9	55.8	57.8	58.1	58.5	58.7	58.7	58.7	58.7	58.7	59.0	59.0	59.6	59.6
≥ 4500	42.1	53.8	55.8	57.6	59.6	59.9	60.4	60.5	60.5	60.5	60.5	60.5	61.8	60.8	61.4	61.4
≥ 4000	45.8	58.2	61.7	62.7	65.0	65.3	65.7	65.9	65.9	65.9	65.9	65.9	66.2	66.2	66.8	66.8
≥ 3500	47.6	6[illegible].2	62.7	64.7	67.[illegible]	67.3	67.7	67.9	67.9	67.9	67.9	67.9	68.2	68.2	68.8	68.8
≥ 3000	49.5	62.9	65.[illegible]	67.[illegible]	69.4	69.9	70.4	70.5	70.5	70.5	70.5	70.5	70.8	70.8	71.4	71.4
≥ 2500	5[illegible].8	64.4	67.[illegible]	69.3	71.7	72.2	72.7	72.8	73.0	73.0	73.0	73.0	73.3	73.3	73.9	73.9
≥ 2000	51.9	66.[illegible]	68.7	71.[illegible]	73.6	74.[illegible]	74.5	74.7	74.8	74.8	74.8	74.8	75.1	75.1	75.7	75.7
≥ 1800	52.4	67.3	70.[illegible]	72.7	75.1	75.6	76.[illegible]	76.2	76.3	76.3	76.3	76.3	76.7	76.7	77.3	77.3
≥ 1500	52.8	69.1	72.[illegible]	75.[illegible]	77.7	78.3	78.8	79.[illegible]	79.1	79.1	79.1	79.1	79.4	79.4	80.0	80.0
≥ 1200	53.8	71.1	74.7	77.7	80.5	81.3	82.[illegible]	82.2	82.3	82.5	82.5	82.5	82.8	82.8	83.4	83.4
≥ 1000	54.7	72.8	77.[illegible]	80.3	83.1	83.9	85.[illegible]	85.3	85.4	85.7	85.7	85.7	86.0	86.[illegible]	86.6	86.6
≥ 900	54.7	73.3	77.7	81.4	84.2	84.9	86.5	86.8	86.9	87.4	87.4	87.4	87.7	87.7	88.3	88.3
≥ 800	54.8	73.7	78.5	82.5	85.3	86.[illegible]	87.9	88.6	89.1	89.6	89.6	89.6	89.9	89.9	90.5	90.5
≥ 700	55.[illegible]	74.[illegible]	79.[illegible]	83.3	86.[illegible]	86.8	88.8	89.7	90.3	91.4	91.4	91.4	91.7	91.7	92.3	92.3
≥ 600	55.[illegible]	74.[illegible]	79.[illegible]	83.4	86.2	86.9	89.2	90.6	91.2	92.3	92.3	92.3	92.6	92.6	93.2	93.2
≥ 500	55.1	74.2	79.1	83.7	86.5	87.4	91.3	92.3	93.2	94.6	94.6	94.6	94.9	94.9	95.5	95.5
≥ 400	55.1	74.2	79.1	83.7	86.5	87.4	91.5	92.8	93.7	95.7	96.0	96.0	96.3	96.3	96.9	96.9
≥ 300	55.1	74.2	79.1	83.9	86.6	87.6	91.6	93.5	94.8	97.1	97.8	97.8	98.2	98.2	98.8	98.8
≥ 200	55.1	74.2	79.1	83.9	86.9	87.9	92.9	93.9	95.1	97.4	98.5	98.5	98.9	98.9	99.8	99.8
≥ 100	55.1	74.2	79.1	83.9	86.9	87.9	92.9	93.9	95.1	97.4	98.5	98.5	98.9	98.9	100.0	100.0
≥ 0	55.1	74.2	79.1	83.9	86.9	87.9	92.9	93.9	95.1	97.4	98.5	98.5	98.9	98.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	36.	43.7	45.1	47.2	47.7	47.8	49.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	38.8	47.1	48.8	51.1	51.5	51.7	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 18000	38.9	47.4	49.1	51.4	51.8	52.0	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 16000	39.4	47.8	49.5	51.8	52.3	52.5	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	40.3	48.8	50.6	52.9	53.4	53.5	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	41.3	50.3	52.2	54.5	54.9	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	44.8	53.5	55.4	57.7	58.2	58.3	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 9000	46.5	54.3	56.2	58.5	58.9	59.1	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 8000	46.8	55.7	57.5	59.8	60.3	60.6	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 7000	48.2	57.4	59.3	61.7	62.2	62.5	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 6000	51.1	6 .3	62.2	64.6	65.1	65.4	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 5000	55.8	65.5	67.5	7 .3	71.5	70.8	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	56.	67.8	69.8	72.3	72.8	73.1	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	62.3	73.4	75.7	78.2	78.6	78.9	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	65.1	76.8	79.1	81.5	82.0	82.3	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	67.7	79.8	82.5	84.9	85.4	85.7	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	69.8	82.9	85.5	88.0	88.6	88.9	9 .0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000	71.7	86.0	89.1	91.8	92.5	92.9	94.	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800	71.8	86.3	89.5	92.3	92.9	93.5	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500	72.0	87.4	90.6	93.5	94.2	94.8	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	72.3	88.3	91.5	94.8	95.4	96.3	97.5	98.0	98.0	98.0	98.0	98.0	98.1	98.0	98.0	98.0
≥ 1000	72.5	88.6	91.8	95.1	95.7	96.6	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	72.5	88.8	92.	95.2	95.8	96.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	72.5	88.8	92.	95.2	95.8	96.8	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	72.5	88.8	92.	95.2	95.8	96.8	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	72.5	88.8	92.	95.2	95.8	96.8	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	72.5	88.8	92.1	95.2	95.8	96.8	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	72.5	88.8	92.1	95.4	96.0	96.9	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	72.5	88.8	92.0	95.4	96.0	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	72.5	88.8	92.0	95.4	96.0	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	72.5	88.8	92.0	95.4	96.0	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	72.5	88.8	92.0	95.4	96.0	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 951

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] PORTLAND IAP OR 73-79 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥5	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	44.2	49.9	51.[illegible]	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	51.8	51.8	50.8	50.8
≥ 20000	48.4	54.4	54.7	55.8	55.8	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 18000	48.5	54.5	54.8	55.9	55.9	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	48.8	54.8	55.1	56.2	56.2	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000	51.6	57.8	58.1	59.1	59.1	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	53.8	60.1	61.4	61.4	61.4	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	55.1	61.9	62.3	63.3	63.3	63.6	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 9000	55.6	62.5	62.8	63.9	63.9	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	57.3	64.5	65.0	66.4	66.4	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	59.3	66.8	67.3	68.7	68.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 6000	63.1	71.8	71.3	72.7	72.7	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 5000	68.4	77.[illegible]	77.4	78.8	78.8	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500	71.6	81.[illegible]	81.4	82.8	82.8	83.1	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000	75.[illegible]	85.6	86.2	87.6	87.6	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3500	77.[illegible]	88.[illegible]	88.6	9[illegible].[illegible]	90.[illegible]	90.3	90.8	90.[illegible]	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3000	78.8	90.3	90.9	92.3	92.3	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2500	79.6	91.9	92.6	94.0	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	80.3	92.5	93.4	95.1	95.5	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800	80.9	93.4	94.3	96.0	96.5	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	8[illegible].6	94.3	95.2	96.9	97.4	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	8[illegible].6	94.5	95.4	97.4	97.8	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	8[illegible].6	94.5	95.4	97.4	98.[illegible]	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	8[illegible].6	94.5	95.4	97.4	98.[illegible]	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	8[illegible].6	94.5	95.4	97.4	98.[illegible]	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	80.6	94.5	95.4	97.4	98.[illegible]	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	80.6	94.5	95.4	97.4	98.3	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	80.6	94.5	95.4	97.4	98.3	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	80.8	94.5	95.4	97.4	98.3	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	80.8	94.5	95.4	97.4	98.3	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8[illegible].6	94.5	95.4	97.4	98.3	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8[illegible].6	94.5	95.4	97.4	98.3	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	8[illegible].6	94.5	95.4	97.4	98.3	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]51

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 29 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.0	53.1	54.4	55.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	49.1	54.4	54.7	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000	49.1	54.4	54.7	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 16000	49.1	54.4	54.7	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	49.2	54.5	54.8	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000	51.2	57.0	57.5	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
≥ 10000	53.6	59.6	60.1	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	54.4	60.7	61.1	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 8000	55.6	62.2	62.7	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 7000	58.1	65.1	65.7	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	62.4	69.7	70.4	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	66.1	73.9	74.5	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4500	77.4	79.1	79.7	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4000	78.3	84.9	85.7	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500	75.3	86.9	87.7	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	78.2	90.9	92.2	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	78.8	92.8	94.0	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	79.1	93.9	95.4	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	79.1	93.9	95.4	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	79.3	94.3	95.9	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	79.6	95.4	97.2	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	79.6	95.7	97.5	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	79.6	95.9	97.8	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	79.6	95.9	97.8	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	79.6	95.9	98.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	79.6	95.9	98.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	79.6	95.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	79.6	95.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	79.6	95.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	79.6	95.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	79.6	95.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	79.6	95.9	98.2	99.4	99.7	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 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229	PORTLAND IAP OR	73-79	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	45.3	5 .7	51.0	52.1	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.7	52.7	52.7	52.7
≥ 20000	48.1	54.2	54.5	55.6	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2
≥ 18000	48.1	54.2	54.5	55.6	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2
≥ 16000	48.1	54.2	54.5	55.6	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2
≥ 14000	48.4	54.5	54.8	55.9	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5
≥ 12000	49.3	56.2	56.5	57.6	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2
≥ 10000	51.2	57.8	58.1	59.1	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.8	59.8	59.8	59.8
≥ 9000	52.5	59.8	60.1	61.1	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.8	61.8	61.8	61.8
≥ 8000	53.1	60.8	61.3	62.4	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.0	63.0
≥ 7000	55.	63.0	63.4	64.5	64.8	64.8	64.8	65.0	65.0	65.0	65.	65.	65.1	65.1	65.1	65.1
≥ 6000	57.5	65.7	66.2	67.4	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	68.0	68.	69.0	68.0
≥ 5000	6 .1	69.1	69.6	7 .8	71.1	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4
≥ 4500	63.9	73.6	74.	75.4	75.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.
≥ 4000	69.	79.7	8 .3	81.6	81.9	81.9	81.9	82.	82.	82.0	82.0	82.0	82.2	82.2	82.2	82.2
≥ 3500	72.2	83.7	84.2	85.7	86.	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3
≥ 3000	76.3	88.6	89.1	9 .9	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6
≥ 2500	77.3	90.6	91.2	93.1	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7
≥ 2000	79.1	92.4	94.3	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8
≥ 1800	79.3	93.2	94.6	96.5	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
≥ 1500	79.1	93.5	94.9	96.8	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
≥ 1200	79.7	94.3	95.7	98.0	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8
≥ 1000	79.9	94.9	96.3	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4
≥ 900	79.9	95.1	96.5	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 800	79.9	95.1	96.5	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 700	79.9	95.2	96.6	98.9	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7
≥ 600	79.9	95.4	96.8	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 500	79.9	95.4	96.8	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 400	79.9	95.4	96.8	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 300	79.9	95.4	96.8	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 200	79.9	95.4	96.8	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100	79.9	95.4	96.8	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 0	79.9	95.4	96.8	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	35.4	41.4	42.3	43.6	44.1	44.2	44.4	44.6	44.6	44.7	44.8	44.8	44.9	44.9	45.2	45.5
≥ 20000	38.1	44.7	45.7	47.1	47.8	47.8	48.1	48.3	48.3	48.4	48.5	48.5	48.7	48.7	49.0	49.2
≥ 18000	38.2	44.9	45.8	47.3	47.9	48.0	48.2	48.4	48.4	48.6	48.6	48.6	48.8	48.8	49.1	49.4
≥ 16000	38.3	45.	46.0	47.4	48.0	48.1	48.4	48.5	48.5	48.7	48.8	48.8	48.9	48.9	49.3	49.5
≥ 14000	39.3	46.1	47.	48.5	49.1	49.2	49.4	49.6	49.6	49.8	49.8	49.8	50.0	50.0	50.3	50.6
≥ 12000	41.8	47.8	48.8	50.2	50.8	50.9	51.2	51.3	51.3	51.5	51.6	51.6	51.8	51.8	52.1	52.4
≥ 10000	42.4	49.6	50.6	52.1	52.7	52.8	53.1	53.3	53.3	53.4	53.5	53.5	53.7	53.7	54.0	54.3
≥ 9000	43.3	50.7	51.7	53.2	53.8	53.9	54.2	54.4	54.4	54.6	54.6	54.6	54.8	54.8	55.2	55.4
≥ 8000	44.3	52.4	53.4	54.5	55.1	55.3	55.6	55.8	55.8	55.9	56.	56.0	56.2	56.2	56.5	56.8
≥ 7000	46.2	54.2	55.3	56.8	57.5	57.6	57.9	58.1	58.1	58.3	58.4	58.4	58.6	58.6	58.9	59.2
≥ 6000	49.0	57.3	58.6	60.1	60.7	60.9	61.2	61.4	61.4	61.6	61.6	61.6	61.8	61.8	62.2	62.4
≥ 5000	53.4	61.9	63.2	64.7	65.4	65.5	65.9	66.0	66.1	66.2	66.3	66.3	66.5	66.5	66.8	67.1
≥ 4500	55.9	65.4	66.7	68.3	69.0	69.1	69.5	69.6	69.6	69.8	69.9	69.9	70.1	70.1	70.4	70.7
≥ 4000	58.1	70.5	71.9	73.6	74.3	74.4	74.8	74.9	74.9	75.1	75.2	75.2	75.4	75.4	75.7	76.0
≥ 3500	62.2	73.4	74.8	76.5	77.2	77.3	77.7	77.9	77.9	78.0	78.1	78.1	78.3	78.3	78.6	78.9
≥ 3000	64.7	76.8	78.4	80.2	81.0	81.1	81.5	81.7	81.7	81.8	81.9	81.9	82.1	82.1	82.4	82.7
≥ 2500	66.2	79.1	80.9	82.8	83.7	83.8	84.2	84.4	84.4	84.6	84.7	84.7	84.9	84.9	85.2	85.5
≥ 2000	67.1	80.8	82.9	84.9	85.9	86.1	86.5	86.7	86.7	86.9	87.0	87.0	87.2	87.2	87.5	87.8
≥ 1800	67.3	81.3	83.5	85.6	86.6	86.8	87.2	87.4	87.5	87.6	87.7	87.7	87.9	87.9	88.2	88.5
≥ 1500	67.5	81.2	84.6	86.9	88.0	88.2	88.7	89.0	89.1	89.2	89.3	89.3	89.5	89.5	89.8	90.1
≥ 1200	67.9	83.4	85.9	88.5	89.5	89.9	90.5	90.8	90.8	91.0	91.1	91.1	91.3	91.3	91.6	92.0
≥ 1000	68.1	84.0	86.6	89.3	90.4	90.8	91.5	91.8	91.8	92.1	92.2	92.2	92.4	92.4	92.7	93.0
≥ 900	68.1	84.1	86.8	89.6	90.8	91.2	91.9	92.3	92.3	92.6	92.7	92.7	92.9	92.9	93.3	93.6
≥ 800	68.1	84.3	87.1	90.0	91.1	91.5	92.4	92.9	92.9	93.3	93.4	93.4	93.6	93.6	93.9	94.2
≥ 700	68.1	84.3	87.3	90.3	91.5	92.0	92.9	93.5	93.6	94.0	94.1	94.1	94.3	94.3	94.6	95.0
≥ 600	68.2	84.5	87.5	90.6	91.9	92.4	93.4	94.1	94.2	94.6	94.7	94.7	94.9	94.9	95.3	95.6
≥ 500	68.2	84.6	87.7	91.0	92.4	92.8	94.0	94.8	95.0	95.5	95.6	95.6	95.8	95.8	96.2	96.5
≥ 400	68.2	84.6	87.7	91.1	92.5	93.0	94.2	95.1	95.3	95.9	96.1	96.1	96.4	96.4	96.8	97.1
≥ 300	68.2	84.6	87.7	91.1	92.6	93.1	94.4	95.4	95.6	96.3	96.6	96.6	97.0	97.0	97.6	98.0
≥ 200	68.2	84.6	87.7	91.2	92.7	93.2	94.5	95.6	95.8	96.6	97.1	97.1	97.6	97.6	98.4	99.0
≥ 100	68.2	84.6	87.7	91.2	92.7	93.2	94.5	95.6	95.8	96.7	97.2	97.2	97.8	97.8	98.6	99.8
≥ 0	68.2	84.6	87.7	91.2	92.7	93.2	94.5	95.6	95.8	96.7	97.2	97.2	97.8	97.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5205

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible]-[illegible] HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	24.3	26.3	26.8	27.3	27.9	27.9	28.4	26.6	28.7	29.0	29.0	29.0	29.7	29.7	30.2	30.8
≥ 20000	27.1	29.2	29.7	30.2	30.8	30.8	31.3	31.4	31.6	31.9	31.9	31.9	32.5	32.5	33.0	33.7
≥ 18000	27.6	29.7	30.3	30.8	31.4	31.4	31.9	32.1	32.2	32.5	32.5	32.5	33.3	33.3	34.0	34.6
≥ 16000	27.6	29.7	30.3	30.8	31.4	31.4	31.9	32.1	32.2	32.7	32.7	32.7	33.5	33.5	34.1	34.8
≥ 14000	28.9	31.1	31.6	32.1	32.7	32.7	33.2	33.3	33.5	34.1	34.1	34.1	34.8	34.8	35.4	36.0
≥ 12000	29.7	31.7	32.4	32.9	33.5	33.5	34.1	34.1	34.3	34.8	34.8	34.8	35.6	35.6	36.2	36.8
≥ 10000	30.3	32.7	33.3	34.0	34.6	34.6	35.1	35.2	35.4	35.9	35.9	35.9	36.7	36.7	37.3	37.9
≥ 9000	31.0	33.3	34.0	34.6	35.2	35.2	35.7	35.9	36.1	36.5	36.5	36.5	37.3	37.3	37.9	38.6
≥ 8000	32.2	34.8	35.4	36.0	36.7	36.7	37.1	37.3	37.5	37.9	37.9	37.9	38.7	38.7	39.4	40.1
≥ 7000	35.7	38.7	39.4	40.2	40.8	40.8	41.3	41.4	41.9	42.4	42.4	42.4	43.2	43.2	43.8	44.4
≥ 6000	39.7	42.1	42.7	43.5	44.1	44.1	44.6	44.8	45.2	45.7	45.7	45.7	46.5	46.5	47.1	47.8
≥ 5000	41.3	45.4	46.1	46.8	47.5	47.5	47.9	48.1	48.6	49.1	49.2	49.2	50.1	50.1	50.6	51.3
≥ 4500	44.1	48.9	49.5	50.3	51.0	51.0	51.4	51.6	52.2	52.7	52.9	52.9	53.7	53.7	54.3	54.9
≥ 4000	48.1	54.3	55.1	55.9	56.7	56.7	57.1	57.3	58.1	58.7	58.9	58.9	59.7	59.7	60.3	61.0
≥ 3500	50.6	57.9	58.7	59.5	60.3	60.3	60.8	61.1	61.9	62.5	62.7	62.7	63.5	63.5	64.1	64.8
≥ 3000	55.7	64.9	65.6	66.3	67.1	67.1	67.6	67.9	68.7	69.4	69.5	69.5	70.3	70.3	71.0	71.6
≥ 2500	57.5	67.8	69.8	70.6	71.4	71.4	71.9	72.2	73.0	73.7	73.8	73.8	74.6	74.6	75.2	75.9
≥ 2000	59.4	70.8	73.3	74.8	75.6	75.9	76.3	76.7	77.5	78.1	78.3	78.3	79.0	79.2	79.8	80.5
≥ 1800	59.7	71.7	74.3	75.7	76.5	76.8	77.5	77.8	78.6	79.2	79.4	79.4	80.2	80.3	81.0	81.6
≥ 1500	60.6	73.5	76.3	77.9	78.9	79.2	79.8	80.2	81.0	81.6	81.7	81.7	82.5	82.7	83.3	84.0
≥ 1200	61.7	76.1	79.2	81.3	82.4	82.7	83.3	83.7	84.4	85.1	85.2	85.2	86.0	86.2	86.8	87.5
≥ 1000	62.1	77.6	81.3	83.5	84.6	85.1	85.9	86.2	87.1	87.6	87.8	87.8	88.6	88.7	89.4	90.2
≥ 900	62.2	77.8	81.4	83.9	84.9	85.4	86.2	86.5	87.3	87.9	88.1	88.1	88.9	89.3	89.7	90.3
≥ 800	62.3	78.1	81.7	84.1	85.2	85.7	86.5	86.8	87.6	88.3	88.4	88.4	89.2	89.4	90.0	90.6
≥ 700	62.3	78.9	83.0	85.6	86.7	87.1	87.9	88.3	89.1	89.7	89.8	89.8	90.6	90.8	91.4	92.1
≥ 600	62.3	78.9	83.2	85.7	86.8	87.3	88.1	88.4	89.2	89.8	90.0	90.0	90.8	91.0	91.6	92.2
≥ 500	62.3	78.9	83.2	85.9	87.5	87.9	88.7	89.0	89.9	90.5	90.8	90.8	91.7	91.9	92.5	93.3
≥ 400	62.3	79.0	83.3	86.3	87.9	88.4	89.2	89.5	90.3	91.0	91.4	91.4	92.4	92.5	93.2	94.0
≥ 300	62.3	79.0	83.5	86.7	88.3	88.9	89.8	90.2	91.0	91.6	92.2	92.2	93.3	93.5	94.1	94.9
≥ 200	62.3	79.0	83.5	86.7	88.4	89.0	90.0	90.5	91.3	92.4	93.2	93.2	94.4	94.6	95.4	96.3
≥ 100	62.3	79.0	83.5	86.7	88.4	89.0	90.2	90.6	91.4	92.7	93.7	93.7	95.1	95.2	96.3	100.0
≥ 0	62.3	79.0	83.5	86.7	88.4	89.0	90.2	90.6	91.4	92.7	93.7	93.7	95.1	95.2	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 634

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	9.	21.4	21.9	22.5	23.2	23.2	23.3	23.5	23.7	24.3	24.4	24.4	24.4	24.4	26.0	27.0
≥ 20000	[illegible]	23.	23.5	24.1	24.8	24.8	24.9	25.1	25.2	25.9	26.0	26.0	26.0	26.3	27.9	28.9
≥ 18000	[illegible]	23.	23.5	24.1	24.8	24.8	24.9	25.1	25.2	25.9	26.0	26.0	26.0	26.3	28.3	29.2
≥ 16000	[illegible]	23.	23.5	24.1	24.8	24.8	24.9	25.1	25.2	25.9	26.0	26.0	26.0	26.3	28.3	29.2
≥ 14000	[illegible]	23.5	24.	24.6	25.2	25.2	25.4	25.6	25.7	26.3	26.5	26.5	26.5	26.8	28.7	29.7
≥ 12000	23.[illegible]	25.7	26.2	26.8	27.5	27.5	27.6	27.8	27.9	28.6	28.7	28.7	28.7	29.0	31.1	31.9
≥ 10000	24.4	27.	27.6	28.3	29.9	28.9	29.0	29.2	29.4	30.2	30.3	30.3	30.3	30.6	32.5	33.5
≥ 9000	25.[illegible]	28.4	28.9	29.5	30.2	30.2	30.3	30.5	30.6	31.4	31.6	31.6	31.6	31.9	33.9	34.8
≥ 8000	[illegible]5.9	28.6	29.2	29.8	30.5	30.5	30.6	30.8	31.0	31.7	31.9	31.9	31.9	32.2	34.1	35.1
≥ 7000	[illegible]8.6	31.3	31.9	32.5	33.7	33.7	33.8	34.0	34.1	34.9	35.1	35.1	35.1	35.4	37.3	38.3
≥ 6000	32.7	36.	36.7	37.3	38.6	38.6	38.7	38.9	39.0	39.8	40.0	40.0	40.0	40.3	42.2	43.2
≥ 5000	34.6	38.9	39.5	[illegible].2	[illegible].6	41.6	41.7	41.9	42.1	42.9	43.0	43.0	43.0	43.3	45.2	46.2
≥ 4500	37.	42.4	43.	43.7	45.1	45.1	45.2	45.4	45.6	46.3	46.5	46.5	46.5	46.8	48.7	49.7
≥ 4000	[illegible].1	47.	47.6	48.3	49.7	49.7	49.8	50.0	50.2	51.1	51.4	51.4	51.4	51.7	53.7	54.6
≥ 3500	44.3	51.	51.6	52.4	53.8	53.8	54.[illegible]	54.1	54.3	55.2	55.6	55.6	55.6	55.9	57.8	58.7
≥ 3000	47.8	56.[illegible]	56.8	57.9	59.4	59.4	59.5	59.7	6[illegible].0	61.[illegible]	61.3	61.3	61.3	61.6	63.5	64.6
≥ 2500	5[illegible].[illegible]	61.1	62.4	63.5	64.9	65.1	65.2	65.4	65.7	66.7	67.[illegible]	67.0	67.[illegible]	67.3	69.2	70.3
≥ 2000	52.[illegible]	63.0	64.4	66.5	67.9	68.1	68.3	68.4	68.9	69.8	70.[illegible]	7[illegible].3	7[illegible].3	70.6	72.5	73.7
≥ 1800	53.8	64.6	66.0	68.1	69.5	69.7	70.0	70.2	7[illegible].6	71.6	72.[illegible]	72.1	72.1	72.4	74.3	75.4
≥ 1500	54.3	66.7	68.6	70.6	72.2	72.4	72.7	72.9	73.3	74.3	74.8	74.8	74.9	75.[illegible]	77.[illegible]	78.1
≥ 1200	[illegible]5.6	66.9	71.4	73.7	75.2	75.4	75.7	75.9	76.3	77.3	77.8	77.8	77.8	78.1	80.[illegible]	81.1
≥ 1000	56.[illegible]	71.3	74.8	77.3	79.[illegible]	79.2	79.5	79.7	80.2	81.1	81.6	81.6	81.6	81.9	83.8	84.9
≥ 900	57.[illegible]	72.2	75.9	78.9	8[illegible].8	81.[illegible]	81.3	81.4	81.9	82.9	83.3	83.3	83.3	83.7	85.6	86.7
≥ 800	57.[illegible]	72.5	76.3	8[illegible].3	81.9	82.1	82.4	82.5	83.[illegible]	84.0	84.4	84.4	84.4	84.8	86.7	87.8
≥ 700	57.[illegible]	72.7	76.7	8[illegible].5	82.7	82.9	83.3	83.5	84.[illegible]	84.9	85.4	85.4	85.4	85.7	87.6	88.7
≥ 600	57.1	73.2	77.3	81.1	83.3	83.5	84.[illegible]	84.1	84.6	85.6	86.[illegible]	86.[illegible]	86.[illegible]	86.3	88.3	89.4
≥ 500	57.1	73.2	77.3	81.1	83.3	83.5	84.3	84.4	84.9	85.9	86.3	86.3	86.5	86.8	88.7	90.[illegible]
≥ 400	57.1	73.2	77.3	81.1	83.3	83.5	84.4	84.6	85.1	86.[illegible]	86.7	86.7	87.[illegible]	87.3	89.2	90.8
≥ 300	57.[illegible]	73.2	77.5	81.3	83.5	83.7	84.8	84.9	85.4	86.7	87.8	87.8	88.3	98.7	91.[illegible]	92.7
≥ 200	57.1	73.2	77.5	81.3	83.5	83.7	84.8	84.9	85.4	87.0	88.4	88.4	89.5	9[illegible].[illegible]	92.7	94.8
≥ 100	57.1	73.2	77.5	81.3	83.5	83.7	84.8	85.1	85.6	87.8	89.2	89.2	9[illegible].3	90.8	94.3	98.7
≥ 0	57.1	73.2	77.5	81.3	83.5	83.7	84.8	85.1	85.6	87.9	89.4	89.4	90.5	91.[illegible]	94.8	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS 6[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible]29 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-1800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	7.[illegible]	17.3	17.5	17.8	18.3	18.3	18.9	18.6	18.6	18.7	19.[illegible]	19.0	19.5	19.5	20.5	22.7
≥ 20000	18.7	19.7	20.[illegible]	21.3	21.8	21.8	21.0	21.3	21.3	21.3	21.6	21.6	22.2	22.2	23.2	25.4
≥ 18000	19.[illegible]	20.[illegible]	21.3	21.6	21.1	21.1	21.3	21.4	21.4	21.6	21.9	21.9	22.5	22.5	23.7	25.9
≥ 16000	19.8	20.2	20.5	21.8	21.3	21.3	21.4	21.6	21.5	21.7	22.1	22.1	22.7	22.7	23.8	26.0
≥ 14000	21.9	21.7	22.0	22.4	22.9	22.9	23.[illegible]	23.2	23.2	23.5	23.8	23.8	24.4	24.4	25.7	27.9
≥ 12000	22.1	23.3	23.[illegible]	24.1	24.6	24.[illegible]	24.8	24.9	24.9	25.2	25.6	25.6	26.2	26.2	27.5	29.7
≥ 10000	24.3	26.[illegible]	26.5	27.0	27.5	27.5	27.6	27.8	27.8	28.1	28.4	28.4	29.[illegible]	29.[illegible]	30.3	32.5
≥ 9000	25.2	27.1	27.6	28.1	28.6	28.6	28.7	28.9	28.9	29.2	29.5	29.5	30.2	30.2	31.4	33.7
≥ 8000	26.8	28.7	29.2	29.7	30.2	30.2	30.3	30.5	30.5	30.8	31.1	31.1	31.7	31.7	33.[illegible]	35.2
≥ 7000	27.[illegible]	29.8	30.3	30.8	31.6	31.6	31.7	31.9	31.9	32.2	32.5	32.5	33.2	33.2	34.4	36.7
≥ 6000	[illegible].4	32.4	32.9	33.3	34.1	34.1	34.4	34.6	34.6	34.9	35.2	35.2	35.9	35.9	37.1	39.4
≥ 5000	34.1	36.3	36.8	37.6	38.7	38.7	39.0	39.2	39.2	39.5	39.8	39.8	40.5	40.5	41.7	44.[illegible]
≥ 4500	36.[illegible]	38.4	38.9	39.7	4[illegible].8	4[illegible].8	41.[illegible]	41.3	41.3	41.6	41.9	41.9	42.5	42.5	43.8	46.[illegible]
≥ 4000	[illegible].4	43.2	43.8	44.6	45.7	45.7	46.[illegible]	46.2	46.2	46.5	46.8	46.8	47.5	47.5	48.7	51.0
≥ 3500	43.9	47.3	47.9	49.4	5[illegible].5	5[illegible].5	5[illegible].8	51.[illegible]	51.[illegible]	51.3	51.6	51.6	52.2	52.2	53.5	55.7
≥ 3000	[illegible].4	51.7	52.4	54.[illegible]	55.2	55.2	55.7	55.9	55.9	56.3	56.7	56.7	57.3	57.3	58.6	60.8
≥ 2500	50.2	56.5	57.5	59.4	6[illegible].6	6[illegible].6	61.1	61.3	61.3	61.7	62.1	62.1	62.7	62.7	64.[illegible]	66.2
≥ 2000	[illegible].1	57.9	58.7	6[illegible].1	62.4	62.4	62.9	63.2	63.2	63.7	64.[illegible]	64.[illegible]	64.8	64.8	66.[illegible]	68.3
≥ 1800	[illegible].1	58.9	59.8	62.2	63.5	63.5	64.[illegible]	64.3	64.3	64.8	65.1	65.1	65.9	65.9	67.1	69.4
≥ 1500	52.9	[illegible].4	63.7	66.2	67.8	67.8	68.3	68.7	68.7	69.2	69.5	69.5	70.3	70.3	71.6	73.8
≥ 1200	[illegible].1	65.2	67.[illegible]	70.[illegible]	71.6	71.6	72.1	72.5	72.5	73.0	73.3	73.3	74.1	74.1	75.4	77.6
≥ 1000	[illegible].1	66.3	7[illegible].5	73.8	75.6	75.6	76.2	76.7	76.7	77.3	77.6	77.6	78.4	78.4	79.7	81.9
≥ 900	[illegible].8	69.[illegible]	71.[illegible]	74.8	76.5	76.5	77.1	77.6	77.6	78.3	78.6	78.6	79.4	79.4	80.6	82.9
≥ 800	[illegible].6	69.2	71.6	75.1	76.8	76.8	77.5	77.9	77.9	78.6	78.9	78.9	79.7	79.7	81.0	83.2
≥ 700	[illegible].6	69.3	72.1	75.9	77.8	77.8	78.4	78.9	78.9	79.5	79.8	79.8	80.6	80.6	81.9	84.1
≥ 600	[illegible].6	69.4	72.4	76.3	78.3	78.3	78.9	79.4	79.4	8[illegible].0	80.3	80.3	81.1	81.1	82.4	84.6
≥ 500	[illegible].6	69.7	72.7	76.7	78.7	78.7	79.5	8[illegible].0	81.[illegible]	80.6	81.[illegible]	81.[illegible]	81.7	81.7	83.[illegible]	85.2
≥ 400	[illegible].6	69.7	72.9	77.3	79.7	79.7	81.[illegible]	81.4	81.6	82.5	83.[illegible]	83.[illegible]	84.[illegible]	84.[illegible]	85.2	87.9
≥ 300	[illegible].6	69.7	72.9	77.6	80.2	80.2	81.7	82.9	83.[illegible]	84.6	85.1	85.1	86.5	86.7	88.7	91.[illegible]
≥ 200	25.6	69.7	72.9	77.6	80.2	80.2	81.9	83.2	83.3	85.4	86.2	86.2	87.6	87.8	90.2	94.4
≥ 100	25.6	69.7	72.9	77.6	80.2	80.2	81.9	83.2	83.3	85.4	86.3	86.3	88.3	88.4	91.9	99.6
≥ 0	25.6	69.7	72.9	77.6	80.3	80.2	81.9	83.2	83.3	85.4	86.3	86.3	88.3	88.4	91.9	100.0

TOTAL NUMBER OF OBSERVATIONS 430

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1200 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	18.2	18.9	19.3	19.7	20.1	20.4	21.2	21.5	21.7	22.3	22.6	22.6	22.8	22.8	23.6	24.2
≥ 20000	24.7	24.8	25.6	26.1	26.4	26.8	27.5	27.9	28.1	28.8	29.1	29.1	29.3	29.3	30.1	30.7
≥ 18000	22.5	25.6	26.4	27.1	27.4	27.7	28.5	28.8	29.0	29.8	30.1	30.1	30.3	30.3	31.1	31.7
≥ 16000	22.5	25.6	26.4	27.1	27.4	27.7	28.5	28.8	29.0	29.8	30.1	30.1	30.3	30.3	31.1	31.7
≥ 14000	23.2	27.5	28.3	29.3	29.3	29.6	30.4	30.9	31.1	31.8	32.2	32.2	32.3	32.3	33.1	33.8
≥ 12000	26.4	30.1	31.1	31.7	32.1	32.3	33.1	33.5	33.8	34.6	34.9	34.9	35.1	35.1	35.8	36.5
≥ 10000	27.5	31.2	32.2	32.8	33.1	33.4	34.2	34.7	35.	36.	36.3	36.3	36.5	36.5	37.3	37.9
≥ 9000	29.0	32.8	33.8	34.6	35.0	35.4	36.1	36.6	36.9	37.9	38.2	38.2	38.4	38.4	39.2	39.8
≥ 8000	30.1	33.9	34.9	35.8	36.5	36.8	37.6	38.1	38.4	39.3	39.6	39.6	39.8	39.8	40.6	41.2
≥ 7000	31.5	35.4	36.5	37.4	38.1	38.4	39.2	39.8	40.1	41.1	41.4	41.4	41.6	41.6	42.4	43.
≥ 6000	35.	38.9	40.0	40.9	41.6	41.9	42.8	43.5	43.8	44.7	45.1	45.1	45.2	45.2	46.1	46.7
≥ 5000	38.4	42.4	43.5	44.4	45.1	45.4	46.3	47.0	47.3	48.2	48.6	48.6	48.7	48.7	49.5	50.2
≥ 4500	41.9	45.4	46.7	47.6	48.2	48.6	49.5	50.2	50.5	51.4	51.8	51.8	51.9	51.9	52.7	53.3
≥ 4000	43.5	48.1	49.4	50.3	51.0	51.3	52.2	52.9	53.2	54.1	54.5	54.5	54.6	54.6	55.4	56.1
≥ 3500	47.3	51.	52.2	53.7	54.5	54.8	55.7	56.4	56.7	57.6	58.0	58.0	58.1	58.1	58.9	59.6
≥ 3000	49.4	54.9	56.2	58.	58.9	59.2	60.2	61.0	61.3	62.4	62.7	62.7	62.9	62.9	63.7	64.3
≥ 2500	54.5	61.4	63.1	63.4	64.5	64.8	65.8	66.6	66.9	68.0	68.3	68.3	68.5	68.5	69.3	69.9
≥ 2000	56.8	63.2	64.6	66.7	67.8	68.2	69.1	69.9	70.2	71.3	71.7	71.7	71.8	71.8	72.6	73.2
≥ 1800	57.3	63.7	65.3	67.4	68.6	68.9	69.9	70.7	71.	72.1	72.5	72.5	72.6	72.6	73.4	74.0
≥ 1500	59.2	67.5	69.4	71.5	73.1	73.4	74.4	75.2	75.5	76.6	76.9	76.9	77.1	77.1	77.9	78.5
≥ 1200	61.3	71.2	73.6	76.1	77.7	78.0	79.	79.9	80.3	81.4	81.7	81.7	81.8	81.8	82.6	83.3
≥ 1000	62.4	73.2	75.8	78.7	80.4	80.7	81.7	82.6	83.0	84.1	84.4	84.4	84.6	84.6	85.4	86.1
≥ 900	63.9	74.1	76.9	79.9	81.8	82.2	83.1	84.1	84.4	85.5	85.8	85.8	86.0	86.1	86.8	87.4
≥ 800	64.3	74.2	77.1	80.1	83.0	83.3	84.4	85.5	85.8	86.9	87.3	87.3	87.4	87.4	88.2	89.1
≥ 700	65.1	74.5	77.4	81.2	83.8	84.1	85.2	86.3	86.6	87.7	88.1	88.1	88.2	88.2	89.0	89.8
≥ 600	65.1	74.5	77.4	81.2	83.9	84.2	85.4	86.5	86.8	87.9	88.2	88.2	88.4	88.4	89.2	90.1
≥ 500	65.1	74.5	77.4	81.2	83.9	84.4	85.8	86.9	87.3	88.7	89.1	89.0	89.2	89.2	90.0	90.8
≥ 400	65.1	74.7	77.5	81.5	84.4	85.	87.1	88.5	89.9	91.6	91.2	91.2	91.4	91.4	92.4	93.2
≥ 300	65.1	74.7	77.5	81.5	84.4	85.	87.3	88.9	89.3	91.4	92.2	92.2	92.5	92.5	93.5	94.4
≥ 200	65.1	74.7	77.5	81.5	84.4	85.	87.3	88.9	89.3	92.	93.2	93.2	93.6	93.6	95.1	96.3
≥ 100	65.1	74.7	77.5	81.5	84.4	85.2	87.3	88.9	89.3	92.	93.2	93.2	93.8	93.8	95.9	99.4
≥ 0	65.1	74.7	77.5	81.5	84.4	85.2	87.3	88.9	89.3	92.	93.2	93.2	93.9	93.9	96.2	100.

TOTAL NUMBER OF OBSERVATIONS 628

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] 20 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	28.8	27.6	28.9	29.7	30.3	30.3	30.6	31.1	31.1	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 20000	29.4	32.2	33.7	34.8	35.6	35.6	36.2	36.5	36.5	37.0	37.0	37.0	37.0	37.1	37.1	37.1
≥ 18000	29.7	32.5	34.1	35.2	36.1	36.1	36.5	37.1	37.1	37.6	37.8	37.8	37.8	37.8	37.8	37.8
≥ 16000	29.8	32.7	34.3	35.4	36.2	36.2	36.7	37.3	37.3	37.8	37.9	37.9	37.9	37.9	37.9	37.9
≥ 14000	32.1	35.6	37.1	38.3	39.0	39.0	39.5	40.2	40.2	40.6	40.8	40.8	40.8	40.8	40.8	40.8
≥ 12000	34.8	38.4	40.0	41.1	41.9	41.9	42.4	43.0	43.0	43.5	43.7	43.7	43.7	43.7	43.7	43.7
≥ 10000	37.6	41.3	42.9	44.0	44.9	44.9	45.6	46.5	46.5	47.0	47.1	47.1	47.1	47.1	47.1	47.1
≥ 9000	38.6	42.4	44.0	45.1	46.2	46.2	47.0	47.9	47.9	48.4	48.6	48.6	48.6	48.6	48.6	48.6
≥ 8000	39.5	43.3	44.9	46.0	47.1	47.1	47.9	48.9	48.9	49.4	49.5	49.5	49.5	49.5	49.5	49.5
≥ 7000	41.1	44.9	46.5	47.6	48.7	48.7	49.5	50.5	50.5	51.0	51.1	51.1	51.1	51.1	51.1	51.1
≥ 6000	43.2	47.0	48.6	49.7	50.8	50.8	51.6	52.5	52.5	53.0	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000	47.8	51.6	53.2	54.3	55.6	55.6	56.3	57.3	57.3	57.8	57.9	57.9	57.9	57.9	57.9	57.9
≥ 4500	49.8	53.7	55.3	56.3	57.6	57.6	58.4	59.4	59.4	59.8	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	53.3	57.8	59.7	60.8	62.1	62.1	62.9	64.0	64.0	64.3	64.6	64.6	64.6	64.6	64.6	64.6
≥ 3500	56.2	60.8	62.5	63.8	65.1	65.1	65.9	67.1	67.1	67.6	67.8	67.8	67.8	67.8	67.8	67.8
≥ 3000	61.1	65.6	69.5	71.0	72.2	72.2	73.0	74.4	74.4	74.9	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2500	65.4	73.2	75.1	76.7	77.9	77.9	78.7	81.2	81.2	81.6	81.8	81.8	81.8	80.8	80.8	80.8
≥ 2000	68.1	76.2	78.6	80.6	81.9	81.9	82.7	84.1	84.1	84.6	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	69.4	77.5	79.8	81.9	83.2	83.2	84.1	85.6	85.6	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1500	71.0	80.0	82.4	84.8	86.2	86.2	87.1	88.6	88.6	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1200	72.5	84.4	87.1	90.0	91.6	91.9	93.0	94.8	94.8	95.4	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	72.5	84.8	87.9	90.8	92.4	92.9	94.0	95.7	95.7	96.3	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	72.5	84.8	87.9	90.8	92.4	92.9	94.1	95.9	95.9	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	72.5	84.8	87.9	91.0	92.5	93.0	94.3	96.0	96.0	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	72.5	84.8	87.9	91.0	92.5	93.0	94.3	96.0	96.0	96.8	97.0	97.0	97.0	97.1	97.1	97.1
≥ 600	72.5	84.8	87.9	91.1	92.7	93.3	94.6	96.3	96.3	97.1	97.3	97.3	97.5	97.5	97.5	97.5
≥ 500	72.5	84.8	87.9	91.1	92.7	93.3	94.6	96.7	96.7	97.5	97.6	97.6	97.8	97.9	97.9	97.9
≥ 400	72.5	84.8	87.9	91.1	93.0	93.7	95.1	97.1	97.1	97.9	98.3	98.3	98.6	98.7	98.7	98.7
≥ 300	72.5	84.8	87.9	91.1	93.0	93.7	95.1	97.1	97.1	98.1	98.7	98.7	99.0	99.2	99.2	99.2
≥ 200	72.5	84.8	87.9	91.1	93.0	93.7	95.1	97.1	97.1	98.1	98.7	98.7	99.2	99.4	99.4	99.8
≥ 100	72.5	84.8	87.9	91.1	93.0	93.7	95.1	97.3	97.3	98.3	98.9	98.9	99.4	99.5	99.5	100.0
≥ 0	72.5	84.8	87.9	91.1	93.0	93.7	95.1	97.3	97.3	98.3	98.9	98.9	99.4	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 634

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

(?) STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	24.6	28.3	29.7	29.8	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 20000	29.2	33.	34.4	34.6	35.1	35.1	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 18000	29.5	33.5	34.9	35.1	35.7	35.7	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 16000	29.3	33.5	34.9	35.1	35.7	35.7	35.9	36.	36.0	36.0	36.0	36.0	36.0	36.0	36.1	36.0
≥ 14000	32.2	36.7	38.1	38.3	38.9	38.9	39.	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 12000	35.4	39.8	41.3	41.4	42.2	42.2	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 10000	37.8	42.7	44.3	44.3	45.1	45.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 9000	38.9	44.3	45.7	45.9	46.8	46.8	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 8000	40.3	46.3	47.5	47.6	48.6	48.6	48.9	49.0	49.	49.0	49.	49.0	49.	49.0	49.0	49.0
≥ 7000	43.1	48.7	50.3	51.5	51.4	51.4	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 6000	46.1	51.9	53.9	53.7	54.6	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 5000	47.5	56.8	58.4	58.6	59.5	59.5	59.8	60.0	60.0	60.0	60.	60.0	60.0	60.0	60.0	60.
≥ 4500	52.7	59.4	61.1	61.3	62.2	62.2	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4000	57.3	64.9	66.7	66.8	67.8	67.8	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 3500	59.8	68.3	71.3	71.8	71.7	72.1	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3000	64.3	74.	76.3	76.8	77.9	78.3	78.6	79.	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2
≥ 2500	68.4	79.	82.1	82.9	84.	84.3	84.6	85.2	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2000	70.3	82.4	85.7	86.7	87.8	88.1	88.4	89.	89.	89.0	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	73.8	83.3	86.7	87.6	88.7	89.	89.4	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	72.5	86.3	90.	91.1	92.4	92.7	93.	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	74.	88.9	92.5	93.8	95.1	95.4	95.9	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	74.3	89.3	93.2	94.4	95.9	96.2	96.7	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	74.3	89.5	93.2	94.4	95.9	96.2	96.7	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	74.3	89.5	93.3	94.6	96.0	96.3	96.8	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	74.3	89.5	93.3	94.6	96.	96.3	96.8	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	74.3	89.8	93.7	94.9	96.3	96.7	97.1	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	74.3	9 .	93.9	95.1	96.5	96.8	97.3	97.9	97.9	98.1	98.3	98.3	98.4	98.4	98.4	98.4
≥ 400	74.3	9 .	94.	95.4	96.8	97.1	97.5	98.3	98.3	98.6	98.7	98.7	99.0	99.	99.0	99.
≥ 300	74.3	9 .	94.	95.4	96.8	97.1	97.6	98.3	98.3	98.6	99.2	99.2	99.5	99.5	99.5	99.5
≥ 200	74.3	9 .	94.	95.4	96.8	97.1	97.6	98.3	98.3	98.6	99.2	99.2	99.5	99.5	99.5	99.5
≥ 100	74.3	90.0	94.0	95.4	96.8	97.1	97.6	98.3	98.3	98.6	99.2	99.2	99.5	99.5	99.5	99.5
≥ 0	74.3	90.0	94.0	95.4	96.8	97.1	97.6	98.3	98.3	98.6	99.2	99.2	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 53?

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible]29 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]1800-2100 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]9.9	32.2	32.5	33.2	33.2	33.2	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 20000	33.[illegible]	36.7	37.1	37.9	38.1	38.3	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 18000	34.3	37.3	37.8	38.6	38.7	38.9	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 16000	34.3	37.3	37.8	38.6	38.7	38.9	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 14000	36.3	39.4	39.8	[illegible]	[illegible]	41.[illegible]	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 12000	[illegible]	42.7	43.2	44.[illegible]	44.3	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 10000	[illegible]	44.6	45.1	45.9	46.2	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 9000	[illegible]	45.4	45.9	46.7	47.0	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 8000	[illegible]	47.9	48.7	49.5	49.8	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 7000	[illegible]	52.5	53.3	54.1	54.4	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 6000	[illegible]	55.8	56.6	55.4	55.7	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 5000	[illegible]	56.2	57.[illegible]	57.8	58.1	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4500	56.[illegible]	61.[illegible]	61.7	62.5	62.9	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4000	[illegible]	67.1	68.[illegible]	68.9	69.2	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	[illegible]	71.[illegible]	71.9	72.7	73.[illegible]	73.2	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3000	[illegible]	76.5	77.6	78.[illegible]	78.9	79.[illegible]	79.5	79.5	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	[illegible]	81.[illegible]	82.9	84.[illegible]	84.3	84.4	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000	[illegible]	83.5	85.4	86.5	86.8	87.[illegible]	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.[illegible]	87.8	87.8
≥ 1800	[illegible]	84.4	86.5	87.6	88.1	88.3	88.9	88.9	88.9	88.9	89.[illegible]	89.[illegible]	89.[illegible]	89	89.[illegible]	89.0
≥ 1500	[illegible]	86.7	88.9	90.2	90.6	90.8	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	[illegible]	87.9	91.3	92.9	93.3	93.5	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	[illegible]	88.3	92.5	94.1	94.6	94.8	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	[illegible]	88.4	93.[illegible]	94.4	94.9	95.1	95.9	95.9	95.9	95.9	96.0	96.[illegible]	96.[illegible]	96.[illegible]	96.0	96.[illegible]
≥ 800	[illegible]	88.6	93.[illegible]	94.6	95.1	95.2	96.[illegible]	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	[illegible]	88.6	93.[illegible]	94.6	95.1	95.2	96.[illegible]	96.[illegible]	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 600	[illegible]	88.6	93.[illegible]	94.6	95.1	95.2	96.[illegible]	96.[illegible]	96.[illegible]	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	[illegible]	88.6	93.[illegible]	95.1	95.7	95.9	96.7	96.7	96.7	96.8	97.[illegible]	97.[illegible]	97.1	97.1	97.1	97.1
≥ 400	[illegible]	88.6	93.2	95.2	96.2	96.3	97.3	97.3	97.3	97.8	97.9	97.9	98.1	98.1	98.1	98.1
≥ 300	[illegible]	88.6	93.2	95.2	96.2	96.3	97.8	97.8	97.8	98.3	98.6	98.6	98.7	98.7	98.7	98.7
≥ 200	[illegible]	88.6	93.2	95.2	96.3	96.5	97.9	97.9	97.9	98.6	98.9	98.9	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]
≥ 100	[illegible]	88.6	93.2	95.2	96.3	96.5	97.9	97.9	97.9	98.6	98.9	98.9	99.0	99.[illegible]	99.2	99.5
0	[illegible]	88.6	93.2	95.2	96.3	96.5	97.9	97.9	97.9	98.6	98.9	98.9	99.[illegible]	99.[illegible]	99.2	[illegible]

TOTAL NUMBER OF OBSERVATIONS 63[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

(22) STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-2500 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.5	31.4	32.1	32.5	33.0	33.5	34.1	34.3	34.5	34.3	34.3	34.3	34.4	34.4	34.6	34.6
≥ 20000	33.	35.2	35.9	36.3	36.8	37.3	37.9	38.1	38.1	38.1	38.1	38.1	38.3	38.3	38.4	38.4
≥ 18000	33.8	36.	36.7	37.1	37.6	38.1	38.7	38.9	38.9	38.9	38.9	38.9	39.0	39.0	39.2	39.2
≥ 16000	34.	36.2	36.8	37.3	37.8	38.3	38.9	39.	39.	39.0	39.0	39.0	39.2	39.2	39.4	39.4
≥ 14000	39.9	37.1	37.8	38.4	38.9	39.4	40.0	40.2	40.2	40.2	40.2	40.2	40.3	40.3	40.5	40.5
≥ 12000	36.3	38.6	39.2	39.8	40.3	40.8	41.4	41.6	41.6	41.6	41.6	41.6	41.7	41.7	41.9	41.9
≥ 10000	38.1	40.3	41.1	41.7	42.2	42.7	43.3	43.5	43.5	43.5	43.5	43.5	43.7	43.7	43.8	43.8
≥ 9000	38.7	41.1	41.9	42.5	43.0	43.5	44.1	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.6	44.6
≥ 8000	40.2	42.9	43.8	44.6	45.1	45.6	46.2	46.3	46.3	46.3	46.3	46.3	46.5	46.5	46.7	46.7
≥ 7000	43.7	46.7	47.6	48.4	48.9	49.4	50.0	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.5	50.5
≥ 6000	45.4	49.3	50.2	50.8	51.3	51.7	52.4	52.5	52.5	52.5	52.5	52.5	52.7	52.7	52.9	52.9
≥ 5000	49.	52.9	54.	54.8	55.2	55.7	56.3	56.5	56.5	56.5	56.5	56.5	56.7	56.7	56.8	56.8
≥ 4500	51.1	55.9	57.	57.8	58.3	58.7	59.4	59.5	59.5	59.5	59.5	59.5	59.7	59.7	59.8	59.8
≥ 4000	55.7	61.1	62.4	63.2	63.7	64.1	64.9	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.4	65.4
≥ 3500	59.8	66.	67.5	68.3	68.7	69.2	70.0	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.5	70.5
≥ 3000	64.9	73.	74.8	75.6	76.1	76.5	77.3	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.8	77.8
≥ 2500	67.3	76.7	78.7	79.5	80.3	80.8	81.6	81.7	81.7	81.7	81.7	81.7	81.9	81.9	82.1	82.1
≥ 2000	69.1	79.8	82.4	83.2	84.0	84.4	85.2	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.7	85.7
≥ 1800	69.6	81.3	84.4	85.2	86.0	86.5	87.3	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.8	87.8
≥ 1500	70.5	83.	86.2	87.1	87.9	88.6	89.4	89.5	89.5	89.5	89.5	89.5	89.7	89.7	89.8	89.8
≥ 1200	71.	84.1	87.6	88.6	89.4	90.0	90.8	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.3	91.3
≥ 1000	72.6	85.6	89.7	90.8	91.6	92.2	93.1	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.5	93.5
≥ 900	73.6	85.7	90.2	91.3	92.2	92.9	93.7	93.8	93.8	93.8	93.8	93.8	94.0	94.0	94.1	94.1
≥ 800	73.7	86.0	90.6	91.7	92.7	93.3	94.1	94.3	94.3	94.4	94.4	94.4	94.6	94.6	94.8	94.8
≥ 700	73.7	86.3	90.8	91.9	92.9	93.5	94.3	94.6	94.6	94.8	94.8	94.8	94.9	94.9	95.1	95.1
≥ 600	73.7	86.3	91.3	92.4	93.3	94.1	94.9	95.2	95.2	95.4	95.4	95.4	95.6	95.6	95.7	95.7
≥ 500	73.7	86.0	91.4	92.5	93.8	94.6	95.4	95.7	95.7	96.2	96.2	96.2	96.3	96.3	96.5	96.5
≥ 400	73.7	86.0	91.4	92.5	93.8	94.6	95.6	95.9	95.9	96.5	96.5	96.5	96.7	96.7	96.8	96.8
≥ 300	73.7	86.0	91.4	92.5	94.0	94.8	95.9	96.2	96.2	96.8	96.8	96.8	97.0	97.0	97.1	97.1
≥ 200	73.7	86.	91.4	92.5	94.1	94.9	96.2	96.5	96.7	97.6	97.6	97.6	97.8	97.8	98.3	98.3
≥ 100	73.7	86.	91.4	92.5	94.1	94.9	96.2	96.5	96.7	97.6	97.6	97.6	98.1	98.1	98.9	99.2
≥ 0	73.7	86.	91.4	92.5	94.1	94.9	96.2	96.5	96.7	97.6	97.6	97.6	98.1	98.1	98.9	100.

TOTAL NUMBER OF OBSERVATIONS 672

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible]29 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	23.1	25.4	26.1	26.6	27.0	27.1	27.5	27.6	27.7	28.	28.1	28.1	28.3	28.3	28.8	29.3
≥ 20000	26.7	29.2	30.0	30.5	31.0	31.2	31.6	31.8	31.8	32.1	32.2	32.2	32.4	32.5	32.9	33.5
≥ 18000	27.2	29.7	30.5	31.1	31.6	31.7	32.1	32.3	32.4	32.7	32.8	32.8	33.1	33.1	33.6	34.2
≥ 16000	27.2	29.8	30.6	31.1	31.7	31.8	32.2	32.4	32.5	32.8	32.9	32.9	33.1	33.1	33.7	34.3
≥ 14000	28.8	31.6	32.4	32.9	33.5	33.6	34.0	34.2	34.3	34.6	34.7	34.7	35.0	35.0	35.6	36.1
≥ 12000	33.9	33.8	34.6	35.2	35.8	35.9	36.3	36.5	36.6	36.9	37.1	37.1	37.3	37.3	37.9	38.5
≥ 10000	32.7	35.7	36.6	37.2	37.8	37.9	38.4	38.6	38.7	39.1	39.2	39.2	39.4	39.5	40.1	40.6
≥ 9000	33.6	36.9	37.7	38.4	39.0	39.1	39.6	39.9	39.9	40.3	40.4	40.4	40.7	40.7	41.3	41.8
≥ 8000	34.9	38.3	39.2	39.9	40.6	40.7	41.1	41.4	41.5	41.9	42.	42.0	42.2	42.2	42.8	43.4
≥ 7000	37.5	41.0	42.0	42.7	43.4	43.6	44.1	44.3	44.4	44.8	44.9	44.9	45.2	45.2	45.8	46.3
≥ 6000	40.1	43.9	44.9	45.6	46.3	46.5	47.0	47.3	47.4	47.8	47.9	47.9	48.1	48.1	48.7	49.3
≥ 5000	43.8	47.6	48.6	49.3	50.2	50.3	50.8	51.1	51.2	51.6	51.7	51.7	51.9	52.0	52.6	53.1
≥ 4500	46.0	50.6	51.6	52.4	53.3	53.4	53.9	54.2	54.3	54.7	54.8	54.8	55.0	55.1	55.7	56.2
≥ 4000	51.4	55.4	56.6	57.3	58.2	58.3	58.9	59.2	59.3	59.7	59.9	59.9	60.1	60.2	60.8	61.3
≥ 3500	53.1	59.1	60.3	61.3	62.2	62.4	62.9	63.3	63.4	63.8	64.0	64.0	64.2	64.3	64.9	65.4
≥ 3000	57.3	64.8	66.2	67.3	68.2	68.4	68.9	69.4	69.6	70.0	70.2	70.2	70.4	70.5	71.1	71.6
≥ 2500	61.6	69.5	71.3	72.5	73.5	73.7	74.2	74.7	74.9	75.3	75.5	75.5	75.7	75.8	76.4	77.0
≥ 2000	62.5	72.1	74.2	75.8	76.8	77.1	77.6	78.2	78.2	78.7	78.9	78.9	79.2	79.2	79.8	80.3
≥ 1800	63.1	73.2	75.4	77.1	78.0	78.2	78.9	79.4	79.6	80.0	80.2	80.2	80.5	80.6	81.1	81.7
≥ 1500	64.5	75.8	78.2	79.9	81.1	81.4	82.1	82.5	82.7	83.2	83.4	83.4	83.6	83.7	84.3	84.9
≥ 1200	65.6	78.3	81.1	83.3	84.5	84.8	85.5	86.1	86.3	86.7	87.0	87.0	87.2	87.3	87.9	88.4
≥ 1000	66.2	79.8	83.2	85.4	86.8	87.1	87.8	88.4	88.6	89.1	89.3	89.3	89.5	89.6	90.2	90.8
≥ 900	66.2	80.2	83.7	86.0	87.4	87.8	88.5	89.1	89.3	89.8	90.0	90.0	90.2	90.3	90.9	91.5
≥ 800	66.3	80.4	84.3	86.5	87.9	88.2	89.0	89.6	89.8	90.3	90.6	90.6	90.8	90.8	91.4	92.1
≥ 700	66.3	80.5	84.3	86.9	88.4	88.7	89.5	90.1	90.3	90.9	91.1	91.1	91.3	91.4	92.0	92.6
≥ 600	66.3	80.6	84.5	87.2	88.7	89.1	89.9	90.5	90.7	91.2	91.4	91.4	91.7	91.8	92.4	93.1
≥ 500	66.3	80.7	84.6	87.3	89.0	89.4	90.3	90.9	91.1	91.8	92.0	92.0	92.4	92.4	93.0	93.7
≥ 400	66.3	80.7	84.7	87.6	89.4	89.8	90.9	91.6	91.8	92.6	93.0	93.0	93.4	93.5	94.1	94.8
≥ 300	66.3	80.7	84.7	87.7	89.5	90.0	91.2	92.0	92.3	93.3	93.6	93.8	94.4	94.5	95.2	96.1
≥ 200	66.3	80.7	84.7	87.7	89.6	90.2	91.3	92.2	92.4	93.7	94.4	94.4	95.1	95.2	96.2	97.3
≥ 100	66.3	80.7	84.7	87.7	89.6	90.2	91.4	92.2	92.5	93.9	94.6	94.6	95.4	95.6	96.9	99.5
≥ 0	66.3	80.7	84.7	87.7	89.6	90.2	91.4	92.2	92.5	93.9	94.6	94.6	95.5	95.6	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5138

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	.6.	16.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	18.1	18.6	18.6	19.2	19.4	20.0	21.5
≥ 20000	18.4	19.2	19.7	2 .1	2 .1	20.1	20.1	20.1	20.1	20.7	21.2	21.2	21.8	22.0	22.6	24.3
≥ 18000	18.4	19.2	19.7	2 .1	2 .1	20.1	20.1	20.1	20.1	20.7	21.2	21.2	21.8	22.0	22.6	24.3
≥ 16000	18.4	19.2	19.7	2 .1	2 .1	20.1	20.1	20.1	20.1	20.7	21.2	21.2	21.8	22.0	22.6	24.3
≥ 14000	19.1	20.3	21.7	21.2	21.2	21.2	21.2	21.2	21.2	21.8	22.3	22.3	22.9	23.0	23.7	25.3
≥ 12000	19.7	20.9	21.4	21.8	21.8	21.8	21.8	21.8	21.8	22.4	22.9	22.9	23.5	23.7	24.3	26.0
≥ 10000	22.3	23.8	24.3	24.7	24.7	24.7	24.7	24.7	24.7	25.3	25.8	25.8	26.4	26.6	27.2	29.0
≥ 9000	23.7	25.5	26.1	26.6	26.6	26.6	26.6	26.6	26.6	27.2	27.6	27.6	28.3	28.4	29.0	31.9
≥ 8000	24.3	25.8	26.4	27.0	27.0	27.0	27.0	27.0	27.	27.6	28.1	28.1	28.7	28.9	29.5	32.3
≥ 7000	25.7	27.5	28.1	28.7	28.7	28.7	28.7	28.7	28.7	29.3	29.8	29.8	30.4	30.6	31.2	33.
≥ 6000	29.1	30.0	30.6	31.2	31.2	31.2	31.2	31.2	31.2	31.8	32.3	32.3	32.9	33.	33.6	35.5
≥ 5000	32.9	35.2	35.8	36.4	36.4	36.4	36.6	36.6	36.6	37.2	37.6	37.6	38.2	38.4	39.	40.9
≥ 4500	36.7	39.2	39.8	4 .4	4 .4	40.4	40.6	40.6	40.6	41.2	41.6	41.6	42.2	42.4	43.0	44.9
≥ 4000	44.2	48.1	49.2	5 .4	5 .4	50.4	50.5	50.5	50.5	51.2	51.6	51.6	52.2	52.4	53.0	54.8
≥ 3500	47.8	51.9	53.1	54.4	54.4	54.4	54.5	54.5	54.5	55.1	55.6	55.6	56.2	56.4	57.0	59.
≥ 3000	53.1	58.5	59.9	61.4	61.4	61.4	61.6	61.6	61.6	62.2	62.7	62.7	63.3	63.4	64.1	66.1
≥ 2500	55.5	62.8	64.5	66.4	66.4	66.4	66.5	66.5	66.5	67.1	67.6	67.6	68.2	68.4	69.0	71.0
≥ 2000	57.7	66.2	68.3	70.4	7 .4	7 .4	70.5	7 .5	7 .5	71.1	71.6	71.6	72.2	72.4	73.0	75.0
≥ 1800	57.9	68.4	70.2	72.5	72.5	72.5	72.7	72.7	72.7	73.3	73.7	73.7	74.3	74.5	75.1	77.1
≥ 1500	58.1	69.9	72.0	74.5	74.7	74.7	74.8	74.8	74.8	75.4	75.9	75.9	76.5	76.7	77.3	79.3
≥ 1200	61.1	73.1	75.9	78.5	78.8	78.8	79.0	79.0	79.0	79.6	80.0	80.0	80.6	80.8	81.4	83.4
≥ 1000	61.9	74.7	78.3	81.3	82.2	82.2	82.3	82.3	82.3	82.9	83.4	83.4	84.1	84.2	84.8	86.8
≥ 900	62.1	75.9	79.7	83.1	84.0	84.0	84.2	84.2	84.2	84.8	85.3	85.3	85.9	86.0	86.6	88.6
≥ 800	62.2	76.2	80.1	83.9	84.8	84.8	85.1	85.1	85.1	85.7	86.2	86.2	86.8	86.9	87.6	89.6
≥ 700	62.2	76.2	80.2	84.0	84.9	84.9	85.3	85.3	85.3	85.9	86.3	86.3	86.9	87.1	87.7	89.7
≥ 600	62.2	76.3	80.3	84.3	85.3	85.3	85.6	85.6	85.6	86.2	86.6	86.6	87.3	87.4	88.0	90.0
≥ 500	62.2	76.2	80.6	84.6	86.2	86.2	86.5	86.5	86.5	87.1	87.6	87.6	88.2	88.3	88.9	91.0
≥ 400	62.2	76.2	80.8	84.9	86.5	86.5	87.1	87.1	87.1	88.	88.5	88.5	89.1	89.2	89.9	92.
≥ 300	62.2	76.2	81.0	85.1	87.3	87.3	87.9	87.9	87.9	88.9	89.4	89.4	9 .3	90.5	91.2	93.5
≥ 200	62.2	76.2	81.0	85.3	87.4	87.4	88.0	88.6	88.8	9 .3	91.1	91.1	92.3	92.5	93.4	96.5
≥ 100	62.2	76.2	81.1	85.3	87.4	87.4	88.0	88.6	88.8	90.3	91.1	91.1	92.6	92.8	93.9	98.9
≥ 0	62.2	76.2	81.1	85.3	87.4	87.4	88.0	88.6	88.8	90.3	91.1	91.1	92.6	92.8	93.9	100.

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 24 | PORTLAND IAP OR | 73-79 | DEC
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0559
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	12.7	13.4	13.7	14.6	14.9	14.9	15.2	15.2	15.2	15.4	15.4	15.4	15.7	15.7	16.3	16.6
≥ 20000	14.[illegible]	14.6	14.9	15.8	16.3	16.3	16.6	16.6	16.6	16.7	16.7	16.7	17.1	17.1	17.8	18.1
≥ 18000	14.3	14.9	15.2	16.1	16.6	16.6	16.9	16.9	16.9	17.1	17.1	17.1	17.4	17.4	18.1	18.4
≥ 16000	14.3	14.9	15.2	16.1	16.6	16.6	16.9	16.9	16.9	17.1	17.1	17.1	17.4	17.4	18.1	18.4
≥ 14000	14.7	15.4	15.7	16.6	17.1	17.1	17.4	17.4	17.4	17.5	17.5	17.5	17.8	17.8	18.6	18.9
≥ 12000	15.4	16.0	16.3	17.2	17.7	17.7	18.[illegible]	18.[illegible]	18.[illegible]	18.1	18.1	18.1	18.4	18.4	19.2	19.5
≥ 10000	17.4	18.[illegible]	18.3	19.4	19.8	19.8	20.1	20.1	20.[illegible]	20.3	20.3	20.3	20.6	20.6	21.4	21.7
≥ 9000	18.1	19.2	19.5	20.6	21.0	21.0	21.4	21.4	21.4	21.5	21.5	21.5	21.8	21.8	22.6	22.9
≥ 8000	19.2	20.3	20.6	21.8	22.3	22.3	22.7	22.7	22.7	22.9	22.9	22.9	23.2	23.2	24.[illegible]	24.3
≥ 7000	21.[illegible]4	23.5	23.8	25.0	25.5	25.5	26.0	26.0	26.0	26.1	26.1	26.1	26.4	26.4	27.2	27.5
≥ 6000	25.3	26.4	26.9	28.1	28.6	28.6	29.0	29.0	29.0	29.2	29.2	29.2	29.5	29.5	30.3	30.6
≥ 5000	31.6	33.3	33.8	35.[illegible]	35.5	35.5	35.9	35.9	35.9	36.3	36.3	36.3	36.6	36.6	37.3	37.6
≥ 4500	34.3	36.3	36.7	37.9	38.4	38.4	38.9	38.9	38.9	39.2	39.2	39.2	39.5	39.5	40.2	40.6
≥ 4000	42.7	45.8	46.4	47.6	48.1	48.1	48.5	48.5	48.5	48.8	48.8	48.8	49.2	49.2	49.9	50.2
≥ 3500	45.[illegible]	48.7	49.5	5[illegible].7	51.2	51.2	51.6	51.6	51.6	51.9	51.9	51.9	52.2	52.2	53.1	53.5
≥ 3000	50.4	56.2	57.1	58.4	58.8	58.8	59.3	59.3	59.3	59.6	59.6	59.6	59.9	59.9	60.8	61.1
≥ 2500	54.2	60.8	61.9	63.1	63.6	63.6	64.1	64.1	64.1	64.4	64.4	64.4	64.7	64.7	65.6	65.9
≥ 2000	55.9	63.9	65.3	66.7	67.1	67.1	67.6	67.6	67.6	67.9	67.9	67.9	68.2	68.2	69.3	69.6
≥ 1800	56.3	65.4	66.8	68.2	68.7	68.7	69.1	69.1	69.1	69.4	69.4	69.4	69.7	69.7	70.8	71.1
≥ 1500	58.4	68.4	69.7	71.6	72.0	72.0	72.5	72.5	72.5	72.8	72.8	72.8	73.1	73.1	74.2	74.5
≥ 1200	6[illegible].5	71.4	73.3	76.[illegible]	76.7	76.7	77.1	77.1	77.1	77.7	77.7	77.7	78.[illegible]	78.[illegible]	79.1	79.4
≥ 1000	6[illegible].1	73.[illegible]	75.4	78.3	79.[illegible]	79.0	79.4	79.6	79.6	80.3	80.3	80.3	8[illegible].6	80.6	81.7	82.[illegible]
≥ 900	61.3	73.7	76.[illegible]	79.3	79.9	79.9	80.3	80.5	80.5	81.3	81.3	81.3	81.6	81.6	82.8	83.1
≥ 800	61.3	74.3	77.1	8[illegible].2	81.3	81.3	81.9	82.2	82.2	82.9	82.9	82.9	83.3	83.3	84.5	84.8
≥ 700	61.3	74.8	77.9	81.[illegible]	82.2	82.2	82.8	83.1	83.1	83.9	83.9	83.9	84.2	84.2	85.4	85.7
≥ 600	61.3	74.8	78.[illegible]	81.4	82.6	82.6	83.7	84.2	84.2	84.9	84.9	84.9	85.4	85.4	86.[illegible]	86.9
≥ 500	61.3	75.[illegible]	78.6	82.2	83.6	83.6	84.8	85.3	85.3	86.[illegible]	86.[illegible]	86.[illegible]	86.5	86.5	87.7	88.[illegible]
≥ 400	61.3	75.[illegible]	79.[illegible]	82.9	84.5	84.5	85.7	86.2	86.2	87.1	87.1	87.1	87.7	87.7	88.9	89.2
≥ 300	61.3	75.[illegible]	79.[illegible]	82.9	84.5	84.5	85.9	86.5	86.6	87.6	87.9	87.9	88.5	88.5	89.9	90.5
≥ 200	61.3	75.1	79.1	83.1	84.9	84.9	86.9	87.9	88.[illegible]	89.2	89.7	89.7	9[illegible].8	90.8	93.5	94.5
≥ 100	61.3	75.1	79.[illegible]	83.3	85.1	85.1	87.3	88.2	88.3	89.6	90.0	90.0	91.4	91.4	95.1	98.9
≥ 0	61.3	75.1	79.[illegible]	83.3	85.1	85.1	87.3	88.2	88.3	89.6	90.0	90.0	91.7	91.7	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible] (HOURS) [illegible]

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	13.3	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.5	14.5	15.4	15.7
≥ 20000	16.2	16.6	16.8	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.4	17.4	18.3	18.6
≥ 18000	16.2	16.6	16.8	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.4	17.4	18.3	18.6
≥ 16000	16.3	16.8	16.9	17.1	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.5	17.5	18.5	18.8
≥ 14000	17.1	17.5	17.7	17.8	17.8	18.0	18.0	18.0	18.0	18.0	18.2	18.2	18.2	18.5	18.5	19.4	19.7
≥ 12000	17.8	18.3	18.5	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.9	18.9	18.9	19.2	19.2	20.2	20.5
≥ 10000	18.5	19.1	19.2	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.7	19.7	19.7	20.0	20.0	20.9	21.2
≥ 9000	19.2	20.0	20.2	20.3	20.3	20.5	20.5	20.5	20.5	20.6	20.6	20.6	20.9	20.9	21.8	22.2
≥ 8000	20.0	20.8	20.9	21.1	21.1	21.2	21.2	21.2	21.2	21.4	21.4	21.4	21.7	21.7	22.6	22.9
≥ 7000	21.3	22.6	22.8	22.9	22.9	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.5	23.5	24.5	24.8
≥ 6000	26.1	27.4	27.5	27.7	27.7	27.8	27.8	27.8	27.8	28.1	28.1	28.0	28.3	28.3	29.2	29.5
≥ 5000	32.6	34.9	35.1	35.2	35.2	35.4	35.4	35.4	35.4	35.5	35.5	35.5	35.8	35.8	36.8	37.1
≥ 4500	38.5	38.3	38.6	38.8	38.8	38.9	39.1	39.1	39.1	39.2	39.2	39.2	39.5	39.5	40.5	40.8
≥ 4000	42.5	46.5	46.9	47.4	47.4	47.5	47.7	47.7	47.7	47.8	47.8	47.8	48.2	48.2	49.1	49.4
≥ 3500	46.2	5 .6	51.2	51.7	51.7	51.8	52.0	52.0	52.0	52.2	52.2	52.2	52.5	52.5	53.4	53.7
≥ 3000	49.7	56.3	57.1	57.5	57.5	57.7	57.8	57.8	57.8	58.0	58.0	58.0	58.3	58.3	59.2	59.5
≥ 2500	52.9	6 .9	61.7	62.2	62.2	62.3	62.5	62.5	62.5	62.6	62.6	62.6	62.9	62.9	63.8	64.2
≥ 2000	54.3	63.5	64.6	65.1	65.2	65.4	65.5	65.5	65.5	65.7	65.7	65.7	66.0	66.0	66.9	67.2
≥ 1800	54.6	65.1	66.2	66.6	66.8	66.9	67.1	67.1	67.1	67.2	67.2	67.2	67.5	67.5	68.5	68.8
≥ 1500	56.5	69.5	70.9	71.7	72.2	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.9	72.9	73.8	74.2
≥ 1200	57.7	71.8	73.5	74.5	75.1	75.2	75.4	75.4	75.4	75.5	75.5	75.5	75.8	75.8	76.8	77.1
≥ 1000	58.3	73.5	75.8	76.9	77.5	77.7	77.8	77.8	77.8	78.0	78.1	78.1	78.3	78.3	79.2	79.5
≥ 900	58.6	74.5	77.2	78.3	78.9	79.1	79.2	79.2	79.2	79.4	79.4	79.4	79.7	79.7	80.6	80.9
≥ 800	58.6	74.6	77.4	79.1	79.7	80.0	80.3	80.3	80.3	80.5	80.5	80.5	80.8	80.8	81.7	82.0
≥ 700	58.6	75.2	78.1	79.8	80.6	80.9	81.4	81.4	81.4	81.5	81.5	81.5	81.8	81.8	82.8	83.1
≥ 600	58.6	75.2	78.1	79.8	80.9	81.4	81.8	82.0	82.0	82.3	82.3	82.3	82.8	82.8	83.7	84.0
≥ 500	58.6	75.8	78.8	81.4	82.6	83.1	84.2	84.3	84.3	84.6	84.6	84.6	85.1	85.1	86.1	86.3
≥ 400	58.6	76.8	79.7	82.8	84.6	84.6	86.0	86.3	86.3	86.9	86.9	86.9	87.4	87.4	88.3	88.6
≥ 300	58.6	76.6	79.7	83.4	84.6	85.2	87.1	87.4	87.4	88.1	88.3	88.3	88.9	88.9	90.6	91.2
≥ 200	58.6	76.6	79.7	83.5	84.9	85.5	88.1	88.6	88.6	89.5	90.5	90.5	91.7	91.7	93.8	94.9
≥ 100	58.6	76.6	79.7	83.5	84.9	85.5	88.2	88.8	88.8	89.7	90.9	90.9	92.6	92.6	96.0	99.2
≥ 0	58.6	76.6	79.7	83.5	84.9	85.5	88.2	88.8	88.8	89.7	90.9	90.9	92.6	92.8	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 65[illegible]

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

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

CEILING VERSUS VISIBILITY

[illegible] 29 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	13.9	14.3	14.6	15.2	15.5	15.5	15.7	16.0	16.0	16.3	16.3	16.3	16.4	16.6	16.9	17.5
≥ 20000	16.9	17.2	17.4	18.1	18.3	18.3	18.4	18.7	18.9	19.2	19.2	19.2	19.4	19.5	20.0	20.9
≥ 18000	16.4	18.1	18.3	18.9	19.2	19.2	19.4	19.7	19.9	20.1	20.1	20.1	20.3	20.4	20.9	21.8
≥ 16000	17.1	18.6	18.9	19.5	19.8	19.8	20.0	20.3	20.4	20.7	20.7	20.7	20.9	21.0	21.5	22.4
≥ 14000	18.1	19.5	19.8	21.4	21.7	21.7	21.9	22.2	22.4	21.7	21.7	21.7	21.8	22.0	22.4	23.3
≥ 12000	19.3	21.0	21.4	22.1	22.4	22.6	22.7	23.0	23.2	23.5	23.5	23.5	23.7	23.8	24.3	25.2
≥ 10000	21.2	22.7	23.1	24.1	24.4	24.6	24.7	25.0	25.2	25.5	25.5	25.5	25.7	25.8	26.3	27.2
≥ 9000	22.1	23.7	24.3	25.4	25.3	25.5	25.7	26.0	26.1	26.4	26.4	26.4	26.6	26.7	27.2	28.1
≥ 8000	23.2	24.7	25.3	26.1	26.4	26.6	26.7	27.0	27.2	27.5	27.5	27.5	27.6	27.8	28.3	29.2
≥ 7000	26.1	27.6	28.3	29.0	29.3	29.5	29.6	30.0	30.1	30.4	30.4	30.4	30.6	30.7	31.2	32.1
≥ 6000	29.0	30.7	31.3	32.3	32.6	32.9	33.0	33.3	33.5	33.8	33.8	33.8	33.9	34.1	34.6	35.5
≥ 5000	33.0	35.2	35.8	36.9	37.2	37.5	37.6	37.9	38.1	38.4	38.4	38.4	38.6	38.7	39.2	40.1
≥ 4500	36.1	38.4	39.0	40.7	41.0	41.3	41.5	41.8	41.9	42.2	42.2	42.2	42.4	42.5	43.0	43.9
≥ 4000	42.7	45.6	46.9	48.1	48.4	48.7	48.8	49.2	49.3	49.6	49.6	49.6	49.8	49.9	50.4	51.3
≥ 3500	47.3	50.5	51.8	53.0	53.3	53.6	53.8	54.1	54.2	54.5	54.5	54.5	54.7	54.8	55.3	56.2
≥ 3000	51.2	55.9	57.1	58.7	59.1	59.4	59.6	59.9	60.1	60.4	60.4	60.4	60.7	60.8	61.3	62.2
≥ 2500	54.4	59.4	61.6	63.1	63.7	64.1	64.2	64.5	64.7	65.0	65.0	65.0	65.3	65.4	65.9	66.8
≥ 2000	56.5	62.3	64.5	66.1	66.8	67.1	67.3	67.7	67.9	68.2	68.2	68.2	68.5	68.7	69.1	70.0
≥ 1800	57.3	63.7	66.5	68.4	69.1	69.4	69.6	70.0	70.2	70.5	70.5	70.5	71.1	71.1	71.6	72.5
≥ 1500	59.8	66.5	69.3	71.4	72.2	72.5	72.8	73.3	73.4	73.7	73.7	73.7	74.2	74.3	74.8	75.7
≥ 1200	61.4	69.1	72.4	74.8	76.2	76.5	77.1	77.6	77.7	78.0	78.0	78.0	78.5	78.6	79.1	80.0
≥ 1000	63.1	72.0	75.7	78.3	80.3	80.8	81.6	82.0	82.2	82.5	82.5	82.5	82.9	83.1	83.6	84.5
≥ 900	63.9	72.4	76.3	79.1	81.1	81.6	82.3	82.8	82.9	83.3	83.3	83.3	83.7	83.9	84.3	85.3
≥ 800	63.9	72.5	76.3	79.7	81.7	82.2	83.3	83.7	83.9	84.2	84.2	84.2	84.6	84.8	85.3	86.2
≥ 700	63.1	72.5	76.5	80.2	82.2	82.6	84.2	84.6	84.8	85.1	85.1	85.1	85.6	85.7	86.2	87.1
≥ 600	63.4	72.5	76.5	80.2	82.3	82.9	84.8	85.4	85.6	85.9	85.9	85.9	86.5	86.6	87.1	88.0
≥ 500	63.4	72.5	76.7	80.3	82.9	83.6	85.7	86.5	86.6	87.1	87.3	87.3	88.0	88.2	88.8	89.9
≥ 400	63.4	73.2	77.1	80.8	83.6	84.8	87.3	88.2	88.3	89.1	89.4	89.4	90.2	90.3	91.2	92.3
≥ 300	63.4	73.2	77.1	80.8	83.9	85.3	88.2	89.4	89.9	91.7	92.3	92.3	93.2	93.4	94.3	95.9
≥ 200	63.4	73.2	77.1	80.8	83.9	85.3	88.2	89.6	90.2	92.3	93.1	93.1	95.1	95.2	96.5	98.5
≥ 100	63.4	73.2	77.1	80.8	83.9	85.3	88.2	89.6	90.2	92.3	93.2	93.2	95.4	95.5	97.4	100.0
≥ 0	63.4	73.2	77.1	80.8	83.9	85.3	88.2	89.6	90.2	92.3	93.2	93.2	95.4	95.5	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] PORTLAND IAP OR 73-79 DEC
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12[illegible]-14[illegible]
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	18.[illegible]	19.2	2[illegible].3	20.4	21.0	21.0	21.0	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 20000	21.[illegible]	22.4	23.7	23.8	24.4	24.4	24.6	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
≥ 18000	21.8	23.2	24.4	24.6	25.2	25.2	25.3	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 16000	22.[illegible]	23.3	24.6	24.7	25.3	25.5	26.[illegible]	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 14000	23.[illegible]	24.4	26.[illegible]	26.1	26.7	26.9	27.3	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 12000	25.[illegible]	26.6	28.1	28.3	28.9	29.[illegible]	29.5	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 10000	26.7	28.6	30.1	30.3	31.[illegible]	31.2	31.6	32.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]
≥ 9000	28.[illegible]	29.8	31.3	31.5	32.3	32.4	32.9	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 8000	29.3	31.2	32.7	32.9	33.6	33.8	34.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 7000	3[illegible].9	34.7	36.3	36.4	37.2	37.3	37.8	38.1	38.1	38.1	38.1	38.1	38.1	39.1	38.1	38.1
≥ 6000	35.3	37.5	39.2	39.3	40.1	40.2	40.7	41.[illegible]	41.[illegible]	41.[illegible]	41.[illegible]	41.[illegible]	41.[illegible]	41.[illegible]	41.[illegible]	41.[illegible]
≥ 5000	[illegible].[illegible]	42.7	44.4	44.5	45.5	45.6	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 4500	43.3	45.9	47.6	47.8	48.7	48.8	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 4000	48.4	51.3	53.[illegible]	53.3	54.2	54.4	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 3500	53.9	57.3	59.[illegible]	59.3	6[illegible].4	61.5	61.[illegible]	61.3	61.[illegible]	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3000	58.7	63.[illegible]	65.1	65.7	67.1	67.1	67.7	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]
≥ 2500	61.1	66.7	68.5	69.3	7[illegible].5	7[illegible].7	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2000	64.1	70.2	72.4	73.1	74.3	74.7	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1800	65.[illegible]	72.[illegible]	74.3	75.1	76.3	76.7	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1500	66.2	73.7	76.[illegible]	77.0	78.6	79.4	80.2	80.5	80.5	8[illegible].6	8[illegible].6	8[illegible].6	8[illegible].6	8[illegible].6	8[illegible].6	8[illegible].6
≥ 1200	68.[illegible]	76.8	79.1	81.[illegible]	82.8	83.9	84.8	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1000	69.1	79.6	82.2	84.3	86.3	87.7	88.9	90.[illegible]	90.[illegible]	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	69.1	79.6	82.2	84.8	86.8	88.2	89.4	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 800	69.1	79.9	82.6	85.3	87.3	88.6	90.[illegible]	91.2	91.2	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 700	69.1	79.9	82.6	85.4	87.6	88.9	9[illegible].3	91.6	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	69.1	79.9	82.6	85.7	88.2	89.6	91.2	92.5	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 500	69.1	80.[illegible]	82.9	86.2	88.6	9[illegible].2	91.9	93.2	93.2	94.[illegible]	94.5	94.5	94.5	94.5	94.5	94.5
≥ 400	69.1	80.[illegible]	83.3	86.6	89.6	91.1	93.1	94.8	94.8	95.7	96.2	96.2	96.2	96.3	96.3	96.3
≥ 300	69.1	80.[illegible]	83.3	86.6	89.6	91.2	93.2	95.2	95.2	96.6	97.7	97.7	97.8	98.[illegible]	98.[illegible]	98.[illegible]
≥ 200	69.1	80.[illegible]	83.3	86.6	89.6	91.2	93.5	96.[illegible]	96.[illegible]	97.8	99.1	99.1	99.2	99.4	99.5	99.5
≥ 100	69.1	80.[illegible]	83.3	86.6	89.6	91.2	93.5	96.[illegible]	96.[illegible]	98.[illegible]	99.2	99.2	99.4	99.5	99.8	[illegible].[illegible]
≥ 0	69.1	8[illegible].[illegible]	83.3	86.6	89.6	91.2	93.5	96.[illegible]	96.[illegible]	98.[illegible]	99.2	99.2	99.4	99.5	99.8	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS 651

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

(1)22 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	21.7	22.3	22.8	23.6	24.0	24.5	24.5	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7
≥ 20000	23.6	25.1	26.0	26.3	27.1	27.6	28.2	28.2	28.2	28.4	28.4	28.4	28.5	28.5	28.5	28.7
≥ 18000	23.8	25.3	26.1	26.3	27.1	27.6	28.2	28.2	28.2	28.4	28.4	28.4	28.5	28.5	28.5	28.7
≥ 16000	23.9	25.4	26.3	26.7	27.4	27.9	28.7	28.7	28.7	29.0	29.0	29.0	29.1	29.1	29.1	29.3
≥ 14000	25.3	26.8	27.9	28.4	29.1	29.6	30.4	30.4	30.4	30.7	30.7	30.7	30.8	30.8	30.8	31.0
≥ 12000	26.8	28.7	29.7	30.2	31.1	31.4	32.2	32.2	32.2	32.7	32.7	32.7	32.8	32.8	32.8	33.0
≥ 10000	29.9	31.9	33.0	33.4	34.2	34.7	35.4	35.4	35.4	35.9	35.9	35.9	36.1	36.1	36.1	36.2
≥ 9000	31.0	33.0	34.1	34.5	35.3	35.7	36.5	36.5	36.5	37.0	37.0	37.0	37.1	37.1	37.1	37.3
≥ 8000	32.9	33.9	35.0	35.4	36.2	36.7	37.4	37.4	37.4	37.9	37.9	37.9	38.1	38.1	38.1	38.2
≥ 7000	33.1	35.7	36.8	37.3	38.1	38.5	39.3	39.3	39.3	39.8	39.8	39.8	39.9	39.9	39.9	40.1
≥ 6000	36.7	39.1	40.2	40.7	41.4	41.9	42.7	42.7	42.7	43.1	43.1	43.1	43.3	43.3	43.3	43.5
≥ 5000	42.5	45.1	46.2	46.8	47.6	48.1	48.8	48.8	48.8	49.3	49.3	49.3	49.5	49.5	49.5	49.6
≥ 4500	45.8	48.5	49.6	50.2	51.0	51.5	52.2	52.2	52.2	52.7	52.7	52.7	52.9	52.9	52.9	53.1
≥ 4000	51.9	55.2	56.4	57.3	58.2	58.7	59.5	59.5	59.5	59.9	59.9	59.9	60.1	60.1	60.1	60.4
≥ 3500	56.1	59.3	60.7	61.6	62.6	63.0	63.8	63.8	63.8	64.3	64.3	64.3	64.4	64.4	64.4	64.7
≥ 3000	61.2	65.8	67.3	68.6	69.5	70.3	70.7	70.7	70.7	71.2	71.2	71.2	71.3	71.3	71.3	71.6
≥ 2500	63.8	69.2	70.6	72.0	72.9	73.3	74.1	74.1	74.1	74.6	74.6	74.6	74.7	74.7	74.7	75.0
≥ 2000	66.4	72.4	74.0	76.0	76.9	77.7	78.4	78.4	78.4	78.9	78.9	78.9	79.0	79.0	79.0	79.4
≥ 1800	67.2	73.3	75.3	77.0	78.0	78.7	79.5	79.5	79.5	80.0	80.0	80.0	80.1	80.1	80.1	80.4
≥ 1500	69.2	76.4	78.4	80.4	81.5	82.3	83.5	83.5	83.5	84.0	84.0	84.0	84.1	84.1	84.1	84.4
≥ 1200	69.5	77.8	80.4	83.8	85.5	86.9	88.3	88.8	88.8	89.1	89.2	89.2	89.4	89.4	89.4	89.7
≥ 1000	70.1	79.1	82.1	86.3	88.1	89.7	91.1	91.5	91.5	92.1	92.1	92.1	92.3	92.3	92.3	92.6
≥ 900	70.6	79.7	82.9	87.4	89.4	91.0	92.6	93.1	93.1	93.7	93.7	93.7	93.8	93.8	93.8	94.1
≥ 800	70.6	79.7	82.9	87.4	89.5	91.1	92.8	93.2	93.2	93.8	93.8	93.8	94.0	94.0	94.0	94.3
≥ 700	70.7	80.1	83.2	87.7	90.0	91.5	93.2	93.7	93.7	94.3	94.3	94.3	94.5	94.5	94.5	94.8
≥ 600	70.7	80.1	83.4	88.3	90.6	92.1	94.1	94.5	94.5	95.1	95.1	95.1	95.2	95.2	95.2	95.5
≥ 500	70.7	80.1	83.4	88.4	90.9	92.4	94.3	94.9	94.9	95.7	95.8	95.8	96.0	96.0	96.0	96.3
≥ 400	70.7	80.1	83.5	88.9	91.4	92.9	94.8	95.5	95.5	96.5	96.6	96.6	96.8	96.8	96.8	97.1
≥ 300	70.7	80.1	83.9	88.9	91.4	92.9	94.8	96.0	96.0	97.1	97.2	97.2	97.4	97.4	97.4	97.7
≥ 200	70.7	80.1	83.5	88.9	91.4	92.9	94.8	96.0	96.1	97.5	97.8	97.8	98.5	98.5	98.9	99.5
≥ 100	70.7	80.1	83.5	88.9	91.4	92.9	94.8	96.0	96.1	97.5	97.8	97.8	98.5	98.5	98.9	99.8
≥ 0	70.7	80.1	83.5	88.9	91.4	92.9	94.8	96.0	96.1	97.5	97.8	97.8	98.5	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 699

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible]-2300 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	21.3	22.4	22.6	23.0	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.7
≥ 20000	24.4	25.3	25.7	26.1	27.2	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.8
≥ 18000	24.9	26.	26.3	26.7	27.8	28.	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.4
≥ 16000	24.9	26.	26.3	26.7	27.8	28.	28.	28.	28.0	28.0	28.0	28.0	28.	28.0	28.0	28.4
≥ 14000	25.	26.1	26.4	26.9	28.	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.6
≥ 12000	27.	28.1	28.4	28.9	30.	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.6
≥ 10000	29.7	30.9	31.2	31.7	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.4
≥ 9000	30.6	31.8	32.1	32.6	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	34.3
≥ 8000	31.8	33.3	33.7	34.2	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.9
≥ 7000	35.1	36.5	37.	37.6	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	39.3
≥ 6000	38.8	4 .5	41.	41.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	43.3
≥ 5000	45.3	47.4	48.1	48.5	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	5. .4
≥ 4500	49.9	52.4	53.	53.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.9	54.9	54.9	55.3
≥ 4000	54.7	58.1	58.9	59.5	6 .6	6 .7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	60.9	60.9	61.4
≥ 3500	56.6	62.1	63.2	64.	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.8
≥ 3000	61.8	66.6	68.	68.9	7 .8	70.2	70.2	70.2	7 .2	7 .2	70.2	70.2	70.3	70.3	70.3	70.8
≥ 2500	65.	71.1	73.	73.9	75.	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.7
≥ 2000	66.9	73.3	75.1	76.2	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9	77.9	77.9	78.4
≥ 1800	67.4	74.5	76.4	77.4	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.3	79.3	79.3	79.8
≥ 1500	68.8	76.7	79.	80.4	81.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.7
≥ 1200	7 .5	8 .1	83.6	85.3	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.9
≥ 1000	7 .9	81.3	85.3	87.2	88.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.8
≥ 900	71.3	81.8	86.2	88.7	9 .3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.9	90.9	90.9	91.3
≥ 800	71.4	82.1	86.9	89.8	91.3	92.	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.9
≥ 700	71.4	82.1	87.2	9 .4	92.	92.6	92.9	92.9	92.9	92.9	92.	92.9	93.	93.	93.	93.5
≥ 600	71.4	82.1	87.2	9 .6	92.1	92.7	93.2	93.2	93.2	93.4	93.4	93.4	93.5	93.5	93.5	94.
≥ 500	71.4	82.2	87.3	91.0	92.7	93.4	93.8	93.8	93.8	94.	94.	94.	94.1	94.1	94.1	94.6
≥ 400	71.4	82.2	87.5	91.2	93.2	93.8	94.3	94.3	94.3	94.9	94.9	94.9	95.1	95.1	95.1	95.5
≥ 300	71.4	82.2	87.5	91.2	93.4	94.	94.6	94.6	94.6	95.8	95.8	95.8	96.	96.	96.	96.4
≥ 200	71.4	82.2	87.5	91.2	93.4	94.	94.6	94.7	94.9	96.1	96.3	96.3	96.4	96.4	96.6	97.1
≥ 100	71.4	82.2	87.5	91.2	93.4	94.	94.6	94.7	94.9	96.1	96.3	96.3	96.4	96.8	97.4	99.4
≥ 0	71.4	82.2	87.5	91.2	93.4	94.	94.6	94.7	94.9	96.1	96.3	96.3	96.4	96.8	97.4	100.

TOTAL NUMBER OF OBSERVATIONS 947

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

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

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2[illegible] HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	23.3	23.8	24.5	25.3	25.3	25.5	25.5	25.5	25.6	25.8	25.8	25.9	25.9	25.9	26.7
≥ 20000	24.2	26.2	26.7	27.5	28.2	28.2	28.4	28.4	28.4	28.5	28.7	28.7	28.9	28.9	28.9	29.6
≥ 18000	24.4	26.4	26.9	27.6	28.4	28.4	28.5	28.5	28.5	28.7	28.9	28.9	29.0	29.0	29.0	29.8
≥ 16000	24.4	26.4	26.9	27.6	28.4	28.4	28.5	28.5	28.5	28.7	28.9	28.9	29.0	29.0	29.0	29.8
≥ 14000	24.7	26.9	27.5	28.2	29.0	29.0	29.2	29.2	29.2	29.3	29.5	29.5	29.6	29.6	29.6	30.4
≥ 12000	25.5	27.6	28.4	29.2	29.9	29.9	30.1	30.1	30.1	30.2	30.4	30.4	30.6	30.6	30.6	31.3
≥ 10000	28.3	30.7	31.5	32.3	33.0	33.0	33.2	33.2	33.2	33.3	33.5	33.5	33.6	33.6	33.6	34.4
≥ 9000	29.5	31.6	32.4	33.3	34.1	34.1	34.3	34.3	34.3	34.4	34.6	34.6	34.7	34.7	34.7	35.5
≥ 8000	30.4	32.6	33.5	34.3	35.0	35.0	35.2	35.2	35.2	35.3	35.5	35.5	35.6	35.6	35.6	36.4
≥ 7000	31.6	34.4	35.3	36.1	36.9	36.9	37.0	37.0	37.0	37.2	37.3	37.3	37.5	37.5	37.5	38.3
≥ 6000	35.8	39.1	40.0	40.7	41.5	41.5	41.7	41.7	41.7	41.8	42.0	42.1	42.1	42.1	42.1	42.9
≥ 5000	41.9	44.3	45.2	46.1	46.9	46.9	47.1	47.1	47.3	47.2	47.4	47.4	47.5	47.5	47.5	48.3
≥ 4500	46.3	51.8	51.7	52.8	53.5	53.5	53.7	53.7	53.7	53.9	54.0	54.0	54.2	54.2	54.2	54.9
≥ 4000	52.2	57.4	58.8	59.9	60.6	60.6	60.8	60.8	60.8	61.0	61.1	61.1	61.3	61.3	61.3	62.0
≥ 3500	54.9	61.6	62.2	63.3	64.0	64.0	64.2	64.2	64.2	64.4	64.5	64.5	64.7	64.7	64.7	65.4
≥ 3000	58.5	64.7	66.5	68.1	68.8	68.8	69.0	69.0	69.0	69.1	69.3	69.3	69.4	69.4	69.4	70.2
≥ 2500	61.0	68.2	70.5	72.1	72.8	72.8	73.0	73.0	73.0	73.1	73.3	73.3	73.5	73.5	73.5	74.2
≥ 2000	61.4	70.4	72.7	74.5	75.5	75.5	75.6	75.6	75.6	75.8	75.9	75.9	76.1	76.1	76.1	76.9
≥ 1800	62.3	71.8	74.1	76.1	77.1	77.1	77.2	77.2	77.2	77.3	77.5	77.5	77.6	77.6	77.6	78.4
≥ 1500	63.4	74.1	76.5	78.5	79.6	79.6	79.8	79.8	79.8	79.9	80.1	80.1	80.2	80.2	80.2	81.0
≥ 1200	65.1	77.6	81.0	83.3	84.7	84.7	84.9	84.9	84.9	85.0	85.2	85.2	85.3	85.3	85.3	86.1
≥ 1000	65.7	79.5	83.1	86.0	87.3	87.5	87.7	87.7	87.7	87.8	88.0	88.0	88.1	88.1	88.1	88.9
≥ 900	65.9	79.8	83.8	86.7	88.3	88.6	88.9	88.9	88.9	89.1	89.2	89.2	89.4	89.4	89.4	90.1
≥ 800	66.0	80.2	84.4	87.3	88.9	89.2	89.8	89.8	89.8	90.0	90.1	90.1	90.3	90.3	90.3	91.2
≥ 700	66.0	80.2	84.6	87.5	89.2	89.5	90.1	90.1	90.1	90.3	90.4	90.4	90.6	90.6	90.6	91.7
≥ 600	66.0	80.2	84.9	87.8	89.5	89.8	90.4	90.4	90.4	90.7	90.8	90.8	90.9	90.9	90.9	92.0
≥ 500	66.0	80.2	85.2	88.1	89.8	90.1	90.7	90.7	90.7	90.9	91.1	91.1	91.2	91.2	91.2	92.3
≥ 400	66.0	80.2	85.5	88.5	90.2	90.5	91.2	91.2	91.2	91.4	91.6	91.6	91.7	91.7	91.7	92.8
≥ 300	66.0	80.2	85.7	88.7	90.4	90.7	91.4	91.4	91.4	91.6	91.8	91.8	91.9	91.9	91.9	93.0
≥ 200	66.0	80.2	85.5	88.7	90.4	90.7	91.4	91.4	91.4	91.6	91.8	91.8	91.9	91.9	91.9	93.0
≥ 100	66.0	80.2	85.5	88.7	90.4	90.7	91.4	91.4	91.4	91.6	91.8	91.8	91.9	91.9	91.9	93.0
≥ 0	66.0	80.2	85.5	88.7	90.4	90.7	91.4	91.4	91.4	91.6	91.8	91.8	91.9	91.9	91.9	93.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	7.2	18.1	18.6	19.0	19.5	19.6	19.7	19.8	19.8	[illegible]	[illegible]	[illegible]	[illegible]	20.3	[illegible]	21.1
≥ 20000	9.7	21.8	21.9	21.8	22.3	22.4	22.6	22.7	22.7	22.9	22.9	22.9	23.1	23.2	23.5	24.1
≥ 18000	[illegible]	21.2	21.7	22.2	22.7	22.8	22.9	23.0	23.0	23.2	23.3	23.3	23.5	23.5	23.9	24.5
≥ 16000	[illegible]	21.3	21.9	22.3	22.8	22.9	23.2	23.2	23.3	23.5	23.5	23.5	23.7	23.8	24.1	24.7
≥ 14000	[illegible]	22.1	22.7	23.2	23.7	23.8	24.0	24.1	24.1	24.4	24.4	24.4	24.6	24.7	25.0	25.6
≥ 12000	[illegible]	23.4	24.0	24.5	25.0	25.2	25.4	25.5	25.5	25.7	25.8	25.8	26.0	26.0	26.4	27.0
≥ 10000	[illegible]	25.7	26.4	26.9	27.4	27.5	27.8	27.9	27.9	28.1	28.2	28.2	28.4	28.4	28.8	29.4
≥ 9000	[illegible]	26.8	27.5	28.1	28.6	28.7	28.9	29.1	29.2	29.3	29.3	29.3	29.5	29.6	29.9	30.5
≥ 8000	[illegible]	27.8	28.5	29.1	29.6	29.7	[illegible]	30.1	30.1	30.3	30.4	30.4	30.6	30.6	31.0	31.6
≥ 7000	[illegible]	30.3	31.1	31.6	32.1	32.3	32.5	32.6	32.6	32.9	32.9	32.9	33.1	33.2	33.5	34.1
≥ 6000	[illegible]	33.8	34.6	35.2	35.7	35.9	36.1	36.2	36.2	36.4	36.5	36.5	36.7	36.8	37.1	37.7
≥ 5000	[illegible]	39.8	40.5	41.2	41.7	41.9	42.2	42.2	42.2	42.5	42.6	42.6	42.8	42.8	43.2	43.8
≥ 4500	[illegible]	43.7	44.6	45.2	45.8	45.9	46.2	46.3	46.3	46.6	46.7	46.7	46.9	46.9	47.3	47.9
≥ 4000	[illegible]	51.0	52.7	52.9	53.5	53.6	53.9	54.0	54.0	54.3	54.3	54.3	54.6	54.6	55.2	55.8
≥ 3500	[illegible]	55.1	56.3	57.2	57.8	58.0	58.3	58.3	58.3	58.6	58.7	58.7	58.9	58.9	59.3	59.9
≥ 3000	[illegible]	[illegible]	62.3	63.4	[illegible]	64.2	64.5	64.6	64.6	64.8	64.9	64.9	65.2	65.2	65.6	66.2
≥ 2500	[illegible]	64.9	66.5	67.7	68.4	68.5	68.9	68.9	68.9	69.2	69.3	69.3	69.5	69.6	69.9	70.6
≥ 2000	[illegible]	67.7	69.6	71.0	[illegible]	71.9	72.3	72.4	72.4	72.6	72.7	72.7	73.0	73.0	73.4	74.0
≥ 1800	[illegible]	69.3	71.2	72.7	73.4	73.6	[illegible]	[illegible]	74.1	74.3	74.4	74.4	74.7	74.7	75.1	75.7
≥ 1500	[illegible]	71.9	74.1	75.7	76.5	76.9	77.3	77.4	77.4	77.6	77.7	77.7	78.0	78.0	78.4	79.0
≥ 1200	[illegible]	74.7	77.4	79.6	80.8	81.2	81.7	81.9	82.0	82.3	82.3	82.3	82.6	82.6	83.0	83.7
≥ 1000	[illegible]	76.6	79.7	82.3	83.7	84.2	84.7	85.0	85.0	85.4	85.5	85.5	85.7	85.8	86.2	86.8
≥ 900	[illegible]	77.1	80.6	83.4	84.8	85.4	86.0	86.2	86.3	86.6	86.7	86.7	87.0	87.0	87.4	88.1
≥ 800	[illegible]	77.4	81.0	84.1	85.6	86.1	86.9	87.2	87.2	87.6	87.7	87.7	88.0	88.0	88.4	89.1
≥ 700	[illegible]	77.6	81.3	84.5	86.1	86.6	87.5	87.8	87.8	88.2	88.3	88.3	88.6	88.6	89.0	89.7
≥ 600	[illegible]	77.6	81.4	84.8	86.5	87.1	88.2	88.6	88.6	89.1	89.1	89.1	89.5	89.5	89.9	90.6
≥ 500	[illegible]	77.8	81.7	85.4	87.2	87.9	89.1	89.5	89.5	90.1	90.2	90.2	90.6	90.6	91.0	91.7
≥ 400	[illegible]	77.9	82.0	85.9	87.9	88.7	90.1	90.6	90.6	91.4	91.6	91.6	91.9	92.0	92.4	93.2
≥ 300	[illegible]	77.9	82.1	86.1	88.2	89.1	90.6	91.3	91.4	92.4	92.8	92.8	93.3	93.3	93.9	94.8
≥ 200	[illegible]	77.9	82.1	86.1	88.3	89.1	90.9	91.8	92.0	93.4	94.0	94.0	94.9	95.0	95.9	97.1
≥ 100	[illegible]	77.9	82.1	86.1	88.4	89.1	91.0	91.9	92.1	93.5	94.2	94.2	95.3	95.4	96.8	99.3
≥ 0	[illegible]	77.9	82.1	86.1	88.4	89.1	91.0	91.9	92.1	93.5	94.2	94.2	95.3	95.5	96.9	[illegible]

TOTAL NUMBER OF OBSERVATIONS 5196

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	37.5	37.6	38.	38.3	38.5	38.6	38.6	38.7	38.7	38.8	38.8	38.8	38.9	38.9	39.	39.2
≥ 20000	39.6	40.9	41.4	41.7	41.9	41.9	42.1	42.1	42.2	42.2	42.3	42.3	42.4	42.4	42.5	42.7
≥ 18000	38.8	41.2	41.8	42.0	42.2	42.2	42.3	42.4	42.4	42.4	42.5	42.5	42.6	42.6	42.8	42.9
≥ 16000	38.9	41.3	41.7	42.1	42.3	42.3	42.4	42.5	42.5	42.6	42.6	42.6	42.7	42.7	42.9	43.1
≥ 14000	41.0	42.4	42.8	43.2	43.4	43.4	43.5	43.6	43.6	43.7	43.8	43.8	43.9	43.9	44.1	44.2
≥ 12000	41.8	44.1	44.6	45.1	45.2	45.2	45.3	45.4	45.4	45.5	45.6	45.6	45.7	45.7	45.8	46.0
≥ 10000	43.5	46.1	46.5	46.9	47.1	47.2	47.3	47.3	47.4	47.5	47.5	47.5	47.6	47.6	47.8	48.0
≥ 9000	44.5	47.1	47.6	48.1	48.2	48.3	48.4	48.4	48.5	48.6	48.6	48.6	48.7	48.7	48.9	49.1
≥ 8000	45.6	48.4	48.9	49.3	49.5	49.5	49.7	49.7	49.7	49.8	49.9	49.9	50.0	50.0	50.2	50.4
≥ 7000	48.0	50.9	51.4	51.6	52.0	52.1	52.2	52.3	52.3	52.4	52.4	52.4	52.5	52.6	52.7	52.9
≥ 6000	51.5	54.6	55.1	55.5	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.3	56.3	56.4	56.6
≥ 5000	56.7	60.1	60.6	61.0	61.3	61.3	61.5	61.5	61.5	61.6	61.7	61.7	61.8	61.8	62.0	62.2
≥ 4500	59.7	63.3	63.9	64.3	64.6	64.6	64.8	64.8	64.8	64.9	65.	65.0	65.1	65.1	65.3	65.5
≥ 4000	64.9	69.1	69.7	70.2	70.5	70.5	70.7	70.8	70.8	70.9	71.0	71.0	71.1	71.1	71.2	71.4
≥ 3500	68.4	73.	73.7	74.2	74.5	74.6	74.7	74.8	74.8	74.9	75.0	75.0	75.1	75.1	75.3	75.4
≥ 3000	72.8	78.2	79.	79.6	79.9	79.9	80.1	80.2	80.2	80.3	80.4	80.4	80.5	80.5	80.7	80.9
≥ 2500	75.6	81.8	82.7	83.4	83.8	83.8	84.0	84.1	84.1	84.2	84.3	84.3	84.4	84.4	84.6	84.8
≥ 2000	77.4	84.5	85.6	86.4	86.7	86.8	87.0	87.1	87.1	87.2	87.3	87.3	87.4	87.4	87.6	87.8
≥ 1800	78.1	85.5	86.6	87.5	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.5	88.6	88.6	88.7	88.9
≥ 1500	79.2	87.5	88.7	89.7	90.2	90.3	90.5	90.6	90.6	90.8	90.8	90.8	91.0	91.0	91.1	91.3
≥ 1200	80.4	89.2	90.7	91.9	92.4	92.6	92.8	92.9	93.0	93.1	93.2	93.2	93.3	93.3	93.5	93.7
≥ 1000	80.5	90.1	91.8	93.1	93.7	93.9	94.1	94.3	94.3	94.5	94.5	94.5	94.7	94.7	94.9	95.1
≥ 900	80.6	90.4	92.3	93.6	94.2	94.4	94.7	94.8	94.9	95.0	95.1	95.1	95.2	95.2	95.4	95.6
≥ 800	80.6	90.5	92.4	93.9	94.6	94.8	95.2	95.3	95.4	95.5	95.6	95.6	95.7	95.8	95.9	96.1
≥ 700	80.4	90.7	92.8	94.2	94.9	95.1	95.5	95.7	95.8	96.0	96.0	96.0	96.2	96.2	96.4	96.6
≥ 600	80.7	90.7	92.8	94.4	95.2	95.4	95.8	96.1	96.1	96.3	96.4	96.4	96.5	96.5	96.7	96.9
≥ 500	80.7	90.8	92.9	94.6	95.4	95.7	96.2	96.5	96.5	96.8	96.9	96.9	97.0	97.1	97.2	97.4
≥ 400	80.7	90.8	93.	94.8	95.6	95.9	96.5	96.8	96.9	97.2	97.3	97.3	97.5	97.5	97.7	97.9
≥ 300	80.7	90.8	93.1	94.8	95.7	96.1	96.7	97.1	97.2	97.5	97.8	97.8	98.0	98.0	98.3	98.5
≥ 200	80.7	90.8	93.1	94.8	95.8	96.1	96.8	97.2	97.3	97.8	98.	98.1	98.4	98.4	98.8	99.2
≥ 100	80.7	90.8	93.1	94.8	95.8	96.1	96.8	97.2	97.3	97.8	98.1	98.1	98.5	98.5	99.0	99.8
≥ 0	80.7	90.8	93.1	94.8	95.8	96.1	96.8	97.2	97.3	97.8	98.1	98.1	98.5	98.5	99.1	100.1

TOTAL NUMBER OF OBSERVATIONS 61597

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

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

STATION	STATION NAME	PERIOD	MONTH
24229	PORTLAND IAP OR	73-79	JAN

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	18.1			5.7	1.1				.8	9.1	65.1	7.6	645
	03-05	15.5	.8		5.6	1.4	.3	.2		2.2	7.8	66.3	7.8	644
	06-08	14.3			7.1	.2				.8	9.9	67.7	7.9	644
	09-11	8.5	1.1		7.2	1.5	.3	.2		2.0	14.0	65.2	8.3	649
	12-14	13.5			8.8	.8				.3	14.8	64.9	8.1	650
	15-17	10.1	.8		8.0	1.2	1.1	.8		2.2	11.1	64.8	8.0	651
	18-20	14.8			9.6	1.1				.2	10.2	64.3	7.7	649
	21-23	20.6	.8		5.2	1.2	.2			2.0	6.9	63.1	7.3	650
TOTALS		14.1	.4		7.2	1.1	.2	.2		1.3	10.5	65.2	7.8	5182

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (PERIOD) FEB (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		
FEB	00-02	12.1			9.9						15.6	62.4	7.9	585
	03-05	8.9	.7		5.8	.9	.2	.5		2.2	10.8	70.0	8.4	584
	06-08	4.6			5.7						15.8	74.0	9.0	584
	09-11	3.7	.5		5.3	.5	.2			3.4	16.0	70.4	8.9	587
	12-14	5.1			9.1						20.0	65.8	8.7	591
	15-17	6.4	1.2		8.5	1.0	.8	.7		3.0	16.6	61.8	8.3	591
	18-20	8.9			13.5						13.1	64.6	8.0	587
	21-23	12.2	1.0		10.7	.7	.5	.8		2.5	12.4	59.2	7.7	591
TOTALS		7.7	.4		8.6	.4	.2	.3		1.4	15.0	66.0	8.4	4700

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

3

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
24229	PORTLAND IAP OR	73-79	MAR

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	17.7			8.0						16.1	58.2	7.5	651
	03-05	15.0	1.4		8.8	.5	.3	.8		2.8	10.4	60.1	7.5	647
	06-08	7.5			11.2						16.8	64.6	8.3	644
	09-11	5.8	1.1		10.9	.5	1.7	.6		2.6	18.0	58.8	8.2	650
	12-14	4.8			14.4						25.3	55.5	8.3	651
	15-17	2.8	1.1		14.6	.5	.8	1.4		3.4	23.3	52.2	8.2	651
	18-20	7.7			16.1						21.8	54.4	7.9	651
	21-23	15.7	1.1		11.1	1.4	.6	.5		4.5	12.7	52.5	7.2	651
TOTALS		9.6	.6		11.9	.4	.4	.4		1.7	18.1	57.0	7.9	5196

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

24229	PORTLAND IAP OR	73-79	APR
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		
APR	00-02	17.2			15.6						16.9	50.3	7.0	628
	03-05	15.2	1.3		17.7	.8	.6	1.6		1.9	15.0	53.0	7.3	627
	06-08	7.8			10.8						20.7	60.6	8.3	627
	09-11	7.9	1.0		10.3	.3	.6	.8		3.3	17.3	58.3	8.1	629
	12-14	8.1			15.7						24.0	52.2	7.9	630
	15-17	7.3	1.4		12.6	.8	1.0	.3		4.9	23.8	47.9	7.8	629
	18-20	7.6			18.3						25.1	49.0	7.7	629
	21-23	16.2	2.1		14.6	1.9	.5	1.0		3.3	16.3	44.1	6.8	630
TOTALS		11.9	.7		13.6	.5	.3	.5		1.7	19.9	51.9	7.6	5029

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (PERIOD) MAY (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		
MAY	00-02	23.2			16.6						15.2	45.0	6.4	651
	3-05	14.7	1.1		12.1	.6	1.4	1.1		3.5	17.5	47.9	7.2	651
	06-08	12.0			12.7						22.4	52.8	7.7	651
	09-11	10.0	1.5		12.4	.9	.6	.8		4.3	23.8	45.6	7.6	651
	12-14	10.1			17.2						27.0	45.6	7.5	651
	15-17	9.1	2.0		16.7	1.2	.9	.6		4.8	26.7	37.9	7.2	651
	18-20	11.4	.2		24.6						25.3	38.6	6.9	651
	21-23	20.9	1.8		15.4	1.1	.9	.9		3.2	17.7	38.1	6.3	651
TOTALS		13.9	.8		16.0	.5	.5	.4		2.0	22.0	43.9	7.1	5208

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (PERIOD) JUN (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		
JUN	00-02	27.6			16.1					.2	16.6	39.5	5.9	627
	03-05	21.0	.8		11.6	.8	.5	.5		2.2	18.8	43.9	6.7	629
	06-08	15.6			15.9						16.7	51.8	7.2	628
	09-11	16.0	1.1		11.7	.8	.5	1.1		3.8	21.1	43.8	7.1	630
	12-14	19.5			16.5						26.0	37.9	6.6	630
	15-17	17.5	1.9		18.1	1.3	1.0	1.0		4.1	20.8	34.4	6.4	630
	18-20	21.6			20.8						23.5	34.1	6.2	630
	21-23	28.4	1.7		15.4	.6	.2	2.1		3.2	14.3	34.1	5.6	630
TOTALS		20.9	.7		15.8	.4	.3	.6		1.7	19.7	40.0	6.5	5034

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

24229	PORTLAND IAP OR	73-79	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	0-02	41.9			16.0						14.9	27.2	4.5	651
	03-05	31.0	1.7		10.3	.8	.9	1.4		2.3	15.4	36.3	5.7	651
	06-08	23.6			13.1						12.8	50.5	6.6	648
	09-11	29.0	1.4		9.9	.2	.6	.9		2.3	17.7	38.0	6.0	648
	12-14	38.5			14.5						17.8	29.2	5.0	650
	15-17	36.9	2.2		15.1	.8	.6	.8		4.0	19.2	20.6	4.7	651
	18-20	34.3			26.4						17.8	21.5	4.5	651
	21-23	43.9	1.2		17.4	.9	.3	1.4		1.7	12.1	21.0	4.0	651
TOTALS		34.9	.8		15.3	.3	.3	.6		1.3	16.0	30.5	5.1	5201

USAFETAC FORM JUL 44 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

24229	PORTLAND IAP OR	73-79	AUG
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		
AUG	00-02	41.3			12.0						15.7	31.0	4.9	651
	03-05	27.0	1.8		12.6	.3	.5	1.1		1.7	9.5	45.5	6.0	651
	06-08	11.4			14.9						14.7	59.0	7.7	651
	09-11	20.3	2.0		12.8	1.1	.8	.5		2.3	14.9	45.4	6.6	650
	12-14	27.9			21.7						17.1	33.3	5.5	649
	15-17	29.5	3.1		19.8	1.4	1.5	1.1		2.0	15.5	26.1	5.0	651
	18-20	33.6			20.4						20.0	26.0	5.0	651
	21-23	42.1	1.7		15.2	.8	.5	.5		2.8	10.9	25.7	4.3	651
TOTALS		29.1	1.1		16.2	.5	.4	.4		1.1	14.8	36.5	5.6	5205

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (PERIOD) SEP (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		
SEP	00-02	47.1			12.1						11.3	29.6	4.3	629
	03-05	35.6	1.3		10.7	.6	.2	.3		1.6	10.7	30.0	5.4	626
	06-08	22.6			12.3						17.1	48.0	6.7	625
	09-11	27.5	.8		10.9	1.0	1.3	.8		3.0	18.5	36.3	6.0	626
	12-14	33.7			16.2						19.2	30.9	5.3	624
	15-17	35.1	.8		13.7	.6	1.4	.8		3.2	19.8	24.6	5.1	630
	18-20	38.5			15.9						18.3	27.2	4.8	628
	21-23	47.1	1.9		11.4	1.1	.5	.5		2.7	10.3	24.4	4.0	630
TOTALS		35.9	.6		12.9	.4	.4	.3		1.3	15.7	32.5	5.2	5018

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

24229	PORTLAND IAP OR	73-79	OCT
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		
OCT	00-02	31.4			10.4						14.8	43.5	6.0	637
	03-05	21.2	1.1		8.5	.9	.5	.5		3.8	14.0	49.5	6.9	636
	06-08	11.5			11.4						19.2	59.0	7.9	637
	09-11	14.6	.5		11.2	.5	1.1	.5		2.6	17.1	51.9	7.4	643
	12-14	20.0			14.8						21.1	44.1	6.8	649
	15-17	19.8	2.8		12.9	1.2	.5	1.4		3.4	16.9	41.2	6.5	651
	18-20	26.4			16.6						14.3	42.7	6.1	651
	21-23	30.9	1.2		13.1	1.1	.5	.6		2.3	13.6	36.7	5.6	648
TOTALS		22.0	.7		12.2	.5	.3	.4		1.5	16.4	46.1	6.7	5152

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

24229	PORTLAND IAP OR	73-79	NOV
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		
NOV	0-02	13.9			10.3						13.4	62.4	7.8	611
	03-05	11.2	.2		8.6	.8	.2	.3		2.9	10.4	65.4	8.0	615
	06-08	6.9			7.2						14.0	71.8	8.7	607
	9-11	7.8	.5		6.5	.3	.8	.6		2.1	14.5	66.9	8.5	619
	12-14	8.9			10.5						17.4	63.2	8.2	627
	15-17	9.4	.3		9.5	.5	.8	.6		3.7	18.3	57.0	8.0	630
	18-20	13.5			13.5						12.9	60.2	7.6	630
	21-23	16.4	.6		9.0	1.0	.5	.6		3.4	10.9	57.6	7.4	623
TOTALS		11.0	.2		9.4	.3	.3	.3		1.5	14.0	63.1	8.0	4962

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (PERIOD) DEC (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		
DEC	00-02	7.1			8.7						14.3	69.9	8.5	635
	03-05	6.1	.2		6.1	.5	.8	.8		2.3	8.2	75.1	8.7	643
	06-08	4.7			7.2						11.4	76.8	8.9	643
	09-11	4.3	.5		6.7	.3	.3			1.4	13.3	73.2	8.9	645
	12-14	4.5			9.4						17.4	68.8	8.7	651
	15-17	5.4	.3		10.3	.9	.5	1.2		2.0	15.6	63.8	8.4	649
	18-20	10.6			9.0						15.7	64.8	8.2	644
	21-23	11.2	.6		9.8	.9	.5	.8		1.6	11.7	63.0	7.9	643
TOTALS		6.7	.2		8.4	.3	.3	.4		.9	13.5	69.4	8.5	5153

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

3

SKY COVER

24229	PORTLAND IAP OR	73-79	ALL
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	ALL	14.1	.4		7.2	1.1	.2	.2		1.3	10.5	65.2	7.8	5182
FEB		7.7	.4		8.6	.4	.2	.3		1.4	15.0	66.0	8.4	4700
MAR		9.6	.6		11.9	.4	.4	.4		1.7	18.1	57.0	7.9	5196
APR		10.9	.7		13.6	.5	.3	.5		1.7	19.9	51.9	7.6	5062
MAY		13.9	.8		16.0	.5	.5	.4		2.0	22.0	43.9	7.1	5208
JUN		20.9	.7		15.8	.4	.3	.6		1.7	19.7	40.0	6.5	5034
JUL		34.9	.8		15.3	.3	.3	.6		1.3	16.0	30.5	5.1	5201
AUG		29.1	1.1		16.2	.5	.4	.4		1.1	14.8	36.5	5.6	5205
SEP		35.9	.6		12.9	.4	.4	.3		1.3	15.7	32.5	5.2	5018
OCT		22.0	.7		12.2	.5	.3	.4		1.5	16.4	46.1	6.7	5152
NOV		11.7	.2		9.4	.3	.3	.3		1.5	14.0	63.1	8.0	4962
DEC		6.7	.2		8.4	.3	.3	.4		.9	13.5	69.4	8.5	5153
TOTALS		18.1	.6		12.3	.5	.3	.4		1.5	16.3	50.2	7.0	61040

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.

Va[illegible] ns [illegible] r deviati[illegible] s to not include measurement, for [illegible] re.

Continued on Reverse

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

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

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

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

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

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

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

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

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

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

74 29966

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (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
≥ 105							.1	.1					.0
≥ 100							.9	1.5					.2
≥ 95						.8	3.8	3.4	.8				.8
≥ 90					.6	4.3	11.5	10.4	4.8	.1			2.7
≥ 85				.1	4.2	11.7	27.7	23.2	13.3	.6			6.8
≥ 80				1.0	10.6	23.0	47.9	40.9	25.5	2.4			12.7
≥ 75				4.7	20.3	39.1	69.0	66.3	44.8	8.6			21.2
≥ 70		.1	3.0	13.3	34.8	60.7	89.1	88.1	67.1	20.3	.2		31.6
≥ 65		1.1	8.3	24.8	54.0	82.4	97.8	97.9	87.2	40.7	2.1		41.6
≥ 60	.9	7.3	19.8	44.9	78.4	96.8	100.0	99.9	98.6	67.6	12.3	1.1	52.5
≥ 55	7.6	22.8	44.4	77.4	96.0	99.7		100.0	99.8	89.0	38.9	9.4	65.6
≥ 50	24.2	52.7	77.6	95.4	99.8	100.0			100.0	98.2	69.6	31.5	79.1
≥ 45	50.8	83.4	95.1	99.8	100.0					99.8	88.3	62.0	89.9
≥ 40	72.8	94.6	98.9	100.0						100.0	96.9	87.4	95.8
≥ 35	86.2	98.0	99.8								99.1	95.5	98.2
≥ 30	95.3	99.4	99.9								99.5	98.4	99.4
≥ 25	98.5	99.8	100.0								100.0	99.3	99.8
≥ 20	99.9	99.9										99.5	99.9
≥ 15	100.0	100.0										99.9	100.0
≥ 10												100.0	100.0
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
MEAN	43.8	50.0	54.3	59.9	66.9	72.9	79.3	78.6	74.1	63.4	52.3	46.3	61.8
S D	8.006	6.602	6.803	7.432	8.718	8.635	8.290	8.163	8.442	7.541	6.603	6.679	14.331
TOTAL OBS	992	904	992	960	992	960	992	992	960	992	960	992	11688

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

24229 (STATION) PORTLAND IAP OR (STATION NAME) 48-79 (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
≥ 65						.4	1.0	1.0					.2
≥ 60					.1	4.1	14.1	18.1	2.5	.1			3.3
≥ 55				.2	4.4	30.2	66.0	66.3	27.7	3.5	.2	.1	16.7
≥ 50	.8	1.0	.8	3.9	24.8	73.6	93.6	91.9	63.3	20.0	3.5	1.0	31.7
≥ 45	5.4	6.2	8.5	21.1	65.8	96.9	99.8	99.8	88.0	51.4	20.5	6.7	47.7
≥ 40	21.1	29.3	37.7	58.7	91.9	99.9	100.0	100.0	97.7	79.6	48.9	28.5	66.3
≥ 35	45.0	60.5	70.0	88.7	99.1	100.0			99.8	95.1	74.0	59.1	82.7
≥ 33	57.3	70.5	81.1	95.4	99.7				100.0	97.5	80.7	70.0	87.7
≥ 30	71.8	84.8	91.8	99.8	99.9					99.5	89.2	82.5	93.3
≥ 25	84.6	96.3	99.0	100.0	100.0					100.0	97.5	94.4	97.6
≥ 20	92.5	98.7	99.9								99.3	97.9	99.0
≥ 15	96.9	99.7	100.0								99.9	98.9	99.6
≥ 10	99.1										100.0	99.5	99.9
≥ 5	99.9											100.0	100.0
≥ 0		99.9											100.0
≥ -5	100.0	100.0											100.0
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
MEAN	32.8	35.7	37.4	40.6	46.3	52.3	55.7	55.9	51.0	44.5	38.6	35.4	43.9
S D	8.224	6.391	5.492	4.931	4.827	4.248	3.647	4.011	5.227	5.850	6.986	6.845	9.770
TOTAL OBS	992	904	992	960	992	960	992	992	960	992	960	992	11688

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

24229 PORTLAND IAP OR 48-79
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
≥ 85								.1					.0
≥ 80						.3	1.9	1.7					.3
≥ 75					.1	2.9	10.7	8.2	1.2				2.0
≥ 70					2.0	12.6	35.7	32.1	10.3				7.8
≥ 65				.5	10.6	34.5	70.3	69.7	35.1	2.5			18.7
≥ 60			.1	4.3	30.0	69.4	97.0	97.5	74.5	15.4	.2		32.6
≥ 55	.2	1.5	4.3	19.8	62.7	96.0	100.0	99.9	95.0	48.1	4.9	.9	44.7
≥ 50	5.7	11.1	23.3	54.9	91.5	99.8		100.0	100.0	80.8	28.7	7.1	58.8
≥ 45	23.4	39.9	62.0	90.3	99.7	100.0				96.6	60.5	29.9	75.3
≥ 40	48.4	77.2	92.1	99.9	100.0					99.7	85.2	63.2	88.8
≥ 35	74.2	94.2	98.8	100.0						100.0	95.3	87.1	95.8
≥ 30	96.1	98.2	99.9								99.1	96.3	98.3
≥ 25	99.4	99.1	100.0								99.7	98.2	99.3
≥ 20	98.1	99.7									100.0	99.3	99.8
≥ 15	99.7											99.6	99.9
≥ 1	99.9	99.9										100.0	100.0
≥ 0	100.0	100.0											100.0
MEAN	38.5	43.1	46.0	50.5	56.8	62.8	67.7	67.4	62.8	54.1	45.7	41.1	53.0
S D	7.823	5.764	4.832	4.821	5.624	5.496	5.135	4.931	5.153	5.351	6.070	6.378	11.483
TOTAL OBS	992	904	992	960	992	960	992	992	960	992	960	992	11688

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

24229 PORTLAND IAP OR 48-79

STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	52	65	72	70	85	93	92	83	94	73	55	52	94
49	44	62	61	75	86	87	93	93	91	68	68	56	93
50	48	61	62	77	85	88	90	95	91	72	60	64	95
51	58	62	63	81	85	97	93	94	91	79	64	51	97
52	57	59	65	76	87	83	98	99	96	89	62	56	99
53	61	58	72	70	86	80	91	95	88	77	62	59	95
54	58	60	63	73	86	82	82	82	83	72	69	54	86
55	52	55	60	73	77	95	86	90	98	75	61	61	98
56	57	50	70	84	89	81	102	93	85	81	59	58	102
57	54	63	62	87	83	79	87	86	92	72	60	58	92
58	62	66	67	77	89	95	102	95	97	84	63	62	102
59	57	61	65	77	83	86	98	88	89	73	63	59	98
60	58	57	73	77	79	86	97	100	89	78	61	54	100
61	59	60	65	71	91	94	104	98	83	80	61	59	104
62	59	59	69	80	70	85	92	87	93	75	67	58	93
63	55	65	67	70	91	90	83	93	89	74	59	52	93
64	53	60	74	67	84	83	89	94	81	80	56	59	94
65	55	61	72	80	78	93	107	91	88	82	63	60	107
66	55	60	74	75	87	95	89	93	91	81	66	58	95
67	58	62	61	66	87	91	99	102	94	73	63	58	102
68	56	70	67	81	79	93	99	92	92	72	62	52	99
69	53	57	73	72	88	97	91	88	92	74	70	56	97
70	61	64	65	66	86	98	102	97	88	90	69	59	102
71	60	62	65	76	91	90	97	101	82	82	60	55	101
72	58	62	72	78	92	88	97	104	97	78	63	61	104
73	59	63	68	74	92	93	99	94	97	70	58	56	99
74	62	56	70	75	78	90	94	95	96	81	66	60	96
75	59	64	63	72	88	90	95	87	92	86	73	60	95
76	58	60	66	82	84	89	92	86	87	82	68	54	92
77	56	68	64	79	76	88	93	105	88	72	63	61	105
MEAN													
S D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM JUL 64 0-86-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

24229 PORTLAND IAP OR 48-79

STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	55	64	71	74	84	91	98	101	80	78	61	54	101
79	49	57	73	83	88	92	104	88	92	86	64	62	104
MEAN	56.2	61.0	67.3	75.6	84.8	89.4	94.8	93.4	90.2	77.8	63.1	57.4	97.9
S D	4.041	3.931	4.366	5.199	5.177	[illegible]168	6.134	5.940	4.895	5.627	4.106	3.350	4.724
TOTAL OBS	992	904	992	960	992	960	992	992	960	992	960	992	11688

NOTES # (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

24229 PORTLAND IAP OR 48-79
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	24	24	30	32	34	52	48	50	41	32	29	22	22
49	9	23	31	32	36	41	48	45	40	27	29	25	9
50	-2	-3	28	31	38	45	48	47	36	33	26	35	-3
51	16	26	26	29	37	46	48	44	39	31	31	22	16
52	20	28	28	32	33	42	47	49	42	37	18	25	18
53	29	27	28	31	37	43	48	48	38	33	31	33	27
54	19	25	23	31	29	42	45	48	35	32	30	26	19
55	25	20	19	29	36	44	43	45	38	38	13	23	13
56	13	16	24	30	36	46	48	48	42	35	22	23	13
57	6	22	27	32	43	46	46	47	39	34	26	32	6
58	26	27	27	34	36	50	51	50	42	30	23	27	23
59	20	29	31	33	37	45	47	46	43	31	25	22	16
60	22	19	22	33	33	47	47	47	41	33	30	23	19
61	23	35	30	33	39	42	49	51	34	32	23	21	21
62	9	20	28	35	34	44	44	46	42	38	31	22	9
63	11	32	28	33	36	44	46	47	44	30	26	20	11
64	28	23	29	30	32	42	47	46	39	32	25	6	6
65	29	29	25	32	35	41	50	46	34	36	32	19	19
66	24	26	29	32	37	39	52	48	46	34	33	32	24
67	31	27	25	31	39	46	52	51	43	36	25	14	13
68	24	26	27	30	38	45	48	49	44	35	31	8	8
69	16	23	22	33	36	50	49	46	42	31	28	24	16
70	23	31	29	30	37	45	50	45	36	29	27	26	23
71	20	23	22	30	40	45	46	52	40	26	27	23	20
72	18	18	29	30	37	47	49	51	39	30	30	8	8
73	22	26	33	33	40	44	50	45	44	37	29	30	22
74	12	29	25	34	39	45	49	48	43	35	31	28	12
75	26	27	27	30	37	45	51	48	42	36	29	26	26
76	26	24	25	31	41	42	46	49	45	33	22	23	22
77	17	28	29	31	40	41	46	51	42	37	26	27	17
MEAN													
S D													
TOTAL OBS.													

NOTES ◊ (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 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)

24229 PORTLAND IAP OR 48-79
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
73	23	27	28	33	35	47	49	48	44	31	18	13	13
79	14	16	33	38	42	44	47	52	45	38	30	28	14
MEAN	19.3	24.2	27.1	31.8	36.8	44.6	47.9	47.9	40.8	33.2	26.8	23.0	15.7
S D	7.542	6.624	3.256	1.891	2.952	2.827	2.139	2.234	3.263	3.167	4.572	7.060	6.789
TOTAL OBS	992	904	992	960	992	960	992	992	960	992	960	992	11688

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM AM 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 — STATION
PORTLAND IAP OR — STATION NAME
73-79 — YEARS
JAN — MONTH

PAGE 1 — 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 59		.5																3	3		
[illegible] / 57		.2																1	1	3	
56 / 55		.2	.5															4	4	1	3
[illegible] / 53		.2	.5		.2													6	6	1	2
[illegible] / [illegible]		.5	.2	.3														6	6	7	1
[illegible] / 49		.9	.2															7	7	6	2
[illegible] / 47		3.8	.6	.2														30	30	8	17
[illegible] / 45	.5	4.5	.8	.2														38	38	36	13
[illegible] / 43	.9	5.7	2.3	.3	.2													62	62	44	37
[illegible] / 41	.4	8.2	.9	.6	.2													65	65	62	33
[illegible] / 39	1.6	5.5	.8	.5	.5													56	56	66	50
[illegible] / 37	2.8	3.7	.3	.2														45	45	58	73
[illegible] / 35	2.3	4.2	.9	.5														51	51	45	70
[illegible] / 33	2.6	6.1	1.4	.5	.2													64	64	56	42
[illegible] / 31	2.7	5.3	.2	1.2	.2													62	62	65	54
[illegible] / 29	.2	3.8	.3	.9														41	41	51	42
[illegible] / 27	1.1	1.7	1.2	1.3														34	34	27	48
[illegible] / 25	.2	1.8	1.4	.2														23	23	25	18
[illegible] / 23		1.1	1.2	.3														17	17	28	21
[illegible]	.2	.3	.9	.2														10	10	20	13
[illegible] / 19		.9	.8															11	11	12	13
[illegible] / 17		.8	.5															8	8	14	15
[illegible] / 15		.3	.3															4	4	8	11
[illegible] / 13		.2	.2															2	2	4	10
[illegible] / 11																				3	15
[illegible] / 9																					15
[illegible] / 7																					17
[illegible] / 5																					9
[illegible] / 3																					7
[illegible] / 1																					3
TOTAL	[illegible].2	56.9	6.2	7.1	1.7														650		650
																		65[illegible]		650	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4543356	534.6	82.2	15.390	65[illegible]							
Dry Bulb	397366	23566	36.3	8.137	65[illegible]		30.3					93
Wet Bulb	[illegible]67[illegible]3	22397	34.5	8.532	65		36.8					93
Dew Point	[illegible]4[illegible]2[illegible]	[illegible]0123	31.[illegible]	11.036	65.[illegible]	.2	44.[illegible]					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] PORTLAND IAP OR 73-79 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
/ 59		.5																3	3		
57		.2	.2															2	2	3	
55			.9															6	6	2	3
53		.2	.3															3	3	2	2
51		.8	.8															10	10	7	2
49		.6	.2															5	5	9	2
47		1.9	.5															15	15	7	14
45	.3	5.2	.9															42	42	20	11
43	.6	5.8	2.3		.7													59	59	47	29
41	.3	9.1	1.2	.5	.2													73	73	63	39
39	.5	3.8	.3	.2	.3													33	33	51	53
37	3.7	4.1	.2															52	52	56	67
35	8.1	4.6	.5	.6														64	64	62	82
33	3.2	6.1	.6	.2	.6													68	68	58	52
31	2.3	3.2	.8	.6														45	45	46	46
29	2.5	2.6	.6	.9														43	43	55	41
27	1.7	2.2	1.2	1.1														41	41	28	37
25	.5	2.3	.5	.5														24	24	35	27
23	.5	1.5	.9															19	19	32	14
21	.2	1.2	.8															14	14	16	22
19	.3	.6	1.2															14	14	19	13
17		1.4	.2															11	10	12	20
15		.7	.3															4	4	11	9
13		.5																3	3	4	13
11																				3	13
9																					9
7																					16
5																					13
3																					4
1																					2
-																					3
TOTAL	27.6	58.5	15.2	4.5	1.2														651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	465076[illegible]	54199	83.3	14.593	651							
Dry Bulb	877147[illegible]	23766	35.7	8.370	651		30.9					93
Wet Bulb	8[illegible]43[illegible]	22212	34.1	8.452	651		36.6					93
Dew Point	796345	20765	31.8	10.927	651	.4	43.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMM

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JA MONT

 1600- HOURS (L.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	C
67/ 59			.5															3	3		
58/ 57		.5																3	3		
56/ 55			.9															6	6	6	
54/ 53		.2	.2															2	2	1	
52/ 5.		1.1	.3															9	9	6	
5 / 49		.6																4	4	10	
48/ 47		2.5	.5	.5														22	22	5	
46/ 45	.8	4.8																36	36	29	
44/ 43	1.2	5.1	1.5	.3	.3													55	55	40	
42/ 41	.5	9.0	.5	.5	.2													68	68	51	
40/ 39	.6	4.8	.6		.5													42	42	69	
38/ 37	3.3	4.3	.3	.5														48	48	58	
36/ 35	3.2	5.9	.6		.5													66	66	61	
34/ 33	3.7	4.5	1.9	.3														67	67	67	
32/ 31	2.9	3.2	.6	1.1														51	53	49	
30/ 29	1.4	3.2	.2	.3														33	34	39	
28/ 27	1.7	1.7	.6	1.7														37	37	34	
26/ 25	.5	3.4	.8	.5														33	33	32	
24/ 23	.8	.5	.8	.2														14	14	27	
22/ 21	.5	.8	.6	.2														13	13	19	
2 / 19	.5	1.4	1.1															19	19	17	
18/ 17	.3	.6	.2															7	7	16	
16/ 15		.6	.5															7	7	11	
14/ 13		.3																2	2	5	
12/ 11		.2																1	1	4	
10/ 9																					
8/ 7																					
6/ 5																					
4/ 3																					
2/ 1																					
0/ -1																					
TOTAL	20.8	59.0	13.0	5.9	1.4														651		
																		648		648	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	To
Rel. Hum.	4041688	53988	83.3	14.902	648							
Dry Bulb	871425	23169	35.6	8.489	651		31.4					
Wet Bulb	795953	22013	34.7	8.581	648		36.3					
Dew Point	680913	19887	30.7	11.021	648	.3	44.1					

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JAN MONTH

1900-2100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
63/ 57			.8															5	5		
56/ 55		.5	.6															7	7	2	
54/ 53		.2	.3															3	3	7	3
52/ 51		1.2	.8															13	13	4	5
50/ 49	.2	1.7	.5	.2		.2												17	17	15	7
48/ 47	.2	3.5	1.7	.2														36	36	16	13
46/ 45	.6	4.9	1.7	.8		.2												53	53	40	30
44/ 43	.9	6.8	3.4	.6	.6													80	80	44	32
42/ 41	.3	7.1	2.2		.2													57	57	71	34
40/ 39	.2	5.8	.2	.3														42	42	69	51
38/ 37	.3	4.0	1.1	.6														52	52	61	65
36/ 35	.2	5.4	.8	.8	.6													63	63	51	63
34/ 33	.8	3.8	1.7	.3	.3													52	52	51	47
32/ 31	1.4	4.2	.6	1.5	.5													53	54	45	47
30/ 29	1.8	1.8	1.1	1.7	.2													43	43	50	42
28/ 27	.5	1.2	.9	1.8														29	29	25	26
26/ 25	.2	.9	.5	.5														13	13	33	21
24/ 23	.2	.6	.5	.2														9	9	19	24
22/ 21		.3	1.2	.2														11	11	18	12
20/ 19		.6	.8															9	9	13	15
18/ 17		.3	.2															3	3	10	8
16/ 15																				5	11
14/ 13																				1	15
12/ 11																					8
10/ 9																					16
8/ 7																					14
6/ 5																					8
4/ 3																					7
2/ 1																					3
0/ -1																					2
-2/ -3																					1
TOTAL	12.6	54.9	20.3	9.5	2.3	.3												650	651	650	650

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4296347	51765	79.6	16.353	650							
Dry Bulb	973484	24650	37.9	7.856	651		24.4					93
Wet Bulb	869933	23189	35.7	8.107	650		31.3					93
Dew Point	732843	20573	31.7	11.219	650	.4	40.1					93

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

4445

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

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
≤2/ 61				.2														1	1		
60/ 59			.2	.2														2	2		
58/ 57		.3	1.5	.2														13	13		
56/ 55		.2	.5	.3			.2											7	7	6	
54/ 53		.6	2.0	.5	.2	.2												22	22	11	3
52/ 51		1.2	1.2	.8	.3	.2												24	24	9	8
50/ 49		2.9	2.2	1.7	.3	.5												49	49	26	11
48/ 47		2.2	3.7	3.1	.6													62	62	30	28
46/ 45	.5	3.2	4.9	1.4	.6	.5												72	72	47	27
44/ 43		5.2	3.2	.9	.2													62	62	74	30
42/ 41		4.8	1.8	.9	.2													45	45	83	39
40/ 39	.2	4.2	1.1	1.2	.3													45	45	53	67
38/ 37	.3	3.4	.9	1.7	.3													44	44	57	74
36/ 35	1.5	2.9	1.7	1.4	.9													55	55	44	65
34/ 33	.6	3.4	.8	1.7	.9													48	48	50	41
32/ 31	1.4	2.8	1.1	1.8	1.4													50	50	36	49
30/ 29	.3	.5	.5	1.4	.3													19	19	35	30
28/ 27		.3	.3	1.4														13	13	25	24
26/ 25			1.4	.2														10	10	25	27
24/ 23		.2	.5															4	4	19	11
22/ 21			.2															1	1	14	11
20/ 19			.3															2	2	4	11
18/ 17																				3	13
16/ 15																					12
14/ 13																					12
12/ 11																					7
10/ 9																					21
8/ 7																					15
6/ 5																					4
4/ 3																					7
2/ 1																					1
0/ -1																					1
-2/ -3																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

PAGE 2 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
TOTAL	9.9	36.6	29.8	20.8	6.5	1.2	.2											650	650	650	650

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 88 F	≥ 93 F	Total
Rel. Hum.	3659902	47464	73.0	17.290	650							
Dry Bulb	1146619	26829	41.3	7.776	650		14.2					93
Wet Bulb	976821	24669	38.1	7.907	650		23.0					93
Dew Point	774620	21198	32.6	11.33	650	.3	36.8					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
6./ 59			.2	.2														2	2		
58/ 57		.5	.9	.2														10	10		
56/ 55		.6	.6	.5	.5		.2											15	15	6	
54/ 53		.6	2.0	.8	.3		.2											25	25	12	3
52/ 51		1.1	.5	.6		.2	.2											16	16	13	9
50/ 49		1.4	2.6	1.5	.8	.2												42	42	22	12
48/ 47	.5	3.5	2.2	1.7	.5	.3												56	56	25	32
46/ 45		4.5	4.3	2.9	1.1	.3												85	85	51	22
44/ 43		4.5	3.8	1.5	.5	.2												68	68	61	23
42/ 41	.2	4.2	1.8	1.1	.2													49	49	80	48
40/ 39	.5	2.8	2.5	1.8														49	49	75	63
38/ 37	.5	2.9	1.1	1.8	.6													45	45	44	54
36/ 35	1.2	3.1	1.2	.8	.8													46	46	53	62
34/ 33	.8	2.6	.9	1.1	.3													37	37	50	49
32/ 31	.3	2.2	1.1	1.7	.8													38	38	33	50
30/ 29	.5	.5	1.4	2.2	.5													32	32	31	39
28/ 27		.3	.2	2.3														16	16	19	23
26/ 25			.9	.2														7	7	24	31
24/ 23		.2	1.1	.2														9	9	22	16
22/ 21			.3															2	2	19	11
20/ 19			.3															2	2	7	13
18/ 17																				4	10
16/ 15																					11
14/ 13																					12
12/ 11																					11
10/ 9																					18
8/ 7																					12
6/ 5																					3
4/ 3																					9
2/ 1																					2
0/ -1																					3
TOTAL	4.3	35.2	29.8	22.6	6.6	1.1	.5												651		651
																		651		651	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3594341	47973	72.3	17.122	651							
Dry Bulb	1146948	26836	41.2	7.912	651		15.1					93
Wet Bulb	973326	24620	37.8	8.060	651		22.7					93
Dew Point	765157	21247	32.3	11.415	651	.4	39.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57		.2	.5															4	4		
56/ 55		.5	.3															5	5	2	
54/ 53		1.1	.5															10	10	6	2
52/ 51		1.1	.5															10	10	9	7
50/ 49		2.8	1.2			.5												29	29	14	9
48/ 47	.2	3.7	2.3	.5														43	43	23	22
46/ 45	.3	4.8	3.7	.6														61	61	37	26
44/ 43	.2	5.2	3.2	.5	.6													63	63	50	24
42/ 41	.3	6.5	1.8	.5														59	59	69	39
40/ 39	.6	5.4	1.8	.8	.3													58	58	72	64
38/ 37		4.8	1.4	.9														46	46	50	63
36/ 35	1.7	4.9	1.5	.8														58	58	64	71
34/ 33	.8	5.4	2.9	.5														62	62	44	39
32/ 31	1.8	2.2	1.2	.2														35	35	67	50
30/ 29	.3	.9	2.6	2.0	.2													39	39	32	37
28/ 27			1.7	.6														15	15	12	24
26/ 25		.5	1.5	.9														19	19	26	30
24/ 23		.5	1.4	.5														15	15	23	22
22/ 21		.8	.8															10	10	16	16
20/ 19		.6	.8															9	9	22	7
18/ 17																				12	19
16/ 15																					9
14/ 13																					16
12/ 11																					9
10/ 9																					14
8/ 7																					10
6/ 5																					8
4/ 3																					10
2/ 1																					1
0/ -2																					2
TOTAL	6.2	51.8	31.7	9.1	1.1	.5												650	650		650
																				650	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4[illegible]77769	50533	77.7	15.161	650							
Dry Bulb	1[illegible]04783	25035	38.5	7.905	650		20.3					93
Wet Bulb	89[illegible]465	23463	36.1	8.189	650		30.0					93
Dew Point	738282	20660	31.8	11.214	650	.3	40.6					93

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

474

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JAN MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57		.2	.2															2	2		
56/ 55		.2	.5															4	4	1	
54/ 53		.5	.5															6	6	3	1
52/ 51	.2	1.1			.2													9	9	8	5
50/ 49		2.2	.2															15	15	13	13
48/ 47		3.8	1.4	.2		.2												36	36	9	11
46/ 45	.8	5.8	1.1	.3	.3													54	54	44	25
44/ 43	.5	6.6	2.3		.3													63	63	49	29
42/ 41	.5	6.5	1.5		.5	.2												58	58	55	41
40/ 39	.8	6.9	1.1	.2	.3													60	60	71	53
38/ 37	1.8	4.6	.9															48	48	69	70
36/ 35	2.1	4.0	1.1	.2														47	47	47	75
34/ 33	.9	6.9	2.8	.5														72	72	47	39
32/ 31	2.2	3.5	.8	.6														46	46	64	49
30/ 29	.8	2.9	1.2	1.4														41	41	51	39
28/ 27		.9	1.5	1.2														24	24	14	37
26/ 25		1.5	1.5	.2														21	21	21	26
24/ 23		.6	1.4	.3														15	15	25	18
22/ 21		.5	.8	.2														8	8	22	14
20/ 19		1.2	1.1															15	15	13	10
18/ 17		.9																6	6	19	21
16/ 15																				5	4
14/ 13	.2																	1	1	1	10
12/ 11																					14
10/ 9																					14
8/ 7																					17
6/ 5																					12
4/ 3																					1
2/ 1																					2
-2/ -3																					1
TOTAL	1.4	61.1	21.7	5.1	1.4	.3												651	651		651
																		651		651	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	442034	52784	81.1	14.704	651							
Dry Bulb	942958	24726	37.2	7.983	651		25.3					93
Wet Bulb	852593	22941	35.2	8.243	651		33.6					93
Dew Point	728167	20568	31.6	10.977	651	.4	41.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
62/ 61				.2														1	1		
60/ 59		.1	.1	.0														13	13		
58/ 57		.2	.5	.3														40	40	6	
56/ 55		.2	.6	.1	.1		.3											54	54	26	6
54/ 53		.4	.8	.2	.1	.0	.0											77	77	43	20
52/ 51	.1	1.0	.5	.2	.1	.0	.3											97	97	62	40
50/ 49	.1	1.6	.9	.4	.1	.2												148	168	115	61
48/ 47	.1	3.1	1.6	.8	.1	.1												300	300	123	152
46/ 45	.5	4.7	2.2	.8	.2	.1												441	441	304	169
44/ 43	.5	5.6	2.8	.5	.4	.0												512	512	409	232
42/ 41	.3	6.8	1.4	.5	.2	.1												474	474	532	306
40/ 39	.6	4.9	1.3	.6	.3													385	385	536	445
38/ 37	1.7	4.0	.8	.7	.1													380	380	445	546
36/ 35	2.3	4.4	1.0	.6	.3													450	450	427	553
34/ 33	1.8	4.7	1.6	.6	.3													470	470	423	369
32/ 31	1.9	3.2	.8	1.1	.3													380	383	405	397
30/ 29	1.1	2.0	1.3	1.3	.1													291	292	344	313
28/ 27	.6	1.1	1.0	1.4														208	208	184	245
26/ 25	.2	1.3	1.1	.4														150	150	216	201
24/ 23	.2	.5	1.0	.2														102	102	195	152
22/ 21	.1	.5	.7	.1														69	69	144	125
20/ 19	.1	.7	.8															81	81	107	97
18/ 17	.1	.5	.1															34	34	90	120
16/ 15		.2	.1															15	15	40	77
14/ 13	.1	.1	.1															8	8	15	101
12/ 11		.1																1	1	10	85
10/ 9																					121
8/ 7																					121
6/ 5																					65
4/ 3																					45
2/ 1																					14
0/ -1																					17
-2/ -3																					6

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

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

4748

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JAN (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
TOTAL	12.0	52.0	22.2	10.6	2.8	.4	.1											5201	5205	5201	5201

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	33884212	411222	79.1	16.235	5201							
Dry Bulb	786.619	197577	38.4	8.326	5205		192.0					744
Wet Bulb	6979654	1855 4	35.7	8.358	5201		250.3					744
Dew Point	5826 45	164121	31.6	11.155	5201	3.3	329.3					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 55			.2	.3														3	3		
54/ 53																				1	
52/ 51		.8	.2	.3	.3													10	10	1	
50/ 49	.3	1.7	.3	.5	.7													21	21	9	3
48/ 47	.7	5.6	.3	.2	.3													42	42	17	14
46/ 45	.7	6.8	3.4	.7	.5													71	71	49	34
44/ 43	.3	10.7	1.5	.8	.2	.5												83	83	55	39
42/ 41	.5	6.4	1.9	.5	.7													59	59	96	35
40/ 39	1.9	7.1	2.7	.3														71	71	72	93
38/ 37	1.9	8.1	1.5	.3														70	70	58	59
36/ 35	2.9	9.2	1.4	.5		.5												85	85	90	62
34/ 33	1.5	4.1	1.1	.2														40	40	77	76
32/ 31	.7	2.5	.2		.5													23	23	31	64
30/ 29	.3	.3	.2															5	5	18	44
28/ 27			.2															1	1	2	28
26/ 25																				5	7
24/ 23																				3	5
22/ 21		.3																2	2		6
20/ 19		.7																4	4	6	6
18/ 17																					1
16/ 15																					2
14/ 13																					6
12/ 11																					2
10/ 9																					3
8/ 7																					1
TOTAL	11.7	64.4	14.9	4.7	3.2	1.0													590		590
																		590		590	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	Nr. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4231141	49351	83.6	13.233	590							
Dry Bulb	978796	23808	40.4	5.541	590		5.0					84
Wet Bulb	885479	22631	38.4	5.436	590		9.3					84
Dew Point	772669	20915	35.4	7.289	590	.1	24.9					84

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

4749

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | FEB MONTH

 0300-0500 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		.2			.3													3	3		
52/ 51		.7	.8	.3	.2													12	12	1	
50/ 49	.3	1.5	.3	.3	.2													16	16	10	4
48/ 47	.5	5.6	.2	.3														39	39	28	11
46/ 45	.3	5.1	3.3	1.2	.2													58	58	47	27
44/ 43	.5	8.6	2.0	.8		.3												73	73	43	45
42/ 41	.8	8.1	2.2	.7	.5	.2												74	74	79	27
40/ 39	2.2	8.1	1.9	.3														74	74	89	75
38/ 37	1.4	6.8	1.7	.3	.2													61	61	58	85
36/ 35	3.7	7.6	2.9			.5												87	87	84	58
34/ 33	2.0	4.2	.5															40	40	69	70
32/ 31	1.9	1.7	.2	.2														23	23	50	69
30/ 29	1.0	1.2			.5													16	16	19	48
28/ 27	.8	.3	.2															8	8	9	27
26/ 25																				5	13
24/ 23		.2																1	1	3	6
22/ 21		.2	.3															3	3	1	3
20/ 19		.5																3	3	3	3
18/ 17																				3	5
16/ 15																					2
14/ 13																					1
12/ 11																					5
10/ 9																					1
8/ 7																					4
6/ 5																					1
TOTAL	15.6	63.6	16.2	4.5	2.0	1.0													591		591
																		591		591	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	431621	49863	84.4	12.996	591							
Dry Bulb	954161	23501	39.8	5.771	591		7.7					84
Wet Bulb	867214	22396	37.9	5.602	591		13.2					84
Dew Point	760033	21751	36.1	7.299	591	.1	26.7					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | FEB MONTH

 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
56/ 55			.2	.2														2	2		
54/ 53		.3	.3	.2		.3												7	7	1	
52/ 51		1.0		.2	.2													8	8	2	2
50/ 49	.3	2.2	1.0	.3														23	23	12	5
48/ 47	.5	3.9	.5	.2														30	30	23	13
46/ 45		4.7	1.2	.7														39	39	31	24
44/ 43	.2	13.5	1.5	1.4	.2													81	81	46	32
42/ 41	.7	9.5	1.5	1.3	.8	.2												81	81	77	35
40/ 39	1.1	9.2	1.9	.3														73	73	81	67
38/ 37	1.7	5.3	1.7	.7														55	55	63	89
36/ 35	3.4	8.0	1.9		.5	.2												82	82	81	57
34/ 33	3.4	4.2	1.2															52	52	79	70
32/ 31	2.2	2.2		.2	.7													28	28	48	80
30/ 29	.7	1.5	.2	.2	.5													15	15	20	33
28/ 27	1.	.2	.2															8	8	12	32
26/ 25																				3	18
24/ 23																				2	6
22/ 21																				3	3
20/ 19		.5																3	3	2	4
18/ 17		.5																3	3	4	4
16/ 15																					1
14/ 13																					6
12/ 11																					2
8/ 7																					2
6/ 5																					1
4/ 3																					1
2/ 1																					3
TOTAL	15.1	63.2	13.2	5.4	2.4	.7												590		590	590
																		590		590	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4287600	49702	84.2	13.074	590							
Dry Bulb	946722	23376	39.6	5.908	590		8.1					84
Wet Bulb	859647	22267	37.7	5.721	590		13.4					84
Dew Point	751965	20606	34.9	7.404	590	.4	27.9					84

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

4750

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) FEB (MONTH)

PAGE 1 0900-1100 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57		.2	.3			.2	.2											5	5		
56/ 55		.2	.5	.2														5	5	2	
54/ 53		.2	1.0	.2	.3	.3												12	12	2	1
52/ 51		2.2	1.0	.5	.2													25	25	8	2
50/ 49		2.5	1.0	.7	.8													30	30	18	5
48/ 47	.2	4.4	4.1	.7	.5	.2												59	59	29	27
46/ 45		7.3	5.9	1.2	.5	.2												89	89	55	25
44/ 43	.3	6.6	6.6	1.4	.5	.5	.2											95	95	70	40
42/ 41	.7	7.8	4.2	.8	.5	.2												84	84	92	46
40/ 39	.7	4.7	2.9	.5														52	52	100	81
38/ 37	.8	4.1	1.5	.3	.2	.3	.2											44	44	61	85
36/ 35	1.9	4.1	.8		.3	.2												43	43	65	72
34/ 33	2.0	2.4	.7	.2		.3												33	33	48	75
32/ 31	.5	.3																5	5	19	42
30/ 29	.2	.5																4	4	9	27
28/ 27																				5	22
26/ 25			.3															2	2	1	10
24/ 23																				3	7
22/ 21		.5																3	3		2
20/ 19		.2																1	1	4	2
18/ 17																					4
16/ 15																					2
14/ 13																					5
12/ 9																					2
8/ 7																					3
4/ 3																					1
/ -1																					3
TOTAL	7.3	48.1	31.3	6.6	3.9	2.4	.5												591		591
																		591		591	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3825168	46784	79.2	14.357	591							
Dry Bulb	1 928403	25188	42.6	5.726	591		7.1					84
Wet Bulb	958247	23577	39.9	5.474	591		5.8					84
Dew Point	845782	21364	36.1	7.535	591	.4	18.8					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | FEB MONTH

 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
68/ 65								.2										1	1		
64/ 63							.2											1	1		
62/ 61				.2	.2	.2	.2	.3										6	6		
60/ 59			.5	.3	.5	.3	.3	.3										14	14		
58/ 57			.7	.7	.7	1.0	.2											19	19		
56/ 55		.3	1.0	1.4	.7	1.0												26	26	6	
54/ 53		.2	2.4	1.9	.5	.8												34	34	10	1
52/ 51		1.2	2.9	2.2	.8	.7												46	46	23	6
50/ 49		2.2	2.7	2.7	2.1	.3	.3											61	61	39	14
48/ 47		3.6	4.7	3.7	2.2	.7	.5	.3										93	93	52	22
46/ 45		3.4	7.4	3.4	1.2	.3		.2										94	94	71	35
44/ 43		5.6	4.9	1.7	.3	.2												75	75	74	42
42/ 41	.5	2.0	3.9	1.2			.3											47	47	130	50
40/ 39	.3	2.9	.8	.7	.2		.2											30	30	65	83
38/ 37	.2	2.2	.2			.5												18	18	63	81
36/ 35	.8	.8	.7															14	14	27	77
34/ 33		.3	.3															4	4	13	65
32/ 31	.2	.2		.3														4	4	6	39
30/ 29			.5															3	3	6	27
28/ 27			.2															1	1		9
26/ 25																				5	11
24/ 23																				1	5
22/ 21																					2
20/ 19																					1
18/ 17																					6
16/ 15																					3
14/ 13																					3
12/ 11																					3
10/ 9																					4
8/ 7																					1
6/ 5																					1
TOTAL	2.	24.9	33.8	20.3	9.3	6.1	2.2	1.4											591		591
																		591		591	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3054941	41827	70.1	16.001	591							
Dry Bulb	1320417	27709	46.9	6.006	591		1.1					84
Wet Bulb	1083827	25119	42.5	5.241	591		2.6					84
Dew Point	838879	21797	36.9	7.699	591	.1	16.3					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229	PORTLAND IAP OR	73-79	FEB
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 57									.3									2	2		
66/ 65								.3										2	2		
64/ 63					.3		.2											3	3		
62/ 62					.3		.3	1.0	.2									11	11		
61/ 59			.2	.5	.5	.2	.7	.5										15	15		
58/ 57		.3		.2	.3	.3	.2	.5										11	11		
56/ 55			.8	2.2	.8	1.4	.3											33	33	6	
54/ 53		.5	1.9	1.9	2.2	.7												42	42	6	3
52/ 51		1.9	1.7	1.3	1.7	.3	.2											36	36	21	1
51/ 49		1.9	2.7	3.2	2.2	.2	.2											59	59	50	13
49/ 47		3.2	3.2	4.7	2.4	.3		.3										84	84	43	22
48/ 45	.2	3.9	7.4	3.4	2.2	.7	.2											104	104	76	37
44/ 43		5.4	5.9	2.7	.5													86	86	96	42
42/ 41		2.5	2.9	1.5		.2	.3											44	44	102	48
41/ 39		1.5	1.3	.5			.2											19	19	74	70
39/ 37	.3	2.0	.8	.3		.3												23	23	64	85
36/ 35	.7	.5				.2												7	7	26	79
34/ 33		.3	.3															4	4	9	57
32/ 31			.2	.7														5	5	5	38
31/ 29			.2															1	1	4	42
28/ 27																				5	19
26/ 25																				4	4
24/ 23																					4
22/ 21																					5
20/ 19																					5
18/ 17																					3
16/ 15																					3
14/ 13																					2
12/ 9																					1
8/ 7																					1
6/ 5																					3
4/ 3																					1
2/ -																					3

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	.2	23.5	29.3	22.5	12.9	4.7	2.7	2.7	.5									591	591	591	591

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2915674	40316	68.2	16.746	591							
Dry Bulb	1346383	27995	47.4	6.147	591		.9	.3				84
Wet Bulb	1188371	25179	42.6	5.149	591		2.6					84
Dew Point	824756	21630	36.5	7.660	591		19.0					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

21229	PORTLAND IAP OR	73-79	FEB
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63								.2										1	1		
62/ 61								.2										1	1		
6 / 59						.2	.2											2	2		
58/ 57		.2																1			
56/ 55		.2		.3		.3												5		1	
54/ 53			.8	.5	.5	.5	.5											17	17	1	1
52/ 51		2.[illegible]	2.[illegible]	.8	.7		.2											34	34		1
50/ 49		4.4	1.9	1.7	1.[illegible]	.2												54	54	30	3
48/ 47		4.4	2.9	2.7	.7													63	63	46	29
46/ 45		5.6	4.6	1.9														71	71	46	30
44/ 43	.2	9.2	5.1	3.2	.3	.5												109	109	76	49
42/ 41	.2	5.6	5.1	1.4	.7		.2											77	77	104	38
40/ 39	.3	4.8	3.4	.8														55	55	102	75
38/ 37	1.2	5.1	1.5	.2	.2													48	48	68	79
36/ 35	.7	2.5	1.2	.5	.2	.5												33	33	59	79
34/ 33		.8	.5		.5													11	11	26	56
32/ 31		.2	.5															4	4	11	44
30/ 29																				4	42
28/ 27			.2															1	1	6	18
26/ 25			.2															1	1	4	5
24/ 23			.2															1	1	1	3
22/ 21																				2	7
20/ 19																					5
18/ 17																					3
16/ 15																					3
14/ 13																					2
12/ 11																					1
8/ 7																					2
6/ 5																					2
4/ 3																					2
2/ 1																					
TOTAL	2.5	45.7	30.1	14.1	4.8	2.2	1.0	.3										589	589		589
																		589		589	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3558474	44916	76.3	15.055	589							
Dry Bulb	1144382	25772	43.8	5.332	589		1.[illegible]					84
Wet Bulb	983932	23890	40.6	5.042	589		4.[illegible]					84
Dew Point	8[illegible]9[illegible]2	21345	36.2	7.346	589		19.8					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (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
58/ 57			.2				.2											2	2		
56/ 55					.2	.2												2	2		
54/ 53					.2	.2												2	2	1	
52/ 51		1.2	.8	.7		.8												21	21		
50/ 49		4.4	1.2	.7	.3													38	38	12	2
48/ 47		5.8	1.4	.7	.2													47	47	41	29
46/ 45	.5	5.6	3.4	.8	.5	.2												65	65	47	35
44/ 43	.3	11.8	3.7	.7	.3	.3												102	102	59	36
42/ 41		6.3	5.2	2.2	.7													85	85	92	47
40/ 39	.2	6.9	2.4	1.0														62	62	82	59
38/ 37	1.9	7.8	.8															62	62	81	89
36/ 35	2.2	5.6	1.7	.8	.5	.2												65	65	85	74
34/ 33	.2	2.4	.7		.3													21	21	48	69
32/ 31	.2	1.5	.2		.5													14	14	22	47
30/ 29																				9	44
28/ 27																				4	26
26/ 25																				2	4
24/ 23																				1	1
22/ 21		.5																3	3		9
20/ 19																				1	5
18/ 17																					1
16/ 15																					6
14/ 13																					1
12/ 11																					2
10/ 9																					3
TOTAL	5.4	59.7	21.5	7.6	3.7	1.9	.2												591		591
																		591		591	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3963914	47686	80.7	14.038	591							
Dry Bulb	1151846	24742	41.9	5.213	591		2.4					84
Wet Bulb	933073	23287	39.4	5.126	591		6.1					84
Dew Point	794747	21748	36.8	7.227	591		21.5					84

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

4453

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | FEB MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
68/ 67									•									2	2		
66/ 65								•										3	3		
64/ 63					•		•	•										5	5		
62/ 61				•	•	•	•	•	•									18	18		
60/ 59			•	•	•	•	•	•										31	31		
58/ 57		•	•	•	•	•	•	•										38	38		
56/ 55		•	•	•	•	•	•											76	76	15	
54/ 53		•	•	•	•	•	•											117	117	22	6
52/ 51		1.4	1.2	•	•	•	•											192	192	56	12
50/ 49	•	2.6	1.4	1.3	•	•	•											302	302	180	49
48/ 47	•	4.6	2.2	1.7	•	•	•	•										457	457	269	167
46/ 45	•	5.3	4.6	1.6	•	•	•	•										591	591	422	247
44/ 43	•	8.6	3.9	1.6	•	•	•											704	704	519	325
42/ 41	•	6.8	3.4	1.2	•	•	•											551	551	772	326
40/ 39	•	5.7	2.1	•	•		•											436	436	665	603
38/ 37	1.2	5.2	1.2	•	•	•	•											381	381	516	653
36/ 35	2.3	4.8	1.3	•	•	•												416	416	517	558
34/ 33	1.1	2.3	•	•	•	•												205	205	371	548
32/ 31	•	1.1	•	•	•													106	106	192	423
30/ 29	•	•	•	•	•													44	44	89	347
28/ 27	•	•	•															19	19	43	181
26/ 25			•															3	3	29	72
24/ 23		•	•															2	2	16	39
22/ 21		•	•															11	11	6	37
20/ 19		•																11	11	18	31
18/ 17		•																3	3	7	27
16/ 15																					13
14/ 13																					32
12/ 11																					9
10/ 9																					3
8/ 7																					10
6/ 5																					7
4/ 3																					13
2/ 1																					17

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | FEB 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
/ -																					9
TOTAL	7.6	48.7	23.8	10.7	5.3	2.5	.8	.6	.1										4724		4724
																		4724		4724	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3.143433	37[illegible]45	78.3	15.650	4724							
Dry Bulb	8837547	202791	42.8	6.379	4724		28.3	.3				672
Wet Bulb	7659797	188346	39.9	5.644	4724		56.9					672
Dew Point	6353021	169621	35.9	7.456	4724	1.3	175.0					672

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

USAFETAC 4754

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57		.2																1	1		
56/ 55		.5	.6															7	7	2	2
54/ 53		1.2	.2			.2	.3											12	12	3	3
52/ 51		1.2	.8	1.1	.2	.3												23	23	14	5
50/ 49	.2	2.8	1.5	.6		.2												34	34	10	14
48/ 47		5.7	3.8	.2	.3	.5												68	68	30	14
46/ 45	.3	8.4	7.2	.9			.2											111	111	61	31
44/ 43	.2	13.4	6.1	.8	.2	.5												118	118	96	44
42/ 41	.2	8.8	3.7	1.7	.6	.2												98	98	113	68
40/ 39		7.8	2.3	.5	.2													69	69	110	90
38/ 37	.6	4.8	.9	.2														42	42	91	100
36/ 35	.5	4.6	.8															38	38	49	103
34/ 33	.2	2.2	.6															19	19	47	54
32/ 31		.8	.3															7	7	15	44
30/ 29	.2	.5																4	4	7	30
28/ 27																				3	17
26/ 25																					9
24/ 23																					14
22/ 21																					2
20/ 19																					3
18/ 17																					4
TOTAL	2.2	59.8	28.7	5.8	1.4	1.7	.5												651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	43[illegible]923	52443	8[illegible].6	11.551	651							
Dry Bulb	1[illegible]25825	28 73	43.1	4.842	651		1.6					93
Wet Bulb	1[illegible]873[illegible]	26426	4[illegible].6	4.748	651		3.6					93
Dew Point	929210	24276	37.3	6.[illegible]70	651		17.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																	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		.8		.2														6	6	1	
54/ 53		.6	.2															5	5	5	5
52/ 51		1.2	.2			.2												10	10	6	6
50/ 49	.3	3.2	.6		.2	.2												29	29	15	12
48/ 47	.3	5.4	2.3	.5	.5	.2												59	59	23	13
46/ 45	.6	5.7	4.[illegible]	1.4		.3												78	78	30	20
44/ 43		12.4	5.7	.5														121	121	64	52
42/ 41	.3	8.8	4.[illegible]	.2	.2	.5												90	90	116	87
40/ 39	.5	7.5	2.6	.6	.6													77	77	116	76
38/ 37	2.5	7.2	.6	.3														69	69	91	117
36/ 35	1.5	4.9	.5															45	45	58	101
34/ 33	.5	2.8	.3															23	23	59	68
32/ 31	.6	2.8																22	22	19	46
30/ 29	.5	1.2																11	11	19	32
28/ 27	.2	.6																5	5	10	18
26/ 25		.2																1	1	1	13
24/ 23																					12
22/ 21																					5
20/ 19																					
TOTAL	7.7	65.3	23.9	3.5	1.4	1.2													651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4021825	54413	83.6	10.596	651							
Dry Bulb	1145106	27090	41.6	5.235	651		5.6					93
Wet Bulb	1034636	25744	39.5	5.051	651		7.0					93
Dew Point	905982	23972	36.8	5.981	651		19.1					93

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

455

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57		.2																1	1		
56/ 55		.3																2	2	1	
54/ 53		.5	.3															5	5	4	4
52/ 51		1.8	.7			.4												19	19	4	2
50/ 49	.3	1.7	1.1															20	20	17	9
48/ 47		5.7	1.8	.6	.3	.2												56	56	18	19
46/ 45	.2	6.3	3.2	.3		.3												67	67	54	12
44/ 43	.5	11.7	4.3	1.1	.2													115	115	64	55
42/ 41	.8	11.2	3.2	.6	.6	.2												108	108	103	49
40/ 39	.5	8.9	2.6	.3	.3													82	82	112	81
38/ 37	2.2	6.3	.2	.2														57	57	103	129
36/ 35	1.2	5.1	1.1															48	48	62	86
34/ 33	1.8	1.8																24	24	50	71
32/ 31	.8	3.1	.3															27	27	23	41
30/ 29	1.4	.9																15	15	27	47
28/ 27	.2	.5																4	4	6	15
26/ 25		.2																1	1	3	12
24/ 23																					12
22/ 21																					4
20/ 19																					1
18/ 17																					1
16/ 15																					1
TOTAL	5.7	66.1	19.9	3.1	1.4	.8												651	651	651	651

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 88 F	≤ 93 F	Total
Rel. Hum.	4677721	54773	84.1	17.326	651							
Dry Bulb	113378	26906	41.3	5.313	651		6.7					93
Wet Bulb	1 25134	25724	39.4	5. 38	651		8.4					93
Dew Point	899859	23919	36.7	5.786	651		19.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAR MONTH

 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
67/ 65									.2									1	1		
65/ 63				.2	.2			.3										4	4		
63/ 59			.2	.5	.3	.2		.2										8	8		
59/ 57		.6		.6	.6	.3		.2										15	15	1	
57/ 55		.2	.9	.8	.3	.2	.5											18	18	6	
54/ 53			2.2	1.5	1.7	.3												34	34	6	6
52/ *		1.4	3.4	1.5	.6	.3	.3											49	49	19	1
51/ 49		1.2	5.1	3.8	.8	.5	.2											75	75	36	11
48/ 47		5.1	5.2	4.6	1.1	.2	.2											106	106	54	29
46/ 45	.2	5.2	10.0	1.5	.5	.3	.2											116	116	89	28
44/ 43		5.5	5.4	1.8	.6	.2												88	88	127	59
42/ 41		4.3	4.3	.6	.3													63	63	122	73
41/ 39	.2	3.2	1.5	.5	.2													36	36	78	113
38/ 37	.3	2.1	.9															21	21	59	112
36/ 35	.6	.9	.2															11	11	34	81
34/ 33	.1	.3	.2															4	4	14	38
32/ 31			.2															1	1	3	40
31/ 29		.2																1	1	3	25
28/ 27																					10
26/ 25																					7
24/ 23																					7
22/ 21																					4
21/ 19																					4
18/ 17																					1
16/ 15																					2
TOTAL	1.4	30.1	39.5	18.1	6.8	2.3	1.2	.6	.2									651	651		551
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3646239	47967	73.7	13.123	651							
Dry Bulb	1424987	30265	46.5	5.257	651		.3					93
Wet Bulb	1201255	27809	42.7	4.528	651		.9					93
Dew Point	966927	24799	38.1	5.850	651		14.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (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
/ 69								.2		.2	.3							4	4		
68/ 67						.3	.3	.5	.2	.2								9	9		
66/ 65				.2		.6	.8	.6	.3									16	16		
64/ 63				.3	.6	.9	.6	.5	.2	.3								22	22		
62/ 61			.3		1.2	1.2	.9	.3	.3									28	28		
/ 59			.2	.6	.6	1.2	.5	.3	.2									23	23	4	
58/ 57			.9	.2	2.2	1.1	.8											30	30	5	
56/ 55		.2	.9	2.5	2.5	1.1	.3	.2										49	49	18	5
54/ 53			2.2	2.8	3.1	2.2	.3	.6										71	71	25	1
52/ 51		.8	2.3	3.7	3.8	1.1	.3	.3										80	80	42	5
50/ 49		2.5	3.5	5.2	4.0	.9	.3	.5										110	110	71	12
48/ 47		2.2	3.8	3.1	3.1	.5	.2											83	83	90	40
46/ 45		2.3	4.1	1.5	.8	.2												58	58	100	44
44/ 43	.2	2.9	2.3	.8	.5													43	43	122	57
42/ 41		.5	1.4	.6	.5													19	19	90	77
/ 39		.3	.3	.2														5	5	85	95
38/ 37				.2														1	1	24	86
36/ 35																				13	72
34/ 33																				2	56
32/ 31																					31
/ 29																					25
28/ 27																					17
26/ 25																					9
24/ 23																					12
22/ 21																					5
/ 19																					3
18/ 17																					3
16/ 15																					3
TOTAL	.2	11.5	21.8	21.7	22.7	11.1	5.2	3.8	1.1	.6	.3							651	651		651
																				652	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2641243	40151	61.7	15.927	651							
Dry Bulb	1772421	33721	51.8	6.290	651			1.9				93
Wet Bulb	1362243	29599	45.5	4.718	651							93
Dew Point	974174	24802	38.1	6.698	651		15.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

21229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/4/ 73											.2							1	1		
7/ 71											.6							5	5		
/ 69							.2	.9	1.1		.3							16	16		
68/ 67				.2		.2	.5	.3	1.1	.6								18	18		
66/ 65				.3	.2	.8	.6	.3	.9	.2								21	21		
64/ 63			.3		.6	.5	.3	1.1	.2	.3								21	21		
62/ 61			.2		1.2	.6	1.7	1.2	.6									36	36	1	
6 / 59			.2	.3	.6	1.4	1.9	.2										29	29	5	
56/ 57			.8	.5	1.3	2.5	.8	.2	.2									43	43	9	
56/ 55			.5	1.1	2.6	2.5	1.1	.6	.2									55	55	21	6
54/ 53			.9	1.4	1.8	2.3	.8	.3										49	49	31	
52/ 5		1.2	2.6	2.3	3.8	1.5	.3	.2										78	78	43	4
5 / 49		1.4	2.8	5.2	2.8	2.2	.5	.2										97	97	74	14
48/ 47		1.4	2.3	3.1	1.3	.6												58	58	89	35
46/ 45		1.5	4.3	2.3	1.1	.5												63	63	101	31
44/ 43		2.9	1.5	.6	.6	.2												38	38	106	47
42/ 41		.6	1.1	.3	.3													15	15	88	64
4 / 39		.2	.5	.2														5	5	62	73
38/ 37		.3																2	2	15	103
6/ 35																				13	80
34/ 33			.2															1	1		46
2/ 31																				1	49
/ 29																					34
0/ 27																					23
6/ 25																					17
24/ 23																					7
22/ 21																					5
/ 19																					8
8/ 17																					3
6/ 15																					2
TOTAL		9.5	18.0	17.7	19.0	15.5	8.4	5.4	4.1	1.1	1.2							651		651	651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2348480	37428	57.5	17.393	651							
Dry Bulb	1874546	34610	53.2	7.288	651			5.7	.1			93
Wet Bulb	1379935	29799	45.8	8.950	651		.1					93
Dew Point	932892	24742	37.2	6.812	651		21.1					93

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAR 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
7 / 69											.2							1	1		
68/ 67							.2			.2								2	2		
66/ 65				.2		.2	.2		.2									4	4		
64/ 63						.3	.6	.2	.5									10	10		
62/ 61			.5	.5	.6	.3		.5	.3									17	17		
6 / 59				1.7	.5	1.1	1.1	.3	.3									31	31	3	
58/ 57			.2	.5	1.2	1.1	.8	.6										28	28	1	
56/ 55			.6	1.2	2.0	.8	.3	.3										34	34	8	4
54/ 53		.2	.9	1.7	2.0	1.4	.3	.2										43	43	17	
52/ 51		.8	1.4	3.1	2.3	.6												53	53	23	3
5 / 49		2.3	2.5	5.7	1.8	.3	.2	.2										84	84	43	15
48/ 47		3.1	3.5	5.4	2.2	1.1												99	99	81	26
46/ 45		3.4	5.8	2.5	1.7													87	87	90	30
44/ 43		4.0	4.8	2.8	.9	.5												84	84	109	42
42/ 41	.2	.8	4.1	.8	.2													39	39	102	61
4 / 39		1.2	1.2	.5	.2													20	20	86	96
38/ 37		.6	.2	.5														8	8	51	71
36/ 35		.9	.2															7	7	23	113
34/ 33																				10	56
32/ 31																				4	44
3 / 29																					32
28/ 27																					20
26/ 25																					14
24/ 23																					9
22/ 21																					3
2 / 19																					8
16/ 17																					1
14/ 13																					1
TOTAL	.2	17.2	25.8	26.7	15.5	7.5	3.5	2.2	1.1	.2	.2							651	651		651
																		651		651	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2747146	42600	65.5	15.613	651							
Dry Bulb	1593226	31948	49.1	6.247	651			.4				93
Wet Bulb	1256359	28427	43.7	4.803	651		.6					93
Dew Point	926017	24199	37.2	6.384	651		18.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAR MONTH

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
62/ 61			.5															3	3		
60/ 59				.3					.2									3	3		
58/ 57			.5	.3	.2			.2										7	7	3	
56/ 55			.8	.5	.6	.3	.2	.2										16	16	1	3
54/ 53		1.1	1.1	.5	1.5	.3	.2											30	30	9	1
52/ 51		.9	.9	1.8	.3													26	26	10	5
50/ 49		2.6	3.7	1.8	.6													57	57	21	13
48/ 47	.5	5.5	5.7	2.2	.3	.6	.2											97	97	47	20
46/ 45		7.2	8.9	1.7	.8	.5												123	123	96	31
44/ 43		6.9	7.7	1.7	.5	.3												111	111	99	45
42/ 41		3.1	7.5	1.5	.6													83	83	113	80
40/ 39		4.1	2.8	.2	.2													47	47	96	95
38/ 37		2.2	2.2															28	28	84	89
36/ 35		1.2	.6	.3														14	14	46	93
34/ 33		.5	.3															5	5	19	68
32/ 31		.2																1	1	4	43
30/ 29																				3	27
28/ 27																					15
26/ 25																					11
24/ 23																					9
22/ 21																					3
20/ 19																					6
18/ 17																					2
TOTAL	.5	35.5	42.9	12.7	5.5	2.0	.5	.3	.2										651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3778688	48923	75.1	12.561	651							
Dry Bulb	1353525	29515	45.3	4.864	651		.1					93
Wet Bulb	1156292	27276	41.9	4.551	651		1.0					93
Dew Point	942391	24451	37.6	6.381	651		16.6					93

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

4758

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

 0600-1800 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
61/ 59			.2	.2	.2			.2										4	4		
58/ 57			.3	.2	.3		.2											6	6		
56/ 55		.3	.8	.8		.2	.2											14	14	1	
54/ 53	.2	1.[illegible]	1.1	.6	.2													19	19	8	1
52/ 51		1.6	1.7	.3														23	23	15	5
50/ 49	.3	4.4	3.7	.5														56	56	30	19
48/ 47	.8	9.2	5.2	.6	.2													101	101	60	24
46/ 45	.5	11.3	8.3	.8														125	125	94	62
44/ 43	.6	14.4	4.1	.5														124	124	123	75
42/ 41	.3	5.6	3.2															57	57	131	83
40/ 39	.3	4.9	1.[illegible]															39	39	64	138
38/ 37	.5	4.[illegible]	.2															29	29	50	75
36/ 35	.3	2.5																18	18	32	67
34/ 33	.3	1.4																11	11	12	42
32/ 31	.2	.5																4	4	8	25
3 / 29																				3	10
28/ 27																					2
TOTAL	2.3	60.2	29.7	4.4	.8	.2	.3	.2											630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4393987	52317	83.[illegible]	8.865	630							
Dry Bulb	1290357	28345	45.[illegible]	4.893	630		.6					90
Wet Bulb	1161745	26913	42.7	4.376	630		1.6					90
Dew Point	1023993	25225	40.[illegible]	4.701	630		5.3					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

PAGE 1 0000-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
64/ 63						.3												2	2		
62/ 61					.3													2	2		
60/ 59				.2														1	1		
58/ 57			.2	.6		.3	.3											9	9		
56/ 55		.5	1.1	.6		.2												15	15	3	2
54/ 53		1.6	1.7	.8	.5			.2										26	26	7	1
52/ 51		1.7	4.6	.5	.3			.2										42	42	21	3
50/ 49		6.1	4.1	1.1	.2													72	72	35	18
48/ 47		9.4	4.8	1.3	.3													98	98	74	41
46/ 45	.3	10.8	9.6	1.5														133	133	104	68
44/ 43	.5	8.7	6.3	.3														100	100	108	78
42/ 41		5.4	5.4															68	68	122	81
40/ 39	.5	2.1	2.2															30	30	74	109
38/ 37	.3	2.1	.6															19	19	45	82
36/ 35		1.3	.2															9	9	23	56
34/ 33		.5																3	3	11	50
32/ 31	.2																	1	1	3	27
30/ 29																					11
28/ 27																					1
26/ 25																					2
TOTAL	1.7	49.4	39.7	6.3	1.4	.8	.3	.3										630	630	630	630

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4132175	50643	80.4	9.864	630							
Dry Bulb	1347914	28990	46.0	4.703	630		.1					90
Wet Bulb	1192297	27275	43.3	4.269	630		.4					90
Dew Point	1031271	25291	40.1	5.040	630		5.9					90

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

4759 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
60/ 59				.2														1	1		
58/ 57				.8			.2											6	6		
56/ 55		.2	.3	.2		.2												5	5		
54/ 53		1.4	.2	.2	.2													13	13	6	3
52/ 51		1.3	1.7	.3														21	21	14	4
50/ 49		5.6	3.0	.5														57	57	18	12
48/ 47	.3	13.6	2.1	.3														80	80	58	33
46/ 45	1.[illegible]	11.9	7.3															127	127	95	55
44/ 43	.3	11.[illegible]	4.3	.3														99	99	107	75
42/ 41	.3	8.7	4.9	.2														89	89	118	99
40/ 39	.6	6.2	1.1															50	50	79	99
38/ 37	1.3	5.1	.2															41	41	64	100
36/ 35		2.9																18	18	37	56
34/ 33		2.4																15	15	18	50
32/ 31	.3	.8																7	7	14	32
30/ 29																				2	15
28/ 27																					5
TOTAL	4.1	67.4	25.0	2.9	.3	.2	.2												629		629
																		629		629	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4524510	53114	84.4	8.795	629							
Dry Bulb	1237783	27737	44.1	4.832	629		1.0					9[illegible]
Wet Bulb	1124723	26948	42.[illegible]	4.487	629		2.1					9[illegible]
Dew Point	1102816	24926	39.6	4.895	629		7.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

 0600-1800 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
60/ 59			.2	.2	.2			.2										4	4		
58/ 57			.3	.2	.3		.2											6	6		
56/ 55		.3	.8	.8		.2	.2											14	14	1	
54/ 53	.2	1.[illegible]	1.1	.6	.2													19	19	8	3
52/ 51		1.6	1.7	.3														23	23	15	5
50/ 49	.3	4.4	3.7	.5														56	56	38	19
48/ 47	.8	9.2	5.2	.6	.2													101	101	60	24
46/ 45	.5	11.3	8.3	.8														125	125	94	62
44/ 43	.6	14.4	4.1	.5														124	124	123	75
42/ 41	.3	5.6	3.2															57	57	130	83
40/ 39	.3	4.9	1.3															39	39	64	138
38/ 37	.5	4.3	.2															29	29	50	75
36/ 35	.3	2.5																18	18	32	67
34/ 33	.3	1.4																11	11	12	42
32/ 31	.2	.5																4	4	8	25
30/ 29																				3	10
28/ 27																					2
TOTAL	4.3	66.2	29.7	4.4	.8	.2	.3	.2											630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4393987	52317	83.[illegible]	8.865	630							
Dry Bulb	1290357	28345	45.0	4.693	630		.6					90
Wet Bulb	1161745	26913	42.7	4.376	630		1.6					90
Dew Point	1023983	25225	40.0	4.701	630		5.3					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 72								.2										1	1		
71/ 69								.2										1	1		
68/ 67						.3	.3											4	4		
66/ 65						.6	.2	.2										6	6		
64/ 63				.2	.6	.8	.3											12	12		
62/ 62			.2	.6	.8	.8	.5											18	18		
61/ 59			.6	.8	1.1	.3	.3	.2										21	21		
58/ 57			.8	2.1	1.7	1.0	.3	.2										38	38	7	
56/ 55		.3	2.1	3.8	1.9													51	51	21	
54/ 53		.6	2.2	4.4	2.7	.5												66	66	30	5
52/ 51		1.1	5.2	6.3	2.2	.5												97	97	44	10
50/ 49		2.4	6.7	7.5	.8													109	109	75	28
48/ 47		2.9	6.3	5.4	1.3													98	98	92	43
46/ 45		4.3	4.1	1.7														64	64	129	79
44/ 43		1.7	2.1	.5														27	27	131	76
42/ 41		.2	1.4															10	10	62	96
40/ 39		.3	.5															5	5	26	108
38/ 37		.2																1	1	11	84
36/ 35		.2																1	1	1	57
34/ 33																				1	31
32/ 31																					14
30/ 29																					6
28/ 27																					2
TOTAL		14.1	32.2	33.3	12.9	4.8	1.9	.8										630	630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	377222	43412	68.9	11.679	630							
Dry Bulb	1673459	32291	51.3	5.444	630			.9				90
Wet Bulb	136386	29194	46.3	4.186	630							90
Dew Point	1737[illegible]7	25829	41.[illegible]	4.844	630		3.1					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
82/ 81											.2							1	1		
80/ 79										.2								1	1		
78/ 77									.2									1	1		
76/ 75								.2										1	1		
74/ 73								.5	.3									5	5		
72/ 71							.8	1.0	.8	.2								17	17		
70/ 69						.3	1.6	.3	1.0									20	20		
68/ 67				.2	.3	1.0	1.1	.8		.2								22	22		
66/ 65					.3	1.0	1.4	.8	.8									27	27		
64/ 63				.8	.8	1.0	.6	.8	.5	.2								29	29		
62/ 61			.2	.3	1.3	2.5	1.1	.5	.3									39	39	6	
60/ 59			.5	.8	2.1	2.9	1.0	.5	.2									49	49	16	
58/ 57			.3	2.2	4.1	1.7	1.3											58	58	39	
56/ 55		.6	1.3	1.8	4.8	2.9												70	70	28	3
54/ 53		.3	2.4	4.3	6.5	2.1	.3											100	100	47	8
52/ 51		1.0	2.5	4.9	3.2	1.3												81	81	74	19
50/ 49		1.0	3.0	3.2	1.6	.2												56	56	89	35
48/ 47		1.6	1.3	1.0	.8													27	27	117	45
46/ 45		2.2	.6	.3														20	20	123	63
44/ 43			.6															4	4	59	83
42/ 41		.3																2	2	24	92
40/ 39																				8	91
38/ 37																					71
36/ 35																					43
34/ 33																					34
32/ 31																					25
30/ 29																					10
28/ 27																					6
26/ 25																					2
TOTAL		7.0	12.4	19.5	25.6	16.7	8.9	5.2	4.0	.6	.2							630		630	630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	225,749	36575	58.1	14.286	630							
Dry Bulb	2051295	35687	56.6	6.879	630			9.7	1.3	.1		90
Wet Bulb	1528464	30892	49.0	4.663	630							90
Dew Point	1088952	25954	41.2	5.601	630		6.1					90

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

4761

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81										.3		.2						3	3		
81/ 79									.3		.3							3	3		
78/ 77										.5								3	3		
76/ 75								.2	1.0	.2								8	8		
74/ 73							.5	.8	1.4		.5	.2						21	21		
72/ 71								.5	1.6	1.0	.5							22	22		
70/ 69						.3	1.2	2.1	.8	.8								32	32		
68/ 67						.2	1.1	.6	.5	.5								18	18		
66/ 65					.5	.6	.5	1.9	.5	.2								26	26		
64/ 63				.2	.3	1.4	1.0	1.6	.5	.5								34	34	4	
62/ 61				.6	1.0	2.4	1.7	1.3										44	44	6	
60/ 59		.2	.3	.3	1.7	1.4	3.2	1.0										51	51	22	
58/ 57				1.0	1.9	2.2	1.7	.5										46	46	37	
56/ 55		.5	1.9	1.6	4.4	2.7	1.6											80	80	34	1
54/ 53		.6	2.2	4.3	1.7	2.4	.3											71	71	54	8
52/ 51		.3	2.4	3.8	2.7	.6												57	57	77	14
50/ 49		1.7	4.1	1.3	.8	.2												51	53	84	25
48/ 47		1.9	2.5	.6	.6													36	36	132	40
46/ 45		1.6	.8	.6														19	19	97	78
44/ 43		.2	.3	.2														4	4	58	32
42/ 41			.2															1	1	15	76
40/ 39																				9	85
38/ 37																				1	61
36/ 35																					54
34/ 33																					33
32/ 31																					43
30/ 29																					17
28/ 27																					7
26/ 25																					1
24/ 23																					1
TOTAL		7.0	14.8	13.3	15.7	14.4	12.7	10.3	6.3	3.8	1.3	.3						630	630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2074217	34491	54.7	17.192	630							
Dry Bulb	2171741	36645	58.2	7.997	630			15.7	5.4	.4		90
Wet Bulb	1556967	31173	49.5	4.791	630							90
Dew Point	1358272	25554	40.6	5.881	630		10.1					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

 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
78/ 77										•2									1	1		
76/ 75								•2	•2	•2									3	3		
74/ 73								•2	•2										2	2		
72/ 71							•5	•5	•2										7	7		
70/ 69						•2	1.0	•2	•5	•3									13	13		
68/ 67						•2	1.6	•3	•3	•3									17	17		
66/ 65					•6	1.0	1.1	•5	•3	•2									23	23		
64/ 63				•2	•6	1.0	1.0	1.0	•3										25	25		
62/ 61				•3	1.8	1.3	1.0	•5											30	30	3	
60/ 59		•2		•5	1.4	1.6	1.9	•4	•2										40	40	6	
58/ 57		•6		1.6	1.6	1.6	•8	•2	•2										41	41	21	
56/ 55		•5	•6	2.9	2.7	1.8	•5	•2	•2										58	59	31	4
54/ 53		•6	1.4	1.6	2.4	2.4	•8												58	58	37	4
52/ 51		2.2	3.5	4.3	2.2	•5													80	80	55	16
50/ 49		1.6	4.5	3.3	3.7	•2													81	81	80	28
48/ 47		2.5	2.9	2.9	1.6														62	62	102	43
46/ 45		4.3	2.7	1.1	•2														52	52	100	63
44/ 43		2.2	1.4	•5															26	26	106	74
42/ 41			•6	•2															5	5	57	90
40/ 39		•2	•2																2	2	22	82
38/ 37		•3																	2	2	7	63
36/ 35																					1	38
34/ 33																						47
32/ 31																						49
30/ 29																						15
28/ 27																						7
26/ 25																						1
24/ 23																						1
22/ 21																						1
20/ 19																						2
TOTAL		15.3	17.8	18.9	18.0	11.5	10.9	4.1	2.4	1.1									628	629		628
																					628	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2606833	39049	62.2	16.981	628							
Dry Bulb	1870711	34005	54.1	7.175	629			6.2	•9			9[illegible]
Wet Bulb	1426997	29785	47.4	4.783	628							9[illegible]
Dew Point	1044072	25328	40.3	5.999	628		10.9					9[illegible]

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

4762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67						.2												1	1		
66/ 65					.2	.2	.3											4	4		
64/ 63					.3	.5	.3											7	7		
62/ 61				.3	.9	.5	.3	.2										13	13		
60/ 59				1.0	1.0	.5	.5											16	18		
58/ 57		.2	.5	2.4	1.3	.8	.5											35	35	.2	
56/ 55		.8	.8	2.5	1.1	.3		.2	.2									37	37	11	3
54/ 53			1.9	2.5	.8	.6		.2										38	38	24	2
52/ 51		2.4	4.1	1.7	1.0	.2												59	59	36	2
50/ 49		3.3	5.2	3.8	.5	.6												85	85	68	25
48/ 47	.3	7.5	4.9	6.2	.2													120	120	83	43
46/ 45		7.0	4.8	2.5	.2													91	91	107	71
44/ 43	.5	4.2	6.1	1.6														77	77	111	97
42/ 41		1.5	2.7	.2														24	24	95	83
40/ 39	.3	.8	1.1															13	13	58	79
38/ 37		1.0	.2															7	7	27	79
36/ 35		.2																1	1	7	51
34/ 33																				1	55
32/ 31																					26
30/ 29																					11
28/ 27																					1
26/ 25																					2
TOTAL	.1	28.1	32.2	24.8	7.1	4.3	1.9	.5	.2									630	630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3868623	45983	73.0	13.366	630							
Dry Bulb	1544406	30996	49.2	5.554	630			.1				98
Wet Bulb	1291811	28394	45.1	4.385	630							98
Dew Point	1048539	25485	40.5	5.291	630		5.7					95

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | APR MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 84										.0	.0	.0						4	4		
81/ 79									.0	.0	.0							4	4		
78/ 77									.0	.1								5	5		
76/ 75								.1	.1	.0								12	12		
74/ 73							.1	.2	.2		.1	.0						28	28		
72/ 71							.2	.3	.3	.1	.1							47	47		
70/ 69						.1	.5	.3	.3	.1								66	66		
68/ 67				.0	.1	.2	.5	.2	.1	.1								62	62		
66/ 65					.2	.4	.4	.4	.2	.0								86	86		
64/ 63				.2	.3	.6	.4	.4	.2	.1								109	109	4	
62/ 61			.0	.3	.7	.9	.6	.3	.2									146	146	15	
60/ 59		.0	.2	.5	.9	.8	.9	.3	.2									185	185	44	
58/ 57		.1	.3	1.4	1.4	1.0	.6	.3	.2									239	239	106	
56/ 55		.5	1.1	1.7	1.9	1.7	.3	.0	.2									330	331	129	15
54/ 53	.1	.7	1.6	2.3	1.9	1.0	.2	.1										391	391	213	34
52/ 51		1.4	3.2	2.7	1.4	.4		.1										460	460	336	73
50/ 49	.1	3.3	4.3	2.6	.9	.1												567	567	479	190
48/ 47	.2	5.6	3.7	2.3	.6													622	622	718	312
46/ 45	.2	6.6	4.7	1.3	.1													631	631	849	530
44/ 43	.2	5.3	3.1	.5														461	461	803	640
42/ 41	.1	2.6	2.3	.1														256	256	623	691
40/ 39	.2	1.8	.7															139	139	340	791
38/ 37	.3	1.6	.1															99	99	215	615
36/ 35	.1	.9	.2															47	47	101	422
34/ 33	.1	.5																29	29	43	342
32/ 31	.1	.2																12	12	25	241
30/ 29																				4	95
28/ 27																					30
26/ 25																					4
24/ 23																					4
22/ 21																					1
20/ 19																					5
18/ 17																					2

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

4763 USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23229	PORTLAND IAP OR	73-79	APR
STATION	STATION NAME	YEARS	MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	1.4	31.1	25.5	15.4	10.3	6.6	4.5	2.7	1.6	.7	.2	.1						5037	5038	5037	5037

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	26531336	355574	70.6	16.854	5037							
Dry Bulb	13187666	254696	50.6	7.864	5038		1.7	32.6	7.6	.6		720
Wet Bulb	1.6468 0	23[illegible]74	45.7	5.23[illegible]	5037		4.1					720
Dew Point	8371532	2[illegible]3592	4[illegible].4	5.319	5037		54.6					720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23229	PORTLAND IAP OR	73-79	MAY
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71									.2									1	1		
70/ 69								.3										2	2		
66/ 65						.2												1	1		
64/ 63				.5	.2	.2												5	5		
62/ 61				1.2	1.2	.5												18	18		
61/ 59		.8	1.1	1.8	1.4													33	33	2	
58/ 57		.8	1.8	2.2	1.2													39	39	11	1
56/ 55		1.1	4.1	2.6	.9													57	57	31	14
54/ 53		2.2	5.8	2.2	.2													67	67	44	9
52/ 51		2.2	9.5	2.3														91	91	71	19
50/ 49		5.4	8.9	2.8														111	111	84	59
48/ 47		8.1	6.8	1.4														106	106	133	85
46/ 45		6.3	5.7	.3														80	80	123	106
44/ 43	.2	2.6	1.5															28	28	82	121
42/ 41		.3																5	5	52	92
40/ 39	.2	.8																6	6	14	82
38/ 37		.2																1	1	4	39
36/ 35																					21
34/ 33																					3
TOTAL	.3	31.7	45.3	17.1	5.1	.8		.3	.2										651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3970481	50437	77.5	9.830	651							
Dry Bulb	1713599	33237	51.1	5.065	651			.4				93
Wet Bulb	1484189	30967	47.6	4.140	651							93
Dew Point	1276093	28681	44.1	4.385	651							93

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

4764

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] 59								.2										1	1		
62/ 61			.2	.3	.2		.2											5	5		
61/ 59		.6	.6	.5	.2	.2	.3											15	15		
58/ 57		.9	2.0	.8	.3													26	26	5	
56/ 55		1.1	3.8	1.2	.6	.2												45	45	16	6
54/ 53		2.9	4.1	.5	.3													51	51	28	10
52/ 51		4.3	5.8	1.1														73	73	60	22
50/ 49		6.3	6.3	.8														87	87	75	46
48/ 47	.2	13.2	5.4	.9														128	128	100	83
46/ 45	.2	11.4	4.6	.2														106	106	145	101
44/ 43	.2	8.7	2.3															66	66	106	120
42/ 41	.3	3.8	1.1															34	34	74	96
[illegible] 39	.3	.8																7	7	31	88
38/ 37	.2	.9																7	7	9	50
36/ 35																				2	26
34/ 33																					3
TOTAL	1.2	54.2	35.9	6.1	1.5	.3	.5	.2										651	651		651
																				651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4467724	53626	82.4	8.796	651							
Dry Bulb	1568331	31803	48.9	4.751	651			.1				93
Wet Bulb	1452[illegible]74	30138	46.3	4.[illegible]72	651							93
Dew Point	1249895	28386	43.6	4.324	651							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAY MONTH

 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
72/ 71							.2											1	1		
71/ 69								.2										1	1		
68/ 65				.3	.2	.2												4	4		
64/ 63				.2	.3	.2												4	4		
62/ 60		.2	.6	1.1	.8	.5												20	20		
61/ 59		.5	.5	2.6	.8	.2												29	29	6	
58/ 57		.3	2.5	3.2	.5													42	42	12	4
56/ 55		.2	3.8	3.1	.8													51	51	23	8
54/ 53		2.9	6.1	3.1	.2													80	80	38	5
52/ 51		2.9	8.3	2.6	.2													91	91	80	28
50/ 49		7.7	7.8	1.4	.2													111	111	89	59
48/ 47	.2	11.8	4.5	1.4														109	109	146	90
46/ 45		6.6	2.9															62	62	129	115
44/ 43	.3	3.7	.8															31	31	72	137
42/ 41	.2	1.8	.2															14	14	45	103
40/ 39																				15	56
38/ 37		.2																1	1	1	34
36/ 35																					12
TOTAL	.6	37.6	37.9	18.9	3.7	.9	.2	.2										651	651	651	651

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4061939	51739	78.4	9.642	651							
Dry Bulb	1726026	33304	51.2	5.800	651			.3				93
Wet Bulb	1499223	31133	47.8	3.988	651							93
Dew Point	1299108	28960	44.5	4.878	651							93

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

4765

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 — STATION
PORTLAND IAP OR — STATION NAME
73-79 — YEARS
MAY — 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												.2						1	1		
81/ 79									.3			.2						3	3		
78/ 77								.2										1	1		
76/ 75								.6	.2	.2								6	6		
74/ 73							.8	.6	.3									11	11		
72/ 71						.3	1.1	.2			.2							11	11		
70/ 69						1.1	.8			.2								13	13		
68/ 67					.6	1.7	.6											19	19		
66/ 65				1.4	1.1	1.7												27	27		
64/ 63			.2	.5	2.3	3.7	.2	.2										45	45	4	
62/ 61		.2	.6	.8	4.2	.5	.2	.2										41	41	15	
60/ 59		.2	.8	1.5	5.1	1.4	.2											59	59	40	
58/ 57			1.5	4.6	5.7	.8	.2											83	83	39	6
56/ 55		1.1	3.2	7.1	4.8	.8												110	110	40	13
54/ 53		.5	4.9	6.9	2.3													93	93	79	24
52/ 51			4.5	3.1	1.2													57	57	103	41
50/ 49		1.7	2.5	1.1	.6													38	38	135	68
48/ 47		1.2	2.3	.5														26	26	113	99
46/ 45		.3	.8															7	7	52	113
44/ 43																				29	99
42/ 41																				2	89
40/ 39																					55
38/ 37																					24
36/ 35																					14
34/ 33																					4
32/ 31																					2
TOTAL		5.1	21.2	27.3	27.3	11.8	3.8	1.8	.8	.3	.2	.3						651	651		651
																				651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2782926	41880	64.3	1.682	651							
Dry Bulb	2188312	37509	57.6	6.960	651			9.3	3.1	.4		93
Wet Bulb	1718405	33319	51.2	4.499	651							93
Dew Point	1342948	29412	45.2	4.663	651		.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

28229 — STATION
PORTLAND IAP OR — STATION NAME
73-79 — YEARS
MAY — MONTH

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
9 / 89														.3				2	2		
88/ 87														.2				1	1		
86/ 85										.2		.2	.2					3	3		
84/ 83										.3	.5	.6						9	9		
82/ 8.									.3	.3	.5	.2						8	9		
8 / 79									.6	1.2	.3							14	14		
78/ 77								.3	1.4	.6	.5							18	18		
76/ 75								.9	1.4	.2	.6							20	20		
74/ 73						.3	.2	2.6		.3	.2							23	23		
72/ 71						.6	1.2	1.2	.5	.3								25	25		
7 / 69					.2	.6	2.3	.6	.9									28	28		
68/ 67					.8	.9	1.7	.5	.5									28	28	2	
66/ 65				.3	.5	1.6	2.6	.9	.2									41	41	3	
64/ 63		.2	.3	.8	1.9	4.1	2.1											62	62	22	
62/ 61		.2	.5	1.1	2.3	3.5	1.7	.2										61	61	53	
60/ 59				1.4	5.1	4.5	.9	.3										79	79	46	1
58/ 57		.5	.5	2.8	5.7	1.5	.2											72	72	45	7
56/ 55		.5	2.3	4.5	3.5	.9												76	76	61	17
54/ 53		.2	1.2	1.8	1.7	.3												34	34	94	22
52/ 51		.3	2.3	.5	.5													23	23	131	44
50/ 49		1.1	1.4	.3														18	18	98	63
48/ 47		.2																1	1	73	98
46/ 45		.3	.2															3	3	16	114
44/ 43		.2																1	1	6	89
42/ 4		.2																1	1	1	82
4 / 39																					62
38/ 37																					30
36/ 35																					16
34/ 33																					11
32/ 31																					1
TOTAL		3.5	8.6	13.4	21.7	19.2	13.1	7.5	5.7	3.4	2.5	.9	.2	.5				651	651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2270559	35565	54.6	14.443	651							
Dry Bulb	2613039	40882	62.8	8.385	651			25.6	14.0	4.4		93
Wet Bulb	1875728	34806	53.5	4.876	651			.3				93
Dew Point	1344361	29413	45.2	4.875	651		.2					93

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC
4766

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

29229 (STATION) | PORTLAND IAP OR (STATION NAME) | 73-79 (YEARS) | MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1 - 2	3 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91															.3			2	2		
9 / 89														.3				2	2		
88/ 87												.2		.2				2	2		
86/ 85										.2		.6	.8	.2				11	11		
34/ 83											.9	.6	.6					14	14		
8 / 81									.2	.6	1.2							13	13		
8 / 79									.3	1.7	.2							14	14		
78/ 77								.3	1.4	.9	1.4	.6						30	30		
76/ 75								.8	1.7	.3	.6							22	22		
74/ 73							.3	1.1	.9	.5	.6	.2	.2					24	24		
72/ 7						.5	.8	2.2	1.4	.3	.2							34	34		
7 / 69						.6	1.2	1.2	.8	.5								28	28		
68/ 67			.2	.2	.5	.5	1.6	1.2	1.1									33	33	2	
66/ 65				.2	.5	1.1	2.6	1.7										39	39	2	
64/ 63		.3	.3	.5	.3	3.5	3.2	1.1	.2									61	61	28	
62/ 6			.6		3.1	4.6	1.1	.5										60	60	56	1
6 / 59			.8	1.8	2.5	2.8	1.3	.2										62	62	46	2
5 / 57		.9	.8	3.1	2.9	2.2	.2											65	65	52	4
56/ 55		.6	1.7	1.8	2.2	.2												42	42	57	12
54/ 53		.8	2.5	2.1	.8	.3												41	41	116	23
52/ 51		.8	2.6	.9	.3													30	30	113	25
5 / 49		.5	1.4	.3														14	14	91	65
48/ 47		.5	.5															6	6	62	109
46/ 45		.2	.2															2	2	21	103
44/ 43																				5	75
42/ 4																					89
0 / 39																					64
38/ 37																					42
36/ 35																					22
34/ 33																					8
32/ 31																					5
3 / 29																					1
26/ 23																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) MAY (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		4.5	11.4	10.8	12.9	15.5	12.4	10.1	7.8	4.9	5.1	2.2	1.5	.6	.3			651	651	651	651

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1937919	33687	51.7	17.308	651							
Dry Bulb	2747593	41651	64.3	9.373	651			32.7	19.1	7.4		93
Wet Bulb	1961783	35443	53.8	4.873	651			.3				93
Dew Point	3386904	28976	44.5	5.141	651		1.0					93

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

4467

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAY MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
9 / 89															.2			1	1		
86/ 85											.2		.2	.2				3	3		
84/ 83														.2				1	1		
82/ 81									.2	.2	.3	.2						5	5		
8 / 79									.2	.6	.5							8	8		
78/ 77								.2	.5	.5	.3							9	9		
76/ 75							.2	.9	1.8	.5	.3	.2						25	25		
74/ 73							.2	1.4	.6	.3	.2	.2						18	18		
72/ 71						.2	.8	1.4	.9	.6	.2							26	26		
7 / 69					.2		1.5	1.2	.8	.2								25	25		
68/ 67					.3	.3	1.4	.9	.5	.2								23	23		
66/ 65			.2	.3	1.1	2.5	1.5	.8	.2									42	42	2	
64/ 63		.3	.3	.5	1.1	2.5	1.4	.3										41	41	8	
62/ 61		.2	.2	.5	2.8	2.0	2.5	.6										56	56	24	
6 / 59		.6	.3	1.8	3.7	3.4	.8											69	69	48	2
58/ 57		1.1	1.1	1.5	2.8	2.2	.2											57	57	48	4
56/ 55		.8	1.8	2.5	4.1	1.2												68	68	61	13
54/ 53		1.8	2.2	2.2	1.4	.3												51	51	84	17
52/ 5		1.7	2.5	2.2	.6													45	45	111	29
5 / 49		3.2	2.2	1.7	.3													48	48	93	68
48/ 47		1.2	1.1	.5														18	18	89	101
46/ 45		1.2	.3	.2														11	11	50	88
44/ 43		.2																1	1	27	92
42/ 41																				6	73
8 / 39																					73
38/ 37																					46
36/ 35																					34
34/ 33																					12
32/ 31																					4
30/ 29																					1
TOTAL		12.3	12.0	13.7	18.3	14.9	10.3	7.7	5.5	2.9	1.8	.5	.2	.3	.2			651	651		651
																				651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2408811	37923	58.3	17.526	651							
Dry Bulb	2421175	39319	60.4	8.557	651			20.6	13.7	2.0		93
Wet Bulb	1776436	33858	52.0	4.385	651							93
Dew Point	1296561	28852	44.3	5.241	651		.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAY 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
76/ 75										.2								1	1		
74/ 73								.2	.2									2	2		
72/ 71					.3	.3	.2	.5										7	7		
71/ 69						.3	.5	.3	.3									9	9		
68/ 67					.2	.6	.8	.2		.2								13	13		
66/ 65					.2	1.7	.8	.2										18	18		
64/ 63			.2	.5	1.9	1.2	.6	.2										29	29	1	
62/ 61			.9	1.1	2.8	.8	.2											37	37	3	
60/ 59		.9	.5	3.2	1.3	1.1												44	44	7	
58/ 57		.3	.5	4.6	2.9	.2												55	55	40	1
56/ 55		1.1	2.2	4.8	2.2	.5												69	69	47	14
54/ 53		2.2	4.9	6.0	1.4	.2												95	95	61	16
52/ 51		2.9	4.3	3.7	.9													77	77	87	17
50/ 49		4.0	5.4	4.3	.2													90	90	115	69
48/ 47		4.9	2.2	1.4														55	55	112	100
46/ 45		2.0	2.6	.2	.2													32	32	92	111
44/ 43		.9	1.4															15	15	49	104
42/ 41		.5																3	3	28	78
40/ 39																				9	66
38/ 37																					47
36/ 35																					24
34/ 33																					3
32/ 29																					1
TOTAL		19.7	24.9	29.6	13.0	6.9	2.9	1.4	.5	.3								651	651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3295443	45527	69.9	13.101	651							
Dry Bulb	1960912	35494	54.5	6.288	651			4.6	.4			23
Wet Bulb	1600877	32153	49.4	6.444	651							93
Dew Point	1297624	28908	44.4	4.632	651		.1					93

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

4768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAY MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
93/ 91															.0			2	2		
9 / 89														.1	.0			5	5		
88/ 87												.0		.0				3	3		
86/ 85										.0	.0	.1	.1	.0				17	17		
84/ 83										.0	.2	.2	.1	.0				24	24		
82/ 81									.1	.1	.2	.3						27	27		
80/ 79									.2	.4	.1	.2						39	39		
78/ 77								.1	.0	.2	.3	.1						58	58		
76/ 75							.0	.4	.6	.2	.2	.0						74	74		
74/ 73						.0	.2	.7	.2	.1	.1	.0	.0					78	78		
72/ 71					.0	.2	.5	.7	.4	.2	.1							105	105		
70/ 69					.0	.3	.7	.5	.3	.1								107	107		
68/ 67			.0	.0	.3	.5	.7	.3	.2	.0								116	116	4	
66/ 65			.0	.3	.4	1.1	.9	.4	.0									172	172	7	
64/ 63		.1	.2	.4	.9	1.9	1.0	.2	.0									247	247	63	
62/ 6		.1	.4	.7	2.1	1.5	.7	.2										298	298	151	1
6 / 59		.4	.6	1.8	2.5	1.7	.5	.1										390	390	195	5
58/ 57		.6	1.3	2.8	2.7	.8	.1											439	439	252	27
56/ 55		.8	2.9	3.4	2.4	.5												518	518	336	97
54/ 53		1.7	4.3	3.1	1.3	.1												513	512	544	126
52/ 51		1.9	5.0	2.3	.5													487	487	756	225
5 / 49		3.7	4.5	1.6	.2													517	517	780	497
48/ 47	.	5.0	2.8	.7														449	449	828	765
46/ 45	.	3.5	2.2	.1	.													303	303	628	851
44/ 43	.1	1.9	.7															142	142	376	837
2/ 4	.1	.9	.2															57	57	208	702
8 / 39	.1	.2																13	13	64	546
38/ 37	.	.2																9	9	14	306
36/ 35																				2	163
34/ 33																					44
32/ 31																					12
3 / 29																					2
28/ 27																					1
26/ 23																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | MAY MONTH

 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	.1	21.0	24.7	17.1	13.0	8.7	5.4	3.6	2.6	1.5	1.2	.5	.2	.2	.1			5208	5208	5208	5208

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	25 03792	349684	67.1	17.112	5208							
Dry Bulb	16932973	293389	56.3	8.821	5208			93.6	46.7	18.3		744
Wet Bulb	13261977	261403	50.2	5.213	5208			.6				744
Dew Point	10413484	231588	44.5	4.705	5208		2.3					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75							.2											1	1		
74/ 73							.2											1	1		
72/ 71					.2	.3												3	3		
70/ 69				.2	.3	.2												4	4		
68/ 67			.3	.6	.2	.3	.2											10	10		
66/ 65		.5	.8	.5	.6	1.1		.3										24	24		
64/ 63		.2	1.1	2.9	2.2	.6	.2	.2										46	46	9	3
62/ 6.			1.6	3.2	1.7	.3												43	43	16	1
6 / 59		.5	5.2	6.7	1.1	.8												86	86	12	8
58/ 57		1.9	9.1	5.1	1.3	.3												103	103	46	11
56/ 55		2.2	11.5	2.7	.3													104	104	94	28
54/ 53		1.9	7.3	5.9	.5													98	98	128	50
52/ 51	.2	.5	4.3	1.6														39	39	124	83
5 / 49		1.3	4.5	.8														41	41	75	121
48/ 47		1.1	1.9	.2														17	17	71	108
46/ 45		.5	.5															6	6	39	68
44/ 43			.5															3	3	9	73
42/ 4																				5	43
4 / 39																				1	20
38/ 37																					11
36/ 35																					1
TOTAL	.2	9.5	47.5	29.6	8.1	4.0	.6	.3											629		629
																		629		629	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	343.238	46 76	73.3	9.362	629							
Dry Bulb	2.46466	35742	56.8	4.965	629			2.7	.3			90
Wet Bulb	1729.01	32873	52.3	4.182	629							90
Dew Point	1471227	30278	48.1	4.677	629							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67			.2	.2	.2													3	3		
66/ 65		.3	.6	.2	.2													8	8		
64/ 63		.3	.2	.3	.3													7	7	3	
62/ 61		.3	1.6	1.3	1.[illegible]													26	26	7	4
[illegible] / 59		.8	4.3	3.[illegible]	.6	.2												56	56	15	5
58/ 57		2.4	11.3	1.9	.6													102	102	21	7
56/ 55		3.3	10.5	2.9	.6													109	109	62	20
54/ 53		5.1	12.6	2.4														126	126	117	44
[illegible] / [illegible]	.2	3.3	7.3	.5														71	71	124	88
[illegible] / 49		3.7	5.2	.6														60	60	117	118
48/ 47		2.5	2.1	.2														30	30	82	122
[illegible]/ 45		3.2	.3															22	22	43	75
44/ 43		.8	.3															7	7	30	75
42/ [illegible]		.3																2	2	6	42
[illegible] / 39																				2	24
38/ 37																					5
TOTAL	.2	26.4	56.4	13.4	3.5	.2												629	629	629	629

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3961168	49696	79.[illegible]	7.443	629							
Dry Bulb	1871138	34194	54.4	4.420	629			.4				90
Wet Bulb	1645917	32477	51.[illegible]	4.021	629							90
Dew Point	1455726	30136	47.9	4.346	629							90

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

USAFETAC 470

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

 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
74/ 73						.2												1	1		
72/ 7.					.2	.3												3	3		
7 / 69			.2		.6	.2		.2										7	7		
68/ 67			.3	.8	.2	.5	.3											13	13		
66/ 65			1.1	1.1	1.(	.5	.2											24	24	1	
64/ 63			.6	2.4	1.2	.3												29	29	10	1
62/ 61		.2	1.3	5.1	1.4	.3												50	50	12	5
60/ 59		.5	7.6	6.5	1.9													104	104	16	7
58/ 57		1.1	7.8	5.9	1.(													99	99	47	10
56/ 55		1.7	8.9	5.9	1.1													111	111	114	20
54/ 53		2.5	7.3	3.7	.2													86	86	111	58
52/ 51		1.4	5.2	1.6														52	52	122	103
50/ 49		1.6	3.5	.2														33	33	108	128
48/ 47		.8	1.1															12	12	59	97
46/ 45		.6																4	4	29	89
44/ 43		.2																1	1	7	57
42/ 41																				1	43
40 / 39																					13
38/ 37																					1
TOTAL		11.7	44.7	33.1	8.7	2.2	.5	.2											629		629
																		629		629	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3475161	46431	73.8	8.720	629							
Dry Bulb	2 625 1	35883	57.(	9.798	629			3.4	.1			93
Wet Bulb	1747.79	33 55	52.6	3.987	629							93
Dew Point	1497453	30673	48.6	9.266	629							96

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUN MONTH

 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
84/ 83									•2			•2						2	2		
82/ 8								•3	•2									4	4		
8 / 79							•3	•5		•2								6	6		
73/ 77							•6	•8	•3									11	11		
76/ 75						•6	•5	•8	•2	•2								14	14		
74/ 73				•2	•3	1.7	1.4	1.0	1.0			•2						36	36		
72/ 71					•2	1.0	1.9	•3	•2									23	23		
7 / 69				•2	1.3	3.8	2.1	•2	•2									48	48		
66/ 67			•3	•2	1.7	1.9	2.2	•2										41	41	10	
66/ 65				1.1	4.3	2.7	•8	•3										58	58	14	
64/ 63				1.3	4.8	3.7	•3											61	61	29	1
62/ 6		•3	1.1	4.3	5.6	2.1	•5											86	86	37	6
1 / 59		•6	1.6	5.1	4.1	2.1	•2											85	85	68	13
58/ 57		•6	2.9	3.7	3.8	•8												74	74	89	24
56/ 55		•2	2.7	1.7	1.3	•2	•2											39	39	102	44
54/ 53		1.8	2.1	2.1	•3													34	34	106	52
52/ 51			•5	•6														7	7	97	89
5 / 49			•2															1	1	53	120
48/ 47																				21	88
46/ 45																				4	81
44/ 43																					54
42/ 4																					31
4 / 39																					17
38/ 37																					4
36/ 35																					4
34/ 33																					2
TOTAL		2.7	11.1	20.0	27.5	20.5	11.0	4.3	2.4	•3		•3						630	630		630
																				630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	23842 6	38786	61.5	11.401	630							
Dry Bulb	2561009	39959	63.4	6.494	630			26.4	10.4	1.1		90
Wet Bulb	1958487	35011	55.6	4.515	630			1.4				90
Dew Point	1528867	30877	49.0	4.972	630		.3					90

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 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	Wet Bulb	Dew Point
92/ 91												.2	.2					2	2		
90/ 89											.3		.3					4	4		
88/ 87										.6	.6	.2						9	9		
86/ 85									.2	.0	1.1	.3						15	15		
84/ 83									.8	2.1	1.0	.5						27	27		
82/ 81							.3	.5	1.3	.6	.3	.5						22	22		
80/ 79						.2	.6	1.4	.8	1.3	.8	.2	.2					34	34		
78/ 77						.2	.6	.8	1.4	1.0	.2	.2						27	27		
76/ 75						.5	.8	1.7	1.4	.5		.2						32	32		
74/ 73						1.0	1.9	2.5	1.1	.5								44	44		
72/ 71						1.4	2.9	2.7	.8									49	49	1	
70/ 69				.3		2.1	3.2	1.7	1.0									52	52	14	
68/ 67			.2		1.4	1.7	2.5	1.1	.3									46	46	30	
66/ 65			.5	.6	2.2	3.5	2.7	.6										64	64	42	1
64/ 63			.5	1.0	2.2	2.2	1.9	.5										52	52	40	3
62/ 61		.2	1.6	1.3	1.1	2.5	1.7											53	53	62	8
60/ 59		.2	1.9	2.2	1.7	1.7	.6											53	53	89	19
58/ 57		.3	1.1	1.6	.5	.3												24	24	96	37
56/ 55			1.4	.2	.5													10	10	94	50
54/ 53		.8	.5	.2														9	9	72	55
52/ 51			.3															2	2	65	87
50/ 49																				19	97
48/ 47																				6	81
46/ 45																					70
44/ 43																					48
42/ 41																					29
40/ 39																					28
38/ 37																					9
36/ 35																					4
34/ 33																					3
32/ 31																					1
TOTAL		1.4	7.5	7.3	9.7	17.3	19.8	13.7	9.0	7.3	4.3	2.1	.6						639		639
																		630		630	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1736113	31875	50.6	14.006	630							
Dry Bulb	3,82692	43748	69.4	8.437	630			51.9	30.9	13.4		9[illegible]
Wet Bulb	2145963	36631	58.1	5.055	630			6.4				9[illegible]
Dew Point	154968[illegible]	31[illegible]42	49.3	5.660	630		.1					9[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
94/ 93												.2						1	1		
92/ 91												.3	.3	.2				5	5		
90/ 89											.8	.5	.3	.5				13	13		
88/ 87										.2	.8	1.3	.6	.6				22	22		
86/ 85								.3	.3	1.3	1.9	.8	.3					31	31		
84/ 83								.8	.6	1.0	1.3	1.0	.6					33	33		
82/ 81								.2	1.3	1.4	1.3	1.4	.2					36	36		
80/ 79								1.0	.8	1.7	.8	.6						31	31		
78/ 77								1.1	1.4	.3	.3	.2						21	21		
76/ 75							.3	1.4	2.5	1.1	.2	.3						37	37		
74/ 73						.5	2.4	2.7	2.4	1.0								56	56		
72/ 71						1.3	1.1	2.4	1.7	.3								43	43	4	
70/ 69					.3	1.0	1.9	1.9	1.4									41	41	15	
68/ 67			.5	.6	1.0	1.7	2.7	3.0	.2									61	61	29	
66/ 65			.2	.8	1.7	2.1	1.9	1.4										51	51	47	2
64/ 63			.6	.5	1.6	2.2	2.4	.8										51	51	62	2
62/ 61		.6	.8	.8	.8	1.4	.5											31	31	77	6
60/ 59		.2	1.0	1.1	1.3	.8	.3											29	29	85	12
58/ 57		.2	1.3	.3	.8													16	16	87	34
56/ 55		.3	1.6	.2														13	13	80	59
54/ 53		.3	.3	.2														5	5	80	54
52/ 51			.5															3	3	50	61
50/ 49																				13	86
48/ 47																				4	90
46/ 45																					72
44/ 43																					59
42/ 41																					30
40/ 39																					39
38/ 37																					12
36/ 35																					11
34/ 33																					1
TOTAL		1.6	6.7	4.4	7.5	11.0	13.5	17.0	12.7	8.3	7.3	6.5	2.4	1.3					630		630
																		630		630	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1490160	29068	46.1	15.390	630							
Dry Bulb	3309813	45299	71.9	9.151	630			61.6	40.9	21.7	.1	90
Wet Bulb	2196939	37069	58.8	5.014	630			6.9				90
Dew Point	1511250	30636	48.6	5.842	630		.1					90

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

4772

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
9 / 89											.2	.2						2	2		
88/ 87										.2	.3	.2						4	4		
86/ 85									.2	.8	.2	.3	.2					10	10		
84/ 83									.6	.6	.8	.2	.2					15	15		
82/ 81								.5	.5	1.0	.8							17	17		
80/ 79							.2	.6	.8	1.1	.5							20	20		
78/ 77							.3	1.1	2.1	1.3	.3		.2					33	33		
76/ 75						.5	1.4	1.9	1.7	.8	.3							42	42		
74/ 73					.2	.8	1.6	1.9	1.4	.5								40	40		
72/ 71					.6	1.4	3.0	1.4	1.0	.2								48	48		
70/ 69					.8	1.7	1.6	1.9	1.1									45	45	6	
68/ 67			.5	.3	2.2	1.9	2.1	1.0	.2									51	51	17	
66/ 65			.2	.8	2.9	1.9	1.9	.8										53	53	21	
64/ 63		.3	.6	1.6	2.7	3.0	1.3	.3										62	62	56	
62/ 61		.5	1.3	1.6	2.2	2.1	.6											52	52	70	10
60/ 59		.3	2.5	2.1	2.7	1.7												59	59	91	15
58/ 57		.2	1.6	1.4	1.7	.5												34	34	84	21
56/ 55		.6	2.4	.6	.6	.2												28	28	96	60
54/ 53		.3	.6	.3	.2													10	10	85	65
52/ 51			.3															2	2	65	82
50/ 49			.3															2	2	27	99
48/ 47		.2																1	1	8	84
46/ 45																				4	61
44/ 43																					52
42/ 41																					37
40/ 39																					28
38/ 37																					14
36/ 35																					1
34/ 33																					1
TOTAL		2.4	10.3	8.9	16.8	15.7	14.0	11.4	9.5	6.3	3.3	.8	.5						630		630
																		630		630	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1935359	33625	53.4	14.956	630							
Dry Bulb	2934728	42692	67.8	8.142	630			46.7	26.1	8.6		9[illegible]
Wet Bulb	2.9.122	36172	57.4	4.764	630			3.3				9[illegible]
Dew Point	1537871	34937	49.1	5.448	630		.1					9[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79							.2											1	1		
78/ 77								.2	.2									2	2		
76/ 75						.3	.2	.3	.2									6	6		
74/ 73						.8	.6	.3	.2									12	12		
72/ 71				.2	.5	.8	1.3	.6	.2									22	22		
70/ 69				.5	1.0	2.5	1.6	.5										38	38		
68/ 67			.3	.5	1.7	1.4	1.1	.2	.2									34	34	1	
66/ 65		.2	.8	2.2	2.7	1.1	1.1	.3	.3									55	55	6	
64/ 63			.2	3.2	3.5	1.4	.2	.2										54	54	16	1
62/ 61		.2	1.3	3.2	4.4	1.2	.3											65	65	32	4
60/ 59		.8	3.2	6.3	3.3	1.5	.2											93	93	59	12
58/ 57		1.6	4.4	4.8	2.7	.3												82	82	70	17
56/ 55		2.2	4.3	5.6	2.7													93	93	121	41
54/ 53			1.7	3.5	.5													36	36	113	65
52/ 51		.5	1.1	1.4	.2													19	19	80	100
50/ 49		.3	.6	.8	.2													12	12	74	108
48/ 47		.2	.3															3	3	36	76
46/ 45		.3	.2															3	3	16	82
44/ 43																				4	54
42/ 41																				2	31
40/ 39																					27
38/ 37																					7
36/ 35																					3
34/ 33																					1
32/ 31																					1
TOTAL		6.2	18.3	31.3	23.3	10.6	6.7	2.5	1.1									630	630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs:	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2806557	41383	65.7	11.843	630							
Dry Bulb	2350730	38300	60.8	5.959	630			16.4	3.0			90
Wet Bulb	1871335	34221	54.3	4.449	630			.1				90
Dew Point	1515613	30737	48.8	5.842	630		.1					90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
4773

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93												.0						1	1		
92/ 91												.1	.1	.0				7	7		
90/ 89											.2	.1	.1	.1				19	19		
88/ 87										.1	.2	.2	.1	.1				35	35		
86/ 85								.0	.1	.4	.4	.2	.1					56	56		
84/ 83								.1	.3	.5	.4	.2	.1					77	77		
82/ 81							.0	.2	.4	.4	.3	.2	.0					79	79		
80/ 79						.0	.2	.4	.3	.5	.3	.1	.0					92	92		
78/ 77						.0	.2	.5	.7	.3	.1	.0	.0					94	94		
76/ 75						.2	.4	.8	.8	.3	.1	.1						132	132		
74/ 73				.0	.1	.6	1.0	1.1	.8	.2		.0						190	190		
72/ 71				.0	.2	.8	1.3	.9	.5	.1								191	191	5	
70/ 69			.0	.1	.5	1.4	1.3	.8	.5									235	235	35	
68/ 67			.3	.4	1.1	1.2	1.4	.7	.1									259	259	87	
66/ 65		.3	.5	.9	1.9	1.6	1.1	.5	.0									337	337	131	3
64/ 63		.1	.5	1.6	2.3	1.7	.8	.2										362	362	225	11
62/ 61		.3	1.3	2.6	2.3	1.2	.5											406	406	313	44
60/ 59		.5	3.4	4.1	2.1	1.1	.2											565	565	435	91
58/ 57		.9	4.9	3.0	1.5	.3												534	534	540	161
56/ 55		1.3	5.3	2.5	.9	.0	.0											507	507	763	322
54/ 53		1.5	4.1	2.3	.2													404	404	812	443
52/ 51	.1	.7	2.4	.7	.0													195	195	727	693
50/ 49		.9	1.8	.3	.0													149	149	475	877
48/ 47		.6	.6	.1														63	63	287	746
46/ 45		.6	.1															35	35	135	598
44/ 43		.1	.1															11	11	50	472
42/ 41		.0																2	2	14	283
40/ 39																				3	196
38/ 37																					63
36/ 35																					24
34/ 33																					4
32/ 31																					4
30/ 29																					2

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	.0	7.6	25.3	18.5	13.1	10.2	8.3	6.2	4.3	2.8	1.9	1.2	.4	.2				5037	5037	5037	5037

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	21218962	316247	62.8	16.460	5037							
Dry Bulb	20218077	315817	62.7	9.095	5037			209.7	111.8	44.9	.1	72
Wet Bulb	15385873	277109	55.0	5.288	5037			18.2				72
Dew Point	12067667	245216	48.7	5.077	5037		.9					72

4774 USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
76/ 75						.2	.2											2	2		
74/ 73				.2		.3	.3											5	5		
72/ 71				.2	1.2	.8	.2											15	15		
70/ 69				.6	2.8	1.8	.3											36	36		
68/ 67			.2	2.9	1.4	.8	.2											35	35	1	
66/ 65		.5	1.1	4.3	1.4	1.5												55	55	3	
64/ 63		.2	2.3	5.1	2.6	.6	.2											71	71	27	2
62/ 61		.3	6.5	7.1	1.8	.6	.2											107	107	59	5
60/ 59		2.2	9.1	6.8	1.4													121	121	67	24
58/ 57		1.7	9.1	5.2	.8													109	109	124	53
56/ 55		1.4	5.1	1.7														53	53	136	91
54/ 53		.8	2.5	1.2														29	29	109	103
52/ 51		1.2	.3															10	10	91	128
50/ 49		.3	.2															3	3	30	106
48/ 47																				4	72
46/ 45																					57
44/ 43																					6
42/ 41																					4
TOTAL		8.4	36.1	34.1	13.4	6.6	1.4											651	651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3444032	46978	72.2	9.112	651			13.3	1.1			93
Dry Bulb	2442081	39755	61.1	4.697	651			.1				93
Wet Bulb	2 48954	36444	56.0	3.671	651							93
Dew Point	1759176	33742	51.8	3.966	651							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

 0300-1500 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				.2	.3													3	3		
68/ 67				1.1	.8	.2												13	13		
66/ 65		.3	1.1	2.0	.3	.2												25	25		
64/ 63		.2	3.8	2.8	1.3													51	51	6	
62/ 61		1.8	4.9	3.7	.5													71	71	19	2
60/ 59		2.9	12.4	5.5	1.1													143	143	72	11
58/ 57		4.8	11.4	6.3	.2													147	147	89	55
56/ 55		3.4	8.9	2.8														98	98	143	80
54/ 53		2.6	5.2	.2	.2													53	53	128	101
52/ 51		2.3	2.6															32	32	120	138
50/ 49		1.2	.2		.2													10	10	53	106
48/ 47		.6																4	4	18	98
46/ 45		.2																1	1	2	53
44/ 43																					4
42/ 41																				1	1
36/ 35																					1
32/ 31																					1
TOTAL		20.3	50.5	24.4	4.5	.3													651		651
																		651		651	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4005060	50804	78.1	7.876	651							
Dry Bulb	2223860	37964	58.3	3.910	651			2.3				93
Wet Bulb	1943825	35503	54.5	3.426	651							93
Dew Point	1730747	33477	51.4	3.768	651		.1					93

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

USAFETAC 475

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (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	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77							•2											1	1		
76/ 75						•2												1	1		
74/ 73						•3												2	2		
72/ 71					•3	•3	•2											5	5		
70/ 69				•5	2.3	•6	•3											24	24		
68/ 67				1.2	2.0	•3												23	23		
66/ 65			•8	3.1	2.3	•2												41	41	2	
64/ 63		•8	2.7	6.2	2.5	•6												78	78	13	
62/ 61		1.2	7.8	6.2	1.8													111	111	42	
60/ 59		1.8	11.9	8.9	2.2	•2												156	156	68	15
58/ 57		2.8	6.5	5.1	•8													111	111	135	56
56/ 55		1.2	5.8	1.8														58	58	151	91
54/ 53		1.2	2.8	•2														27	27	118	132
52/ 51		•9	•6															10	10	86	115
50/ 49		•3																2	2	33	113
48/ 47																				2	88
46/ 45																					37
44/ 43																					4
42/ 41																					2
TOTAL		10.3	39.2	33.1	14.2	2.6	.6												650		650
																		650		650	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3588825	47981	73.8	8.511	650							
Dry Bulb	2383752	39277	60.4	4.162	650			8.0	•6			93
Wet Bulb	2224266	36213	55.7	3.385	650							93
Dew Point	1757713	33721	51.9	3.580	650							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL MONTH

PAGE 1 | 0900-1100 HOURS (L; S; T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (°F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93													•2					1	1		
88/ 87											•3							2	2		
86/ 85									•2	•2								2	2		
84/ 83									•2	•5								4	4		
82/ 81								•6	•6	•3								10	10		
80/ 79							•6	1•2	•6									16	16		
78/ 77							1•7	2•0	•6									28	28		
76/ 75						•9	2•9	•9	•3									33	33		
74/ 73						2•3	2•6	1•5	•2									43	43		
72/ 71					2•2	2•5	2•6	1•4										56	56		
70/ 69				•2	2•3	4•3	2•6	•3										63	63	3	
68/ 67			•3	•6	4•3	4•1	1•4											70	70	17	
66/ 65		•2	•2	3•1	6•1	2•0	•6											79	79	38	
64/ 63			•8	3•8	4•5	4•1												86	86	76	
62/ 61			2•8	4•0	5•1	•9												83	83	72	7
60/ 59		•5	1•7	3•8	1•8	•2												52	52	117	25
58/ 57		•5	1•1	1•5	•2													20	20	135	71
56/ 55			•2	•2														3	2	92	108
54/ 53					•2													1	1	80	100
52/ 51																				20	115
50/ 49																					91
48/ 47																					77
46/ 45																				1	46
44/ 43																					9
42/ 41																					1
38/ 37																					1
TOTAL		•9	6•9	17•2	26•6	21•4	15•1	8•0	2•6	•9	•3		•2					651	651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs:	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2336493	38387	59.0	10.594	651							
Dry Bulb	2990162	43934	67.5	6.225	651			46.9	19.9	3.6	.1	93
Wet Bulb	2259220	38266	58.8	3.910	651			2.9				93
Dew Point	1784472	33982	52.2	4.042	651							93

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

4776

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (MONTH)

 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
102/101																•2			1	1		
100/ 99															•2				1	1		
98/ 97														•3		•2			3	3		
96/ 95															•3				2	2		
94/ 93													•6	•3					6	6		
92/ 91											•2	•5	•3						6	6		
90/ 89										•5	1.2	•8	•5						19	19		
88/ 87										•9	1.7	•5	•2						21	21		
86/ 85									1.1	2.2	•6	•5	•2						29	29		
84/ 83									2.6	2.0	•9	•2							37	37		
82/ 81							•2	1.2	1.2	1.8	•3								31	31		
80/ 79							•8	2.3	2.6	1.4	•2	•2							48	48		
78/ 77							1.1	2.8	2.5	1.5	•2								52	52		
76/ 75						•5	2.3	3.2	1.8	•6	•2								56	56		
74/ 73						•8	2.9	2.8	1.1		•2								50	50		
72/ 71					•9	2.9	4.3	1.7	•6										68	68	11	
70/ 69				•2	1.5	3.2	2.6	1.5	•5										62	62	39	
68/ 67				•6	2.[illegible]	1.4	2.2	•6											44	44	66	
66/ 65			•2	•8	•9	4.0	•8												43	43	66	
64/ 63			•5	•8	2.8	2.2													38	38	79	1
62/ 61			•5	•6	2.[illegible]														20	20	122	13
60/ 59		•5	•5	•8	•3														13	13	99	41
58/ 57			•2																1	1	72	72
56/ 55																					65	120
54/ 53																					31	79
52/ 51																					1	99
50/ 49																						104
48/ 47																						67
46/ 45																						34
44/ 43																						20
42/ 41																						6
40/ 39																						1
38/ 37																						3

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL 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		.5	1.7	3.7	10.2	14.9	17.1	16.1	14.0	10.9	5.5	2.5	1.7	.6	.5	.3		651	651	651	651

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1543194	30776	47.3	11.690	651							
Dry Bulb	3673332	48606	74.7	8.249	651			76.6	51.7	25.6	1.9	93
Wet Bulb	2487031	40131	61.6	8.493	651			16.6				93
Dew Point	1802035	34122	52.4	4.558	651							93

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

4777

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
102/ 101																.3	.3	4	4		
100/ 99																	.2	1	1		
98/ 97															.3	.5	.6	9	9		
96/ 95														.2	.2	.2		3	3		
94/ 93											.2		.8	.8	.6	.2		16	16		
92/ 91											1.2	1.5	.6	.6	.3			28	28		
90/ 89										.3	.3	2.0	1.2	.3	.2			28	28		
88/ 87										.6	1.7	1.2	.5	.5				29	29		
86/ 85									1.4	1.2	2.8	.8	.2	.2				42	42		
84/ 83								.6	.8	2.2	2.8	.2	.2					43	43		
82/ 81								.3	2.9	1.8	2.0	.9						52	52		
80/ 79							.3	3.2	2.0	2.5	.8	.2						58	58		
78/ 77							.6	2.2	2.0	.9								37	37		
76/ 75						.2	1.2	2.9	1.2	1.1								43	43		
74/ 73				.2		.8	3.5	3.2	1.4									59	59	1	
72/ 71				.3	.6	1.1	2.5	1.8	.8									46	46	15	
70/ 69			.2	.6	.9	2.0	2.0	2.2										51	51	50	
68/ 67				.2	1.1	1.2	1.8											28	28	63	
66/ 65			.3	.6	.9	2.6	.6											33	33	108	
64/ 63			.6	.9	.6	1.1												21	21	89	6
62/ 61			.3	1.1	.5													12	12	112	24
60/ 59			.3	.2														3	3	83	21
58/ 57			.2															1	1	75	59
56/ 55			.6															4	4	38	109
54/ 53																				15	81
52/ 51																				2	104
50/ 49																					90
48/ 47																					71
46/ 45																					52
44/ 43																					18
42/ 41																					11
40/ 39																					4
38/ 37																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) JUL (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	Dew Point
TOTAL			2.5	4.8	4.6	8.9	12.6	16.4	12.4	10.6	11.7	6.8	3.4	2.5	1.5	1.1	1.1	651	651	651	651

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1301847	27825	42.7	13.159	651							
Dry Bulb	3993448	50648	77.8	9.031	651			82.4	64.6	41.1	4.7	93
Wet Bulb	2564669	40761	62.6	4.386	651			18.4	.1			93
Dew Point	1779132	33888	52.1	4.817	651							93

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

4778

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL MONTH

 1600-2000 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
102/ 101																	.2	1	1		
98/ 97															.2	.2		2	2		
96/ 95														.2				1	1		
94/ 93														.2		.2		2	2		
92/ 91										.2		.2	.5					5	5		
9 / 89										.2	.9	.5	.3					12	12		
88/ 87										.6	1.7	.9	.2					22	22		
86/ 85									.8	.9	1.4	.6	.2					25	25		
84/ 83								.3	.8	2.5	1.1	.2	.2					32	32		
8 / 81							.2	1.2	1.7	1.4	1.1							36	36		
8 / 79							.8	2.5	1.2	.8	.8							39	39		
78/ 77						.2	2.0	2.9	2.2	1.1								54	54		
76/ 75						.5	2.9	1.8	1.1	.3								43	43		
74/ 73					.3	2.3	3.5	2.5	.5	.6								56	56	1	
72/ 71				.3	1.1	3.1	3.2	1.4	.5									62	62	3	
7 / 69				.2	2.6	3.2	2.0	.8	.3									63	63	28	
68/ 67				1.1	1.7	3.2	1.2											47	47	53	
66/ 65			.2	1.2	3.1	3.1	.5											52	52	80	
64/ 63		.8	.6	.9	1.5	1.4												34	34	96	3
62/ 6		.2	1.2	1.1	2.5													32	32	123	17
6 / 59		1.1	.8	.8	.9													23	23	88	34
58/ 57		.2	.3		.3													4	4	87	86
56/ 55			.5															3	3	59	136
54/ 53			.2															1	1	26	76
52/ 51																				7	93
5 / 49																					86
48/ 47																					67
46/ 45																					35
44/ 43																					8
42/ 41																					10
TOTAL		2.2	3.7	5.5	13.7	16.9	16.9	12.4	8.9	8.4	6.9	2.3	1.2	.3	.2	.3	.2	651	651	651	651

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1782498	32892	50.5	13.622	651							
Dry Bulb	3549899	47769	73.4	8.294	651			71.7	47.1	22.1	.9	93
Wet Bulb	24654 1	39965	61.4	4.286	651			12.1	.1			93
Dew Point	1633425	34427	52.9	4.447	651							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229	PORTLAND IAP OR	73-79	JUL
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85										.2								1	1		
82/ 81								.3	.6	.2								7	7		
81/ 79							.3	.3	.3	.2								7	7		
78/ 77						.2	.9	1.1	.5									16	16		
76/ 75						1.5	1.5	.8	.2									26	26		
74/ 73					.2	2.5	2.0	.3	.3									34	34		
72/ 71				.2	2.6	3.2	1.2	.9										53	53		
70/ 69				.5	2.9	3.4	1.3	.3	.1									55	55		
68/ 67			.3	1.5	4.8	2.5	.9	.2										66	66	9	
66/ 65		.3		4.6	5.7	1.4	.8											83	83	26	
64/ 63		.5	1.1	6.3	4.9	.9	.2											90	90	74	
62/ 61		.3	2.8	4.3	4.1	.2												75	75	87	11
60/ 59		.9	3.2	5.5	2.8													81	81	117	28
58/ 57		.8	1.8	3.5	.1													42	42	122	79
56/ 55			1.2	.3														10	10	103	136
54/ 53		.3	.3															4	4	79	88
52/ 51		.2																1	1	39	96
50/ 49																				2	116
46/ 47																					58
46/ 45																					39
44/ 43																					6
42/ 41																					4
TOTAL		3.2	13.3	26.7	28.0	15.7	8.9	4.1	2.2	.5								651		651	651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2716745	41383	63.6	18.820	651							
Dry Bulb	2839336	42822	65.8	5.891	651			37.9	13.0	1.9		93
Wet Bulb	2224085	37969	58.3	3.838	651			1.3				93
Dew Point	1817104	34294	52.7	4.025	651							93

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

4779

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | JUL MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
102/101																.1	.1	6	6		
100/ 99															.2		.0	2	2		
98/ 97														.0	.1	.1	.1	14	14		
96/ 95														.0	.1	.0		6	6		
94/ 93											.0		.2	.2	.1	.0		25	25		
92/ 91										.0	.2	.3	.2	.1	.0			39	39		
90/ 89										.1	.3	.4	.2	.0	.0			59	59		
88/ 87										.3	.7	.3	.1	.1				74	74		
86/ 85									.0	.6	.6	.2	.1	.0				99	99		
84/ 83								.1	.5	.9	.6	.1	.0					116	116		
82/ 81							.0	.5	.9	.7	.4	.1						136	136		
80/ 79							.3	1.2	.8	.6	.2	.0						168	168		
78/ 77						.0	.8	1.4	1.0	.4	.0							188	188		
76/ 75						.5	1.4	1.2	.6	.2	.0							204	204		
74/ 73				.0	.0	1.2	1.9	1.2	.4	.1	.0							249	249	2	
72/ 71				.1	1.1	1.7	1.8	.9	.2									305	305	29	
70/ 69			.0	.3	1.9	2.3	1.5	.6	.1									357	357	120	
68/ 67			.1	1.2	2.2	1.7	1.0	.1										326	326	209	
66/ 65		.2	.5	2.4	2.6	1.9	.4											411	411	323	
64/ 63		.3	1.5	3.3	2.5	1.4	.3											469	469	460	12
62/ 61		.5	3.3	3.5	2.3	.2	.1											511	511	629	79
60/ 59		1.2	4.9	3.9	1.3	.0												592	592	711	199
58/ 57		1.3	4.1	2.7	.3													435	435	839	531
56/ 55		.7	2.8	.8														228	228	787	871
54/ 53		.6	1.4	.2	.1													115	115	586	760
52/ 51		.6	.9															53	53	366	879
50/ 49		.2	.3		.1													15	15	118	799
48/ 47		.1																4	4	24	598
46/ 45		.1																1	1	3	353
44/ 43																					75
42/ 41																				1	39
40/ 39																					5
38/ 37																					5
36/ 35																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229	PORTLAND IAP OR	73-79	JUL
STATION	STATION NAME	YEARS	MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
32/ 31 TOTAL		5.7	18.9	18.6	14.4	10.9	9.1	7.1	5.0	3.9	3.1	1.4	.8	.4	.3	.2	.2		5207		5207
																		5207		5207	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2[illegible]708694	317[illegible]20	60.9	16.442	5207							
Dry Bulb	24[illegible]09587[illegible]	350768	67.4	9.466	5207			339.1	197.9	93.9	7.6	744
Wet Bulb	18[illegible]17429	305249	58.6	4.858	5207			51.4	.3			744
Dew Point	14263699	271653	52.2	4.189	5207		.1					744

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

4-80

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

 0000-0700 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
78/ 77									.2									1	1		
76/ 75								.2	.2									2	2		
74/ 73					.3	.6	.2											7	7		
72/ 71				.2	.2													4	4		
70/ 69				1.4	1.7	.8												25	25		
68/ 67			.2	2.6	1.2		.2											27	27	1	
66/ 65		.3	3.2	5.2	1.8	.2												70	70	3	
64/ 63		1.2	5.8	5.2	.6	.3												86	86	28	1
62/ 61		2.7	7.7	7.1	1.1													116	116	76	13
60/ 59		4.8	9.5	5.8	.2	.2												133	133	112	41
58/ 57		3.5	7.4	5.2	.6	.2												110	110	119	106
56/ 55		2.6	3.4	1.5														49	49	136	112
54/ 53		.6	1.5	.2														15	15	99	108
52/ 51		.2	.6															5	5	55	115
50/ 49		.2																1	1	16	67
48/ 47																				6	61
46/ 45																					17
44/ 43																					5
42/ 41																					3
40/ 39																					2
TOTAL		15.4	39.3	34.4	8.0	2.2	.3	.2	.3									651	651		651
																		651		651	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3781746	49292	75.7	8.725	651							
Dry Bulb	2451251	39852	61.2	4.233	651			9.4	1.4			93
Wet Bulb	2178945	36982	56.8	3.523	651			.1				93
Dew Point	1863845	34735	53.4	4.121	651							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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
72/ 69				.3	.7	.2												5	5		
68/ 67			.2	.5	.3													6	6		
66/ 65			1.1	.5	.5													13	13		
64/ 63		1.8	8.3	1.5	.5	.2												80	80	7	
62/ 61		5.5	8.4	3.4	.8													118	118	28	8
60/ 59		6.9	10.4	3.7														137	137	118	27
58/ 57	.2	6.3	10.1	2.9	.5													130	130	107	106
56/ 55		5.4	7.1	.2	.2													83	83	152	108
54/ 53		1.4	3.7	.5														36	36	121	91
52/ 51		2.2	2.5															27	27	58	132
50/ 49		1.4	.5															12	12	39	91
48/ 47		.5																3	3	18	52
46/ 45		.2																1	1	2	23
44/ 43																				1	8
42/ 41																					5
TOTAL	.2	31.5	51.8	13.4	2.9	.3													651		651
																		651		651	

Element (X)	ΣX^1	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4282932	52588	80.8	7.123	651							
Dry Bulb	2259746	38776	58.8	3.779	651			1.6				93
Wet Bulb	2013939	36137	55.5	3.496	651							93
Dew Point	1629739	34421	52.9	3.875	651							93

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

USAFETAC 4781

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 75						.5												3	3		
74/ 73							.3											2	2		
72/ 71					.2	.3	.2											4	4		
7 / 69						.5	.8											8	8		
68/ 67					.6	.9	.2											11	11		
66/ 65			.2	.8	2.5	.8												27	27	4	
64/ 63		1.5	6.9	3.5	.8													83	83	3	
62/ 61		4.5	8.8	4.5	.9													121	121	39	4
60/ 59		6.9	12.9	5.1	.8	.2												167	167	118	24
58/ 57		4.8	9.5	2.3	.5													111	111	140	106
56/ 55		3.8	4.8	.8														61	61	146	117
54/ 53		1.4	2.2	.2														24	24	108	113
52/ 51		1.2	1.2															16	16	57	139
50/ 49		.9	.5															9	9	19	69
48/ 47		.6																4	4	15	48
46/ 45																				2	23
44/ 43																					7
42/ 41																					1
TOTAL		25.9	47.5	19.5	5.2	1.5	.5											651	651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4295192	51342	78.9	8.416	651							
Dry Bulb	2333473	38887	59.7	4.036	651			4.0	.7			93
Wet Bulb	2 49324	3646	56.1	3.360	651							93
Dew Point	1342585	34851	53.1	3.687	651							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2#229 — STATION
PORTLAND IAP OR — STATION NAME
73-79 — YEARS
AUG — MONTH

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
9 / 89												.3	.2					3	3		
88/ 87											.3							2	2		
86/ 85										.3	.3							4	4		
84/ 83										.3								3	3		
82/ 81								.2	.3	.3								6	6		
8 / 79								.3	.3									4	4		
78/ 77							.8	1.2										13	13		
76/ 75						.6	.9	.3										12	12		
74/ 73					.3	2.5	1.8	.2										31	31		
72/ 71					2.5	2.3	1.8	.2										44	44		
7 / 69				.9	5.4	2.3	.8											61	61	2	
68/ 67			.2	3.4	5.2	1.5	.6	.3										73	73	10	
66/ 65			1.5	5.8	5.7	1.7	1.1											103	103	28	
64/ 63		.6	3.1	5.8	5.7	1.8	.3											113	113	59	
62/ 61		1.4	4.3	5.2	3.1	1.2												99	99	126	2
6 / 59		1.1	4.1	2.2	1.1													55	55	134	48
58/ 57		1.2	1.1	.8	.2													21	21	121	105
56/ 55		.3	.3															4	4	115	132
54/ 53																				53	131
52/ 51																				13	102
5 / 49																					56
48/ 47																					35
46/ 45																					21
44/ 43																					14
42/ 4_																					5
TOTAL		4.6	14.6	24.1	29.0	14.0	8.1	2.8	.5	1.2	.6	.7	.2					651	651		651
																		651		651	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2829527	42239	64.9	11.696	651							
Dry Bulb	2867804	43959	66.1	5.677	651			36.6	11.1	3.0		93
Wet Bulb	2267165	38351	58.9	3.480	651			1.7				93
Dew Point	1874333	34839	53.5	3.900	651							93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
4782

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AUG MONTH

 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
103/ 103																.2	.2	2	2		
101/ 99															.5	.2		4	4		
98/ 97														.5	.3	.2		6	6		
96/ 95													.2	.2				2	2		
94/ 93													.5	.3				5	5		
92/ 91												.2	.2	.2				3	3		
91/ 89											.3	.9						8	8		
88/ 87										.2	1.2	.2						10	10		
86/ 85									.3	1.2	.6	.2						15	15		
84/ 83								.3	1.5	1.4	.5	.2						25	25		
82/ 81								.8	2.5	.6	.2							26	26		
80/ 79						.2	.9	2.2	2.0	.6	.3							40	40		
78/ 77						.3	1.8	3.1	.9			.2						41	41		
76/ 75					.2	1.5	4.3	3.5	1.1	.2	.2							71	71		
74/ 73					.5	2.5	3.1	2.0	.2	.6								57	57	2	
72/ 71					1.8	2.6	3.2	1.8	.6	.2								64	64	7	
70/ 69				.6	3.2	3.1	1.7	1.5	.5	.2								70	70	38	
68/ 67			.3	.9	3.0	3.1	2.2	.5	.2									68	68	49	
66/ 65			1.2	1.8	4.1	2.3	.8	.2										67	67	75	
64/ 63		.6	1.8	1.2	1.4	.5	.2											37	37	110	2
62/ 61		.5	1.1	.6	.3													16	16	108	15
60/ 59		.9	1.1															13	13	107	53
58/ 57			.2															1	1	103	114
56/ 55																				46	142
54/ 53																				14	86
52/ 51																					100
50/ 49																					51
48/ 47																					37
46/ 45																					27
44/ 43																					5
42/ 41																					9
40/ 39																					8
38/ 37																					1
36/ 35																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) AUG (MONTH)

PAGE 2 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
TOTAL		2.0	5.7	5.2	14.3	16.0	18.1	15.8	9.7	5.1	3.2	1.7	.8	1.1	.8	.5	.2	651	651	651	651

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1885071	33857	52.0	13.826	651							
Dry Bulb	3533766	47682	73.2	7.974	651			73.9	45.0	17.6	2.7	93
Wet Bulb	2487617	40155	61.7	4.072	651			12.6	.3			93
Dew Point	1881425	34969	53.6	4.602	651							93

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

1-83

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]																	.3	2	2		
[illegible]																.6	.3	6	6		
100/ 99															.6	.2	.6	9	9		
98/ 97														.5	.2	.2		5	5		
96/ 95															.3			2	2		
94/ 93													.2	.3	.2			4	4		
92/ 91											.2	2.0	.8		.2			20	20		
9[illegible]/ 89											.8	1.1	.3	.2				15	15		
88/ 87										.9	.9	.9	.3	.2				21	21		
86/ 85									.5	1.4	1.8	.3						26	26		
84/ 83								.5	1.8	3.8	2.8	.5						61	61		
82/ 81							.2	1.1	2.5	1.5	.5	.3						39	39		
8[illegible]/ 79								2.5	2.0	.6	.5	.3						38	38		
78/ 77							1.2	5.2	1.5	.6								56	56		
76/ 75						1.4	1.2	1.8	2.3	.5	.8							52	52		
74/ 73					.2	1.1	1.4	3.4	1.4	.3								50	50	2	
72/ 71					1.5	.9	2.3	2.0	.3	.3								48	48	15	
7[illegible]/ 69					2.9	1.4	2.2	1.1	.3									51	51	47	
68/ 67			.5	.8	1.2	2.9	1.4	.2										45	45	55	
66/ 65		.2	1.5	2.[illegible]	1.2	.2	.6											37	37	115	
64/ 63			1.7	1.2	.5													22	22	94	4
62/ 61		.6	2.5	.3	.3													27	27	91	11
[illegible]/ 59		.9	.9															12	12	110	53
58/ 57		.2	.3															3	3	98	108
56/ 55																				31	128
54/ 53																				3	90
52/ 51																					86
5[illegible]/ 49																					64
48/ 47																					50
46/ 45																					26
44/ 43																					10
42/ 41																					13
[illegible]/ 39																					5
38/ 37																					2

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AUG 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	Dew Point
76/ 35 TOTAL		1.8	7.4	4.8	7.8	7.8	10.4	17.7	12.6	10.0	8.1	5.4	1.5	1.1	1.4	.9	1.2		651		651
																		651		651	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1643096	38920	47.5	16.244	651							
Dry Bulb	3839279	49627	76.2	9.292	651			78.6	58.0	32.7	4.0	93
Wet Bulb	2563487	40761	62.6	4.174	651			17.0	.3			93
Dew Point	1859441	34655	53.2	4.745	651							93

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

4784

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AUG 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
98/ 97														.3	.2	.2		4	4		
96/ 95															.2			1	1		
94/ 93													.2	.2	.2			3	3		
92/ 91													.2	.3				3	3		
9?/ 89											.6	.5	.3					9	9		
88/ 87										.3	.8			.2				8	8		
86/ 85									.5	1.2	.2	.5						15	15		
84/ 83									1.4	1.2	.3							19	19		
82/ 81							.2	1.2	2.2	1.1	.2							31	31		
8 / 79							.5	2.8	1.1	.8								33	33		
78/ 77						.2	2.2	3.4	.9									43	43		
76/ 75						1.8	2.8	1.1	.9									43	43		
74/ 73				.2	.3	2.8	4.5	1.2	.3	.2								61	61		
72/ 7?				.3	2.6	1.8	2.9	.8	.2									56	56	3	
7 / 69			.2	.8	4.?	3.7	1.2	.8	.5									72	72	24	
68/ 67			.2	1.8	2.8	2.6	1.2	.3										58	58	45	
66/ 65		.2	1.1	1.8	4.?	2.3	.8	.3										69	69	84	
64/ 63		.5	1.8	1.4	1.2	.9	.3											40	40	110	2
62/ 61		.9	2.8	1.4	.8	.5												41	41	101	14
6 / 59		2.8	1.8	.9	.2													37	37	104	84
58/ 57		.5	.3															5	5	93	110
56/ 55																				64	143
54/ 53																				19	84
52/ 5?																				4	88
5 / 49																					52
48/ 47																					43
46/ 45																					12
44/ 43																					4
42/ 41																					10
4 / 39																					5
TOTAL		4.8	8.1	9.6	16.0	16.6	16.4	11.8	7.8	4.8	2.0	.9	.6	.9	.5	.2		651	651	651	651

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2195227	36525	56.1	14.985	651							
Dry Bulb	3378185	46609	71.6	7.958	651			65.6	39.?	15.1	1.1	93
Wet Bulb	2457967	39914	61.3	4.069	651			10.3				93
Dew Point	1917792	35220	54.1	4.357	651							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85											.2							1	1		
84/ 83										.2	.2							2	2		
82/ 81									.5	.5								6	6		
8 / 79							.2											1	1		
78/ 77							.8	.3										7	7		
76/ 75				.2		1.1	1.2	.6										20	20		
74/ 73					.5	2.8	.8	.3										28	28		
72/ 71				.3	3.1	1.8	.6											38	38		
7 / 69			.2	.9	4.8	1.8	.2											51	51	1	
68/ 67			.3	5.7	4.1	1.2	.2											75	75	3	
66/ 65		.3	2.2	6.8	3.4	1.1												89	89	33	1
64/ 63		.8	2.8	6.3	2.9	.5	.5											87	87	74	2
62/ 61		1.4	2.6	6.6	2.5	.2	.2											88	88	111	9
6 / 59		3.1	5.1	5.1	1.5	.2												97	97	111	67
58/ 57		2.6	1.8	2.3	.5	.2												46	46	121	120
56/ 55		.3	.9	.9	.2													15	15	108	123
54/ 53																				58	103
52/ 51																				25	95
5 / 49																				6	65
48/ 47																					37
46/ 45																					16
44/ 43																					5
42/ 41																					7
4 / 39																					1
TOTAL		8.4	15.8	34.4	23.5	10.8	4.5	1.2	.5	.6	.3							651	651	651	651

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	311874	44894	68.9	10.933	651							
Dry Bulb	2768384	42394	65.1	5.455	651			32.7	9.3	1.3		93
Wet Bulb	2251719	38209	58.7	3.747	651			.6				93
Dew Point	1907187	35135	54.0	4.099	651							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

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | AUG MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																.0	.1	4	4		
[illegible]																.1	.0	6	6		
[illegible]															.1	.0	.1	13	13		
98/ 97														.2	.1	.1		15	15		
96/ 95													.0	.0	.1			5	5		
94/ 93													.1	.1	.0			12	12		
92/ 91											.0	.3	.1	.1	.0			26	26		
9 / 89											.2	.3	.1	.0				35	35		
88/ 87										.2	.4	.1	.0	.0				41	41		
86/ 85									.2	.3	.4	.1						61	61		
84/ 83								.1	.6	.9	.5	.1						110	110		
82/ 81							.0	.4	1.0	.5	.1	.0						108	108		
8 / 79						.1	.2	1.0	.7	.2	.1	.1						116	116		
78/ 77						.1	.8	1.7	.4	.1		.0						161	161		
76/ 75				.0	.1	.9	1.3	.9	.6	.1	.1							203	203		
74/ 73				.0	.2	1.5	1.5	.9	.2	.1								236	236	4	
72/ 71				.1	1.5	1.2	1.4	.6	.1	.1								258	258	25	
7 / 69			.0	.4	2.0	1.7	.7	.4	.2	.0								343	343	104	
68/ 67			.2	2.0	2.4	1.4	.7	.2	.1									363	363	163	
66/ 65		.1	1.6	3.3	2.7	1.0	.4	.1										475	475	342	1
64/ 63		.9	4.1	3.2	1.7	.5	.2											548	548	485	11
62/ 61		2.1	4.8	3.7	1.2	.2	.0											626	626	670	76
6 / 59		3.4	5.7	2.8	.4	.1												651	651	914	397
56/ 57	.	2.8	3.8	1.7	.3	.0												427	427	892	875
56/ 55		1.6	2.1	.4	.1													212	212	798	1005
54/ 53		.4	.9	.1														75	75	475	806
52/ 51		.4	.5															46	28	212	857
5 / 49		.3	.1															22	2	80	515
48/ 47		.1																7	7	39	363
46/ 45		.0																1	1	4	165
44/ 43																				1	58
42/ 41																					53
4 / 39																					21
38/ 37																					3

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
24229	PORTLAND IAP OR	73-79	AUG

PAGE 2 — HOURS (L. S. T.): ALL

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
38/ 35 TOTAL	.0	11.8	23.8	18.0	13.3	8.6	7.3	6.2	3.9	2.7	1.8	1.0	.4	.4	.3	.2	.2		52.8		52.8
																		5208		5208	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	23628531	341257	65.5	16.788	5208							
Dry Bulb	23431887	346287	66.5	8.839	5208			302.3	164.6	69.7	7.9	744
Wet Bulb	18200121	306969	58.9	4.529	5208			42.3	.6			744
Dew Point	14976347	278425	53.5	4.191	5208							744

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

4436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71									.1									2	2		
7 / 69					.3				.2									3	3		
68/ 67			.5	.2	.6			.2										9	9		
66/ 65		.3	.6	1.9	.0		.2	.2	.2									26	26		
64/ 63		.5	3.8	4.1	.8	.2		.2										60	60	5	
62/ 6_		2.4	5.7	2.4	.6			.2										71	71	15	6
6 / 59		7.1	9.5	2.7	.5													125	125	74	13
58/ 57	.3	7.8	5.6	2.1	.2	.2												101	101	133	61
56/ 55	.2	7.6	5.2	2.3	.2	.3												98	98	121	126
54/ 53	.2	4.8	4.4	.8														64	64	95	109
52/ 51		4.8	1.3	.2														39	39	92	83
5_/ 49	.2	2.4	.5															19	19	54	98
48/ 47	.3	1.6																12	12	34	73
46/ 45		.2																1	1	7	35
44/ 43																					11
42/ 4_																					6
4_/ 39																					2
38/ 37																					1
36/ 35																					4
34/ 33																					1
32/ 31																					1
TOTAL	1.1	39.4	37.1	16.3	4.0	.6	.2	.6	.6										630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4182969	53897	8_.8	10.629	630							
Dry Bulb	2130090	36528	58.0	4.397	630			2.0				90
Wet Bulb	189_394	3443_	54.7	3.733	63_							9_
Dew Point	1719533	32731	51.9	4.394	630		.1					9_

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 69			.5					.2	.3									6	6		
66 / 65				.8	.2			.3										8	8	3	
64 / 63		1.2	2.4	1.2	.8		.2											33	33		
62 / 61		2.1	3.7	.5														39	39	6	6
6 / 59	.3	7.6	5.1	.5														85	85	40	9
58 / 57	.6	8.7	6.8	1.1		.5												112	112	97	45
56 / 55	.5	11.3	6.7	1.3														120	120	106	96
54 / 53	.2	8.7	3.2															76	76	111	103
52 / 51	.3	6.7	2.4	.3														61	61	109	104
5 / 49	.2	6.8	.3															46	46	65	108
48 / 47	.5	4.1	.2															30	30	56	73
46 / 45	.8	1.1																12	12	33	55
44 / 43		.3																2	2	3	16
42 / 4[illegible]																				1	7
4 / 39																					4
38 / 37																					4
TOTAL	3.3	58.4	30.5	5.4	1.0	.5	.2	.5	.3									630	630	630	630

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4614457	53621	85.1	8.972	630							
Dry Bulb	1970366	35112	55.7	4.625	630			.9				90
Wet Bulb	1794527	33529	53.2	4.006	630							90
Dew Point	1665335	32281	51.2	4.232	630							90

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

4-87

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] 71							.2											1	1		
[illegible] 69				.2		.3												3	3		
68/ 67			.3															2	2		
66/ 65		.2	.3	1.4	.6	.2												17	17	2	
64/ 63		1.1	1.0	3.7	.3	.2	.3											41	41	2	1
[illegible] 61		1.1	4.9	1.3	.2	.2	.2											49	49	11	6
[illegible] 59		7.6	5.1	1.9	.5													95	95	45	7
[illegible] 57	.8	9.7	6.7	1.1														115	115	112	44
56/ 55	.6	8.3	6.[illegible]	1.0														100	100	105	103
[illegible] 53	.8	8.4	3.[illegible]	.2														78	78	117	115
52/ 51	.3	7.5	1.9															61	61	105	101
5 / 49	.2	4.[illegible]	.5															29	29	65	112
48/ 47	[illegible]	3.2	.2															27	27	38	74
46/ 45	.6	1.3																12	12	25	45
[illegible] 43																				3	16
[illegible] 41																					2
[illegible] 39																					2
38/ 37																					2
TOTAL	[illegible].3	52.2	29.8	10.6	1.6	.8	.6											630	630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4615111	53[illegible]25	84.2	9.[illegible]8	63[illegible]							
Dry Bulb	2[illegible]16216	35518	56.4	4.682	63[illegible]			.9				90
Wet Bulb	1826166	3383[illegible]	53.7	3.896	63[illegible]							90
Dew Point	1684966	32486	51.6	3.952	63[illegible]							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | SEP MONTH

 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
86/ 85												.2	.2					2	2		
84/ 83										.2	.2	.3						4	4		
82/ 81									.3			.2	.2					3	3		
8 / 79								.2	.2	.6	.5	.2						10	10		
79/ 77								.6	.6	.3	.2	.3						13	13		
76/ 75						.2	.5	.6	.3	.2	.2							12	12		
74/ 73					.2	1.0	.8	.5	1.1	.5								25	25		
72/ 7					.5	1.6	1.1	.6	.2	.3								27	27		
7 / 69				.5	2.7	2.4	1.0	.3	.2									44	44		
68/ 67			1.1	1.3	3.7	1.7	.8	.3	.3									58	58		
66/ 65		.3	1.1	4.9	3.3	1.9	.2		.2									75	75	13	
64/ 63		.2	2.5	4.3	3.3	1.7		.2										77	77	37	5
62/ 6		1.0	4.6	5.1	4.1	.2												93	93	74	6
6 / 59		3.5	4.5	4.1	1.1													82	82	123	14
58/ 57		2.1	4.8	1.9														55	55	121	62
56/ 55		1.6	2.7	.8														32	32	132	127
54/ 53		1.3	.6	.2														13	13	86	86
52/ 5		.2	.2															2	2	30	114
5 / 49	.2	.2																2	2	13	92
46/ 47																					50
46/ 45																					32
44/ 43																					14
42/ 4																					3
4 / 39																					8
38/ 37																					4
36/ 35																					3
34/ 33																					1
TOTAL	.3	19.2	22.1	23.1	18.6	10.7	4.3	3.3	3.2	2.1	1.0	1.1	.3						629		629
																		629		629	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2935156	41826	66.5	15.654	629							
Dry Bulb	2625300	40442	64.3	6.278	629			28.3	9.9	2.6		9
Wet Bulb	2081689	36121	57.4	3.433	629							9
Dew Point	1713669	32707	52.0	4.541	629							9

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

4788

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

28229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | SEP MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 97																	.2	1	1		
96/ 95																	.3	2	2		
94/ 93															.2			1	1		
92/ 91												.3		.3	.5	.5		10	10		
9 / 89											.2	.5	.5	.3	.6			13	13		
88/ 87											.2	.2	1.0	.3				19	19		
86/ 85									.2	.5	.8	.6	1.1	.5				23	23		
84/ 83									.8	.3	1.0	.3	.5	.6				22	22		
82/ 81								.5	1.0	.6	.6	1.3	.5					28	28		
8 / 79								1.3	.5	.8	.6	.5	.2					24	24		
78/ 77							.3	1.1	1.0	.2	.8	.3						23	23		
76/ 75						1.3	1.9	1.6	.5	.8	1.0							43	43		
74/ 73				.2	.2	2.5	3.2	1.4	.5	.6								54	54		
72/ 71				.3	1.4	2.5	3.8	1.0	.6									56	56		
7 / 69			.3	.2	2.7	3.2	2.4	1.0	.2									62	62	6	
68/ 67			.3	1.3	2.9	2.5	2.5	.3										62	62	22	
66/ 65		.3	.8	2.2	4.1	2.5	.2											64	64	46	
64/ 63		.5	1.4	2.2	3.2	1.9	.2											59	59	93	3
62/ 6		.5	1.3	2.5	1.3	.3												37	37	113	10
6 / 59			1.3	1.1	.2													16	16	119	23
58/ 57		1.1	.3	.5														12	12	112	71
56/ 55		.8																5	5	86	96
54/ 53		.2	.2															2	2	29	91
52/ 5																				5	83
5 / 49																					74
46/ 47																					68
44/ 45																					39
42/ 43																					12
40/ 41																					18
4 / 39																					22
36/ 37																					11
34/ 35																					8
TOTAL		3.3	5.9	10.5	15.9	16.7	13.7	8.1	5.1	3.8	5.1	4.0	3.7	2.1	1.3	.5	.5	629	629	629	629

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	1895468	32728	52.0	17.511	629
Dry Bulb	3272356	45160	71.8	8.405	629
Wet Bulb	227513	37760	60.0	3.653	629
Dew Point	1672151	32237	51.3	5.624	629

Mean No. of Hours with Temperature						
	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							
Dry Bulb			62.1	36.3	17.3	.6	99
Wet Bulb			4.7				99
Dew Point							99

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229	PORTLAND IAP OR	73-79	SEP
STATION	STATION NAME	YEARS	MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95																	.3	2	2		
94/ 93													.2	.2		.5	.3	7	7		
92/ 9												.2	.3	.3	1.1	.6		16	16		
9 / 89												.2	.5	.3	.6			10	10		
88/ 87										.3	.8	.3	.8	1.1				21	21		
86/ 85									.3	1.0	1.1	.6	1.1	.8				31	31		
84/ 83									.3	.8	1.3	1.1	.6	.8				31	31		
82/ 8.								.3	1.1	.8	1.4	.6	.8					32	32		
80/ 79							.2	1.6	.6	1.0	.3	.6						27	27		
78/ 77						.2	1.4	1.0	.3	.2	.5	1.4	.2					32	32		
76/ 75						.6	2.4	2.4	1.7	.3	.8							52	52		
74/ 73					.8	2.5	2.9	2.2	1.0		.2							58	58		
72/ 71			.3	.3	1.1	2.1	3.7	1.4	.5									59	59		
7 / 69			.2		1.4	2.4	2.1	1.1	.2									46	46	9	
68/ 67			.2	.6	1.3	2.2	1.7	.6										42	42	30	
66/ 65		.3	1.1	1.7	2.5	2.2	1.1											56	56	57	
64/ 63		.3	1.4	1.9	1.6	1.7												44	44	105	5
62/ 6		.2	1.1	1.6	.5	.2												21	21	103	14
6 / 59		.6	1.7	.8	.8													25	25	117	21
58/ 57		1.3	.6															12	12	93	68
56/ 55		.5	.5															6	6	79	88
54/ 53																				34	79
52/ 51																				3	88
5 / 49																					61
48/ 47																					63
46/ 45																					34
44/ 43																					37
42/ 41																					22
4 / 39																					23
38/ 37																					11
36/ 35																					13
34/ 33																					3
TOTAL		3.2	6.9	7.0	9.7	14.1	15.4	10.6	6.0	4.3	6.3	5.1	4.4	3.5	1.7	1.1	.6	630	630	630	630

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1706088	30722	48.8	18.269	630							
Dry Bulb	3438773	46205	73.3	8.919	630			66.6	45.6	22.3	1.3	90
Wet Bulb	2311846	38886	61.5	3.865	630			5.6				90
Dew Point	1644376	31952	50.7	6.158	630							90

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

4780

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | SEP MONTH

 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
9[illegible]/ 9[illegible]															.2			1	1		
88/ 87											.2			.2				2	2		
86/ 85													.3	.5				5	5		
84/ 83										.3	.2	.2	.5					7	7		
8[illegible]/ 8[illegible]								.3	.5	.2	.3	.8						13	13		
8 / 79							.3	.6	.3	.8	.5	.3	.2					19	19		
78/ 77							1.1	1.0	.5	.6	1.0	.3	.2					29	29		
[illegible]/ 75						.5	1.3	.8	.6	.6	.3	.3						28	28		
74/ 73					.8	1.4	1.7	1.4	1.1	.5	.3							46	46		
72/ 7[illegible]				.2	2.4	1.7	1.6	.8	.2	1.0								49	49		
7 / 69			.2	.8	2.7	2.2	2.2	.6	.5	.3								60	60		
68/ 67			1.2	2.7	3.2	2.2	1.1	.2	.2	.2								67	67	[illegible]	
66/ 65		.2	.5	3.5	2.7	2.4	.5		.2									62	62	27	
64/ 6[illegible]		1.1	3.2	3.7	2.2	1.9												76	76	73	1
62/ 61		.8	1.7	2.1	2.5	.6	.2											50	50	91	11
60/ 59		1.7	1.6	2.2	1.9													47	47	123	35
58/ 57		2.4	2.1	1.1	.3													37	37	110	91
56/ 55		1.9	1.3	.3														22	22	79	92
54/ 53		1.1	.3															8	8	89	78
52/ 51			.2															1	1	24	84
5 / 49		.2																1	1	5	69
48/ 47																				1	61
46/ 45																					37
44/ 43																					18
42/ 41																					11
4 / 39																					15
38/ 37																					15
36/ 35																					4
34/ 33																					5
32/ 31																					2
3 / 29																					1
TOTAL		9.2	11.9	16.5	18.7	13.0	10.0	5.7	4.0	4.4	2.7	1.9	1.1	.6	.2				630		630
																		630		630	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2470393	37807	60.0	17.901	630							
Dry Bulb	2688591	42419	67.3	7.182	630			46.6	21.4	5.1		90
Wet Bulb	2164456	36848	58.5	3.836	630			1.1				90
Dew Point	1695641	32468	51.5	5.961	630		.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | SEP 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
[illegible] 79											.2							1	1		
78/ 77												.2						1	1		
76/ 75							.2	.2		.2	.2							4	4		
74/ 73						.6	.2	.2	.2									7	7		
72/ 71					.3	.6	.3	.3										10	10		
[illegible]/ 69				.6	1.1	1.1	.5	.2	.3									24	24		
68/ 67			.6	2.2	1.6	1.6	.6		.8									47	47		
66/ 65		.2	1.4	6.2	1.3	1.3	.2	.3	.3									68	68		
64/ 63		1.6	4.1	3.5	2.5	1.7	.2	.5	.2									85	85	16	
62/ 61		3.5	4.9	5.7	3.2													108	108	61	6
[illegible]/ 59		4.4	5.7	3.5	1.1													93	93	117	31
58/ 57		2.9	3.8	4.3	.5													72	72	119	87
56/ 55		4.8	4.1	1.3	.5													67	67	109	115
54/ 53		2.4	1.9	.2														28	28	97	92
52/ 51		1.6	.5															13	13	81	82
50/ 49		.3																2	2	25	86
48/ 47																				4	75
46/ 45																					24
44/ 43																					9
42/ 41																					4
40/ 39																					5
38/ 37																					8
36/ 35																					3
34/ 33																					2
32/ 31																					1
TOTAL		21.6	27.1	27.5	11.9	5.9	2.1	1.6	1.7	.2	.3	.2							630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	348 978	46[illegible]44	73.1	13.570	630							
Dry Bulb	239[illegible]17.2	38694	61.4	4.908	630			13.4	1.9			90
Wet Bulb	2 JO6571	35483	56.3	3.586	630							90
Dew Point	1732478	32896	52.2	4.848	630		.1					90

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

4790

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | SEP MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
98/ 97																	.0	1	1		
96/ 95																	.1	4	4		
94/ 93													.0	.0	.0	.1	.0	8	8		
92/ 91												.1	.0	.1	.2	.1		27	27		
9 / 89											.0	.1	.1	.1	.2			23	23		
88/ 87										.0	.1	.1	.2	.2				33	33		
86/ 85									.1	.2	.2	.2	.3	.2				61	61		
84/ 83									.1	.2	.3	.2	.2	.2				64	64		
82/ 81								.1	.3	.2	.3	.4	.2					75	76		
8 / 79							.1	.5	.2	.4	.3	.2	.0					81	81		
78/ 77						.0	.4	.5	.3	.2	.3	.3	.0					98	98		
76/ 75						.3	.8	.7	.4	.3	.3	.3						139	139		
74/ 73				.1	.2	1.0	1.1	.7	.5	.2	.1							196	196		
72/ 71			.0	.1	.7	1.1	1.2	.5	.2	.2								204	204		
7 / 69			.1	.3	1.4	1.4	1.0	.4	.2	.0								248	248	15	
68/ 67			.5	1.0	1.6	1.3	.9	.2	.2	.0								287	287	60	
66/ 65		.2	.9	2.8	1.9	1.3	.3	.1	.1									376	376	149	
64/ 63		.8	2.5	3.0	1.8	1.1	.1	.1	.1									475	475	329	15
62/ 61		1.4	3.5	2.6	1.5	.2	.1	.1										468	468	474	65
60/ 59	.1	4.1	4.3	2.1	.7													568	568	758	153
58/ 57	.2	4.5	3.9	1.5	.1	.1												516	516	897	529
56/ 55	.2	4.6	3.2	.8	.1	.0												450	450	817	843
54/ 53	.1	3.3	1.7	.2														269	269	658	753
52/ 51	.1	2.6	.7	.1														177	177	449	739
5 / 49	.1	1.7	.2															99	99	227	700
48/ 47	.2	1.1	.1															69	69	133	545
46/ 45	.2	.3																25	25	65	301
44/ 43		.1																2	2	6	133
42/ 41																				1	73
40/ 39																					81
38/ 37																					56
36/ 35																					35
34/ 33																					12
32/ 31																					4

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | SEP MONTH

ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
7 / 39 TOTAL	1.1	24.7	21.4	14.6	10.2	7.8	5.8	3.8	2.6	1.8	1.9	1.5	1.2	.8	.4	.2	.1		5038		1 5038
																		5038		5038	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	258[illegible]262[illegible]	346671[illegible]	66.8	19.665	5038							
Dry Bulb	20733094	319978	63.5	9.026	5038			220.7	115.[illegible]	47.3	1.9	720
Wet Bulb	16350829	286[illegible]87	56.8	4.569	5038			10.7				720
Dew Point	13518040	259728	51.6	5.[illegible]143	5038		.7					720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229	PORTLAND IAP OR	73-79	OCT
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 69									.5									3	3		
64/ 63			.2						.2									2	2		
62/ 61		.3	.8	.2	.2													9	9		
6 / 59		.6	2.6	1.1	.2	.2												30	30	4	
58/ 57		3.7	1.7	.9														41	41	16	6
56/ 55		4.8	3.8	1.4	.2	.3	.3	.2										71	71	48	26
54/ 53	.2	6.9	3.7	.5														73	73	58	45
52/ 51	.2	7.5	3.7	.6		.2	.2											80	80	88	56
5 / 49	.5	10.6	1.4	.2														82	82	79	79
48/ 47	1.1	11.7	1.8	.2														96	96	116	108
46/ 45	1.2	7.8	.8															64	64	90	103
44/ 43	.3	6.5	.5															47	47	72	72
42/ 41	2.2	2.2	.2															28	28	47	79
4 / 39	.6	1.2																12	12	14	34
38/ 37	1.4	.2																10	10	16	22
36/ 35	.3																	2	2	2	13
34/ 33																					1
32/ 31																					2
3 / 29																					1
28/ 27																					2
26/ 25																					1
TOTAL	7.8	63.8	21.1	4.9	.5	.6	.5	.2	.6										650		650
																		650		650	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	> 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	494.167	56271	86.6	10.289	650							
Dry Bulb	166.958	32658	50.2	5.568	650			.4				93
Wet Bulb	152.069	31280	48.1	4.771	650							93
Dew Point	141.5312	30042	46.2	5.090	650		.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229	PORTLAND IAP OR	73-79	OCT
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67								.3										2	2		
62/ 61			.8			.2												6	6		
6 / 59		.3	1.2	.2														11	11	3	
58/ 57		3.4	1.2	.9	.2													37	37	14	1
56/ 55		6.2	2.2	.3		.2	.2											58	58	33	25
54/ 53		6.3	1.8			.2												54	54	51	36
52/ 51	.3	9.8	2.9	.2	.2													87	87	76	58
5 / 49	1.1	8.8	.8															69	69	83	76
48/ 47	2.8	10.8	.6															92	92	96	103
46/ 45	2.8	11.9	.5															92	92	95	101
44/ 43	2.2	7.4	.6															66	66	94	81
42/ 41	2.3	3.2	.3															38	38	55	86
4 / 39	1.4	1.4																18	18	26	35
38/ 37	.9	.8																11	11	12	24
36/ 35	.9	.5																9	9	10	13
34/ 33																				2	6
32/ 3																					4
3 / 29																					1
TOTAL	14.6	69.7	12.9	1.5	.3	.5	.2	.3										650	650		650

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5274485	58293	89.7	8.481	650							
Dry Bulb	1569746	31740	48.8	5.531	650			.3				93
Wet Bulb	1467025	30715	47.3	4.906	650							93
Dew Point	1383546	29812	45.9	5.001	650		.7					93

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

4-92

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

29229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
66/ 57								.2										1	1		
64/ 63					.2		.2											2	2		
62/ 61			.3	.3			.2											6	6		
61/ 59		.5	1.2															11	11	1	
58/ 57		3.2	2.2	.2			.2											37	37	13	5
56/ 55		5.5	1.8				.2											49	49	36	17
54/ 53	.8	7.7	1.6	.3														69	69	53	45
52/ 51	.3	8.6	2.5			.2												75	75	73	56
50/ 49	.9	9.5	1.4															74	74	89	81
48/ 47	3.	12.6	1.1															102	102	91	97
46/ 45	3.1	8.6	.3	.2														79	79	106	110
44/ 43	3.2	6.6	.3															66	66	81	78
42/ 41	2.5	4.2	.2															44	44	59	78
4 / 39	1.7	.3	.2															14	14	24	44
37/ 37	1.7	.2																12	12	13	19
36/ 35	.8	.2																6	6	7	9
34/ 33	.3	.2																3	3	4	4
32/ 33																					3
2 / 29																					3
28/ 27																					1
TOTAL	16.9	67.8	13.4	.9	.2	.2	.6	.2										650	650	650	650

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	531444	58522	9 .1	8.371	650							
Dry Bulb	257,249	31747	48.8	5.516	650			.1				93
Wet Bulb	147,327	3 751	47.3	4.89	65							93
Dew Point	139,756	2989	46.	5.008	65		1.0					93

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229	PORTLAND IAP OR	73-79	OCT
STATION	STATION NAME	YEARS	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
80/ 79												.2						1	1		
78/ 77												.2						1	1		
76/ 75										.2	.2							2	2		
74/ 73									.3	.3								4	4		
72/ 71								.3	.2	.2								4	4		
70/ 69					.3	.2		.2	.2	.2								5	5		
68/ 67					.3	.6	.2	.2			.2							9	9		
66/ 65			.2	.9	.8	.5			.3									16	16		
64/ 63			.3	1.8	1.2	.2	.3	.2	.2	.2								28	28		
62/ 61		.2	1.8	1.8	2.6	.2		.3	.2									46	46	3	
60/ 59		1.7	2.5	2.6	1.2	.5	.3	.2										58	58	19	
58/ 57	.2	2.2	4.9	4.3	.8	.8												85	85	58	9
56/ 55	.3	3.1	5.4	4.1	.8	.2												89	89	74	33
54/ 53	.2	3.4	5.8	.6	.2													66	66	86	58
52/ 51	.2	4.1	5.7	1.2	.3													74	74	103	63
50/ 49	.2	6.9	3.4			.2												69	69	119	87
48/ 47	.8	5.2	1.2	.2														48	48	108	118
46/ 45	.3	3.9	.8															29	29	55	117
44/ 43	.8	1.2																13	13	32	78
42/ 41	.5	.2																4	4	9	43
40/ 39																				1	23
38/ 37																					9
36/ 35																					4
34/ 33																					3
32/ 31																					2
30/ 29																					3
28/ 27																					2
26/ 25																					1
24/ 23																					1
TOTAL	3.2	31.3	32.0	17.8	8.3	3.1	.8	1.2	1.1	.9	.3	.3							651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3937442	49700	76.3	14.840	651							
Dry Bulb	1999935	35857	55.1	6.190	651			3.7	1.1	.1		93
Wet Bulb	1700703	33157	50.9	4.285	651							93
Dew Point	1462098	30682	47.1	4.967	651		1.3					93

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

4793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 — STATION
PORTLAND IAP OR — STATION NAME
73-79 — YEARS
OCT — MONTH

1200-1400 — HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85													.2	.3				3	3		
84/ 83												.9	.2					2	2		
82/ 81											.2	.5						4	4		
8 / 79											.3	.3						4	4		
78/ 77								.2	.3	.8	.5							11	11		
76/ 75							.3	.2		.5	.2							7	7		
74/ 73						.3	.5	.2	.6	.6	.3							16	16		
72/ 71						.9	.9	.5	.6		.3	.3						22	22		
7 / 69					.5	.9	.5	.9	.6	.2	.3							25	25		
68/ 67				.2	1.1	1.8	.5	.5		.5	.2							30	30		
66/ 65				2.5	1.2	3.2	1.7	.5	.6	.9								69	69		
64/ 63			.9	2.6	3.7	4.2	1.1	.9										87	87	6	
62/ 61		.2	1.8	3.1	3.5	1.2	.8	.2										68	68	22	
4 / 59		.5	2.5	4.9	2.8	.9	.5											78	78	66	
58/ 57		.6	3.1	3.7	2.5	.5												67	67	80	7
56/ 55		.2	2.2	3.2	.5													39	39	112	56
54/ 53		.8	4.3	1.7	.3													46	46	110	42
52/ 51		.9	3.8	.2														32	32	90	73
50/ 49		3.2	1.2															29	29	87	64
48/ 47		1.1	.2															8	8	66	119
46/ 45		.3	.2															3	3	8	124
44/ 43																				3	53
42/ 41																					40
4 / 39																					25
38/ 37																					17
36/ 35																					4
34/ 33																					7
32/ 31																					7
28/ 27																					6
26/ 25																					6
TOTAL		7.7	19.8	22.0	16.0	14.0	6.5	3.8	2.8	3.4	2.2	1.2	.3	.3				650	650		650
																		650		650	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2677379	40173	61.8	17.312	650							
Dry Bulb	2485528	39922	61.4	7.193	650			17.7	6.7	1.4		93
Wet Bulb	2891 2	34940	53.8	4.106	650							93
Dew Point	145 018	3 468	46.9	5.804	650		2.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85														.2				1	1		
84/ 83												.5		.2				4	4		
82/ 81											.2	.3	.3					5	5		
80/ 79											.8	.3						7	7		
78/ 77								.8	.3	.6	.5							14	14		
76/ 75							.2	.9	1.1	.8	.5	.2						23	23		
74/ 73						.2	.6	.8	.5	.5	.5	.2						20	20		
72/ 71						.5	1.3	.2	.8	.6	.2	.3						28	28		
70/ 69					.3	1.4	.8	.2	.8	.2	.3							25	25		
68/ 67				.2	1.5	2.5	1.5	.8	.5	.5								48	48		
66/ 65				1.8	1.7	2.2	2.2	.6	.3	.6								61	61		
64/ 63			.5	1.5	2.4	4.5	.9	.3	.3	.3								63	63	10	
62/ 61		.5	.9	1.8	3.5	1.7	1.5	.5	.3									70	70	31	
60/ 59		.8	2.5	2.9	3.7	1.7		.3										77	77	80	3
58/ 57		.9	2.3	1.8	1.5	.2	.2											45	45	65	7
56/ 55			1.8	4.0	1.2													46	46	87	35
54/ 53		1.1	2.3	2.2	.2	.2												38	38	122	50
52/ 51		1.4	3.2	.8														35	35	88	60
50/ 49		2.6	.9	.5														26	26	81	73
48/ 47		1.5	.3															12	12	60	98
46/ 45		.2	.2															2	2	20	126
44/ 43																				5	61
42/ 41				.2														1	1	1	41
40/ 39																					34
38/ 37																				1	17
36/ 35																					14
34/ 33																					5
32/ 31																					6
30/ 29																					6
28/ 27																					5
26/ 25																					5
24/ 23																					4
TOTAL		8.9	14.9	17.7	15.3	14.7	9.7	5.2	4.8	4.0	2.8	1.7	.3	.3				651	651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2479982	38382	59.0	18.273	651							
Dry Bulb	2566129	40507	62.2	7.812	651			25.0	10.6	1.7		93
Wet Bulb	1894896	35802	53.8	8.465	651							93
Dew Point	1411172	30032	46.1	6.292	651		3.9					93

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

4794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | OCT 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/ 75											.2	.2						2	2		
74/ 73								.2			.5							4	4		
72/ 71						.2	.3	.2	.3	.3								8	8		
7 / 69					.5	.5		.5	.2	.2	.2							12	12		
68/ 67				.3	.6	.5	.2	.5	.3	.2	.2							17	17		
66/ 65				.6	1.1	.8	.2	.3										19	19		
64/ 63			1.4	1.7	1.4	.5	.2	.5	.2	.2								38	38		
62/ 61		.6	2.3	2.6	1.8	.3	.5	.3	.2									55	55	9	
60/ 59		.8	3.1	2.9	2.3	1.2	.3	.3	.8									76	75	34	1
58/ 57		1.2	5.7	3.1	2.5	.5	.2	.3										84	84	47	16
56/ 55		2.3	6.1	4.1	.9			.2										88	88	79	30
54/ 53		2.8	6.1	1.7	.6	.5												75	75	96	48
52/ 51		1.2	5.7	.8	.3													52	52	94	69
5 / 49		4.1	2.8	.2														46	46	109	87
48/ 47		4.8	2.2		.2													46	46	83	104
46/ 45	.2	2.3	.8															21	21	57	107
44/ 43		.9	.2															7	7	34	59
42/ 41		.2																1	1	9	46
40/ 39																					33
38/ 37																					16
36/ 35																					11
34/ 33																					3
32/ 31																					2
3 / 29																					4
28/ 27																					6
26/ 25																					3
24/ 23																					2
22/ 21																					3
20/ 19																					1
TOTAL	.2	21.2	35.9	18.0	11.7	4.6	1.7	3.1	1.8	.8	.9	.2						651	651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	351 734	45640	71.6	16.138	651							
Dry Bulb	2096371	36739	56.4	6.204	651			6.1	.9			93
Wet Bulb	1728282	33416	51.3	4.477	651							93
Dew Point	1433608	30286	46.5	6.165	651		3.0					93

USAFETAC FORM AK 64 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229	PORTLAND IAP OR	73-79		OCT
STATION	STATION NAME	YEARS		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
72/ 71									.2									1	1		
/ 69							.2	.3										3	3		
68/ 67							.3											1	1		
66/ 65				.2				.2	.2	.3								5	5		
64/ 63			.8	.5	.3	.3												12	12		
62/ 61		.0	1.5	.2	.6			.2										21	21		
6 / 59		1.5	3.5	1.5			.2											44	44	21	
58/ 57		1.7	4.3	2.0	.6	.6		.8										63	63	23	12
56/ 55		6.3	4.8	1.8	.5	.6	.2											90	90	85	30
54/ 53		5.8	6.5	1.2		.2												89	89	94	38
52/ 51	.2	6.5	5.1	.3														78	78	85	71
/ 49		8.1	2.6	.6														73	73	96	89
48/ 47		9.1	2.3	.2	.2													76	76	114	113
46/ 45	.3	5.5	2.2															52	52	74	103
44/ 43	.5	3.5	.6															30	30	58	67
42/ 41	.6	.5																7	7	29	54
/ 39	.8																	5	5	11	41
38/ 37																					16
36/ 35	.2																	1	1	1	7
34/ 33																					1
32/ 31																					1
/ 29																					5
28/ 27																					2
26/ 25																					2
24/ 23																					2
TOTAL	2.5	48.8	33.8	8.4	2.2	1.7	.6	1.4	.3	.3									651		651
																		651		651	

Element (X)	Σx'	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4416752	52972	81.4	12.429	651							
Dry Bulb	1813969	34177	52.5	5.506	651			.7				93
Wet Bulb	1606763	32205	49.5	4.571	651							93
Dew Point	1432751	30335	46.6	5.437	651		1.7					93

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

4795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85													.0	.1				4	4		
84/ 83												.3	.0	.0				6	6		
82/ 81											.0	.1	.0					9	9		
80/ 79											.1	.1						12	12		
78/ 77								.1	.1	.2	.1	.0						26	26		
76/ 75							.1	.1	.1	.2	.1	.0						34	34		
74/ 73						.1	.1	.1	.2	.2	.2	.0						44	44		
72/ 71						.2	.4	.1	.2	.1	.1	.1						63	63		
70/ 69					.2	.4	.2	.2	.3	.1	.1							73	73		
68/ 67				.1	.4	.7	.3	.3	.1	.1	.1							108	108		
66/ 65			.0	.7	.6	.8	.5	.2	.2	.2								170	170		
64/ 63			.5	1.1	1.1	1.2	.3	.2	.1	.1								232	232	16	
62/ 61		.3	1.3	1.2	1.5	.4	.4	.2	.1									281	281	65	
60/ 59		.8	2.4	2.0	1.3	.6	.2	.1	.1									385	385	228	4
58/ 57	.1	2.1	3.1	2.1	.9	.3	.1	.1										459	459	316	63
56/ 55	.2	3.5	3.5	2.4	.5	.2	.1	.0										530	530	514	249
54/ 53	.1	4.3	4.0	1.0	.2	.1												510	510	864	362
52/ 51	.1	5.0	4.1	.5	.1	.0	.0											513	513	697	506
50/ 49	.3	6.7	1.8	.2		.0												468	468	733	636
48/ 47	.0	7.1	1.2	.1	.0													480	480	734	860
46/ 45	1.0	4.9	.7	.0														342	342	505	888
44/ 43	.9	3.3	.3															229	229	379	549
42/ 41	1.0	1.3	.1	.0														123	123	209	467
40/ 39	.6	.4	.0															49	49	76	269
38/ 37	.5	.1																33	33	42	140
36/ 35	.3	.1																18	18	20	75
34/ 33	.1	.0																3	3	6	30
32/ 31																					27
30/ 29																					23
28/ 27																					25
26/ 25																					18
24/ 23																					9
22/ 21																					3
20/ 19																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 90 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | OCT MONTH

ALL HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	5.6	39.9	23.0	11.4	6.8	4.9	2.6	1.9	1.4	1.2	.8	.4	.1	.1				5204	5204	5204	5204

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	32545341	400953	77.0	17.825	5204							
Dry Bulb	15758655	283347	54.4	7.978	5204			54.2	19.3	3.3		744
Wet Bulb	13277158	261966	50.2	5.192	5204							744
Dew Point	11369337	241547	46.4	5.587	5204		15.2					744

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

4766

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
62/ 60			.5															3	3		
58/ 57			.3	.3	.2													5	5	3	
56/ 55		1.0	.3	.0														13	13		3
54/ 53		1.6	1.0	.3	.2													19	19	9	2
52/ 51	.2	2.7	1.1	.6	.3													31	31	22	11
50/ 49	.2	6.0	1.4	.3		.3												52	52	34	26
48/ 47	.6	7.2	1.3		.2													58	58	50	36
46/ 45	1.4	6.4	1.1	.2														57	57	75	64
44/ 43	1.7	11.1	1.9	1.1														100	100	67	54
42/ 41	.6	6.0	2.2	.5														59	59	74	74
40/ 39	2.3	4.5	.8	1.1														53	53	68	63
38/ 37	4.3	2.2	.2	.3														42	42	62	72
36/ 35	2.9	3.2		.3	.2													41	41	47	60
34/ 33	1.6	2.5	.3		.3													30	30	31	34
32/ 31	1.7	1.3	1.1															26	26	30	42
30/ 29	.6	1.1	.5	.5														17	17	12	18
28/ 27	2.1	.6	.2															18	18	32	16
26/ 25	.2	.5																4	4	8	17
24/ 23		.2																1	1	5	6
22/ 21																					14
20/ 19																					4
18/ 17																					6
16/ 15																					1
14/ 13																					3
12/ 9																					2
8/ 7																					1
TOTAL	19.9	58.0	14.1	6.4	1.3	.3												629	629	629	629

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Rel. Hum.	4785223	54329	86.4	12.145	629							
Dry Bulb	1153961	25971	42.2	7.084	629		9.8					9
Wet Bulb	1 59886	25468	4 .5	6.759	629		12.4					9
Dew Point	958778	2 052	38.2	7.887	629		18.6					9

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

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
62/ 61			.2															1	1		
60/ 59			.3															2	2		
58/ 57		.3																2	2	2	
56/ 55		1.3	.8	.3														18	18	3	2
54/ 53		1.7	.2	.6														16	16	11	5
52/ 51	.2	2.4	1.0	.8	.3													29	29	17	17
50/ 49	.3	5.1	1.4	.5														46	46	30	20
48/ 47	1.3	5.2	.6		.3													45	45	39	33
46/ 45	1.7	7.5	1.1	.3	.2													68	68	67	49
44/ 43	2.5	7.5	2.4	.6														82	82	64	64
42/ 41	1.3	8.9	1.9	.2														75	75	76	56
40/ 39	2.9	3.5	.2	1.1														48	48	80	78
38/ 37	2.9	2.9	.6	.6														44	44	47	68
36/ 35	4.6	2.4	.2															45	45	58	68
34/ 33	2.2	1.7	.3	.2	.5													31	31	34	42
32/ 31	2.4	1.9	.8	.2														33	33	28	45
30/ 29	1.7	.2	.5	.5														18	18	21	30
28/ 27	1.1	.8	.2															13	13	17	9
26/ 25	.6	.5																7	7	13	11
24/ 23	.5																	3	3	9	11
22/ 21	.3																	2	2	2	7
20/ 19	.3																	2	2	2	11
18/ 17																					3
16/ 15																					1
14/ 13																					2
12/ 11																					3
10/ 9																					1
8/ 7																					2
TOTAL	26.2	53.7	12.5	6.3	1.3													630	630	630	630

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4908277	55079	87.4	12.152	630							
Dry Bulb	1128493	26262	41.7	7.324	630		21.1					90
Wet Bulb	1043434	25260	40.1	6.978	630		13.1					90
Dew Point	948810	23934	38.0	7.929	630		19.4					90

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

4797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 59			.3															2	2		
58/ 57		.3	.5		.2													6	6	2	
56/ 55		.5	.5	.5	.5													12	12	5	
54/ 53	.2	1.6	.5	.3														16	16	5	11
52/ 51	.2	3.0	.6	.6	.3													30	30	18	7
50/ 49	.5	4.1	1.9	.6														45	45	33	29
48/ 47	1.1	7.5	1.3		.3													63	63	45	32
46/ 45	1.1	6.8	.8	.2														56	56	73	39
44/ 43	2.1	5.7	1.9	1.3														69	69	67	67
42/ 41	2.9	8.3	1.1	.3														79	79	68	68
40/ 39	2.7	4.8	.5	.5														48	48	79	64
38/ 37	3.2	3.0	.8	.6														48	48	50	79
36/ 35	3.3	2.4	.2	.6														47	47	53	53
34/ 33	2.2	1.6	.5		.3													29	29	37	45
32/ 31	3.3	1.9	.5		.2													37	37	32	50
30/ 29	1.3	1.0	.6	.5														19	19	22	20
28/ 27	.5	.5																6	6	13	14
26/ 25	.8																	5	5	12	11
24/ 23	.6	.2																5	5	8	8
22/ 21	.8	.3																7	7	7	11
20/ 19	.2																	1	1	1	9
18/ 17																					2
16/ 15																					3
14/ 13																					2
12/ 11																					3
10/ 9																					1
8/ 7																					2
TOTAL	27.3	52.5	12.4	6.0	1.8														630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4879974	54922	87.2	12.094	630							
Dry Bulb	1126994	26234	41.6	7.414	630		11.4					90
Wet Bulb	1140533	25219	40.0	7.021	630		13.6					90
Dew Point	943336	23865	37.9	7.943	630		19.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				
68/ 67					.2													1	1		
66/ 65				.2														1	1		
64/ 63			.2															1	1		
62/ 61		.2	.2		.2	.2												4	4		
60/ 59			.6	.6	.2	.6												13	13	4	
58/ 57			1.0	.5	.8	.2												15	15	1	2
56/ 55		.8	1.3	1.3	.2	.2												23	23	6	3
54/ 53		1.6	2.2	1.3	.8	.2												36	36	23	5
52/ 51		2.5	2.5	.5	.3													37	37	25	14
50/ 49	.3	4.8	4.1	.6	1.0													68	68	53	31
48/ 47	.5	7.1	4.6	2.1	.5	.2												89	89	67	43
46/ 45	.8	5.3	1.9	1.1	.3													58	58	78	61
44/ 43	1.1	5.6	2.9															60	60	63	64
42/ 41	1.4	5.6	1.3	.6	.3													58	58	91	78
40/ 39	1.3	3.1	.6	1.1	.3	.2												41	41	52	73
38/ 37	3.1	2.7	.2	.3	.5	.2												43	43	51	77
36/ 35	1.1	1.1	.5	.6	.2													22	22	28	44
34/ 33	1.1	1.6	.6	.5														23	23	23	32
32/ 31	1.8	1.3	.5	.6														26	26	30	38
30/ 29	.6	.2																5	5	17	14
28/ 27	.5																	3	3	11	15
26/ 25		.2																1	1	4	9
24/ 23																				1	5
22/ 21																					7
20/ 19																					6
18/ 17																					3
16/ 15																					1
14/ 13																					8
12/ 9																					3
TOTAL	13.4	43.3	24.5	11.5	5.6	1.8													628		628
																		628		628	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4237814	50764	80.6	14.637	628							
Dry Bulb	1308299	28301	45.1	7.244	628		5.0	.1				90
Wet Bulb	1155527	26615	42.4	6.631	628		9.0					90
Dew Point	999283	24549	39.1	7.952	628		15.6					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
74/ 73								.2										1	1		
72/ 71							.2											1	1		
71/ 69						.2												4	1		
68/ 67				.2	.3		.2											4	4		
66/ 65				.2	.3	.3												5	5		
64/ 63				.3	.5		.8	.2										11	11		
62/ 61		.5	.2	.3	.3	.8	.8	.2										19	19	4	
60/ 59			.6	1.2	1.0	.3												18	18	6	
58/ 57		.3	1.7	.8	1.3	.8	.3											33	33	8	4
56/ 55		.5	1.4	2.9	1.4	.8												44	44	13	3
54/ 53	.3	2.4	2.4	2.7	1.2	.2												56	56	28	16
52/ 51	.2	2.4	3.8	2.2	1.4	.6												67	67	47	16
50/ 49	.2	2.9	3.5	2.9	1.7													70	70	78	38
48/ 47		2.7	4.4	2.7	.6		.3											68	68	70	32
46/ 45	.2	4.3	4.7	.8	.6	.3												64	64	71	64
44/ 43	.6	4.0	2.1	.8	.8	.2												53	53	90	55
42/ 41	.3	2.4	1.4	1.3	1.1	1.1												45	45	73	74
40/ 39	.5	1.9	.3	.6	.2	.3												24	24	38	98
38/ 37	.2	1.1	.2		.2													10	10	25	54
36/ 35	.8	.8	.6	.2														14	14	28	42
34/ 33	.2	.6	.3	.6	.5													14	14	18	36
32/ 31	.6	.6																8	8	20	28
30/ 29																				7	7
28/ 27																				6	17
26/ 25																					9
24/ 23																					6
22/ 21																					8
20/ 19																					3
18/ 17																					4
16/ 15																					2
14/ 13																					8
12/ 11																					3
10/ 9																					2
8/ 7																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV 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	4.0	27.3	26.3	20.3	13.2	5.9	2.5	.5										630	630	630	630

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3393452	45798	71.6	16.204	630							
Dry Bulb	1543513	30837	48.9	7.384	630		2.1	1.0	.1			90
Wet Bulb	1279091	28089	44.6	6.518	630		4.7					90
Dew Point	1026032	24864	39.5	8.433	630		14.0					90

4799 USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

PAGE 1 1500-1700 (HOURS (L, S, T.))

Temp. (F)	WET-BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
72/ 71								.2											1	1		
71/ 69							.2												1	1		
68/ 67					.2	.3	.3												5	5		
66/ 65					.2	.2													2	2		
64/ 63			.2	.3	.3	.3	.5												10	10		
62/ 61		.2	.5	.3	.5	.2	.2	.2											12	12		
60/ 59		.2	.3	.5	1.3	.5	.3												19	19	6	
58/ 57		.2	1.1	1.0	1.[illegible]	1.0													26	26	10	2
56/ 55		1.9	2.4	1.7	1.3		.3												48	48	14	6
54/ 53	.2	1.1	2.4	3.2	1.[illegible]	.3													51	51	27	9
52/ 51		2.2	4.[illegible]	1.7	.8	.2													56	56	52	20
50/ 49		3.5	3.5	1.7	1.[illegible]	.5													64	64	55	38
48/ 47		4.3	4.8	2.1	1.6		.2												81	81	78	35
46/ 45		3.7	3.7	1.7	1.[illegible]	.3	.2												66	66	65	59
44/ 43	.6	4.6	2.9	1.4	.8	.3													67	67	86	61
42/ 41	.6	2.4	1.3	.8	.8	.3													39	39	70	80
40/ 39		1.1	.8	.6	.6	.5													23	23	49	70
38/ 37	.2	1.7	.8	.6		.2													22	22	25	51
36/ 35	.5	1.[illegible]	.3	.3	.2														14	14	35	48
34/ 33	.5	.5	.2	.3															9	9	26	39
32/ 31	.2	1.[illegible]	.3	.5															12	12	14	27
[illegible]/ 29			.3																2	2	9	16
[illegible]/ 27																					4	13
26/ 25																					5	12
[illegible]/ 23																						6
[illegible]/ 21																						11
[illegible]/ 19																						6
18/ 17																						2
16/ 15																						4
14/ 13																						7
12/ 11																						4
[illegible]/ 9																						4
TOTAL	2.7	29.4	29.5	18.9	12.2	4.9	2.1	.3											630	630	630	630

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3438618	45454	72.1	15.907	630							
Dry Bulb	1510404	30400	48.3	7.296	630		2.0	1.0				91
Wet Bulb	1252733	27779	44.1	6.655	630		4.6					90
Dew Point	1009028	24604	39.1	8.748	630		16.[illegible]					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV 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
62/ 61		.2	.3															3	3		
60/ 59		.6	.5	.2	.8													13	13	1	
58/ 57		.2	.3	.3	.5													8	8	6	1
56/ 55		1.0	1.6	1.0	1.1													29	29	6	5
54/ 53		2.2	1.3	.5	.8													30	30	12	6
52/ 51	.2	4.4	3.8	1.6	.6	.3	.2											70	70	36	13
50/ 49	.5	4.6	2.2	.5	.2													50	50	51	44
48/ 47		5.1	2.4	1.0														53	53	65	23
46/ 45	.3	7.0	3.0	1.3	.3													75	75	74	76
44/ 43	1.1	7.5	3.5	2.4														91	91	69	60
42/ 41	.6	6.1	1.6	2.4	.2													68	68	76	62
40/ 39	.3	2.7	1.3	.5	.3													32	32	78	64
38/ 37	1.1	2.1	.5	1.1	.2													31	31	37	66
36/ 35	.3	1.9	.3	.5	.6													23	23	35	48
34/ 33	1.1	1.3	.6	.3	.2													22	22	23	40
32/ 31	1.0	1.0	1.1	.2														20	20	23	39
30/ 29	.5		.8	.3														10	10	17	11
28/ 27	.3																	2	2	14	17
26/ 25																				5	14
24/ 23																				2	5
22/ 21																					6
20/ 19																					14
18/ 17																					4
16/ 15																					1
14/ 13																					3
12/ 11																					4
10/ 9																					4
TOTAL	7.3	47.6	25.1	13.8	5.7	.3	.2												630		630
																		630		630	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4107773	50077	79.5	14.225	630							
Dry Bulb	1308425	28381	45.0	6.893	630		4.6					90
Wet Bulb	1152391	26615	42.2	6.673	630		8.7					90
Dew Point	988536	24376	38.7	8.491	630		17.4					90

FORM 0-26-5 (OL A) 4-80 USAFETAC JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
62/ 61			.2	.2														2	2		
6 / 59			.5															3	3		
58/ 57		.5	.3	.3														7	7	2	
56/ 55		.5	1.3	1.4	.3													22	22	7	3
54/ 53		1.9	1.1	.3	.5													24	24	4	8
52/ 51		4.9	1.3	.3	.2		.3											44	44	32	6
5 / 49		4.4	3.7	1.4		.2												61	61	50	37
48/ 47	.3	6.7	1.[illegible]	.6														54	54	50	44
46/ 45	.5	7.5	1.6	1.1														67	67	78	49
44/ 43	2.2	7.9	2.1	1.3														85	85	79	82
42/ 41	.3	6.3	2.1	1.3	.2													62	62	58	55
[illegible] / 39	2.1	4.6	1.1	.5	.6													56	56	72	56
38/ 37	1.7	3.6	.3	.6	.2													42	42	53	64
36/ 35	1.1	2.2	.2		.3													24	24	42	55
34/ 33	1.3	1.1	1.1	.2	.5													25	25	26	39
32/ 31	1.4	1.7	1.3	.3														28	28	27	44
3 / 29	1.1	1.0	.5	.5														18	18	20	19
28/ 27	.6		.2															5	5	18	11
26/ 25		.2																1	1	9	15
24/ 23																				3	8
22/ 21																					10
/ 19																					8
18/ 17																					5
16/ 15																					3
14/ 13																					6
/ 9																					2
8/ 7																					1
TOTAL	12.4	55.2	19.2	10.0	2.7	.2	.3												630		630
																		630		630	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4443379	52203	82.9	13.662	630							
Dry Bulb	1225921	27441	43.6	6.983	630		7.4					90
Wet Bulb	1103562	26 22	41.3	6.758	630		11.0					90
Dew Point	971302	24168	38.4	8.352	630		18.9					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | NOV MONTH

 ALL HOURS (L; S; T;)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
74/ 73								.0										1	1		
72/ 71							.0	.0										2	2		
7 / 69						.0	.0											2	2		
68/ 67				.0	.1	.0	.1											10	10		
66/ 65				.0	.1	.1												8	8		
64/ 63			.0	.1	.1	.0	.2	.0										22	22		
62/ 61		.0	.2	.3	.1	.1	.1	.0										44	44	4	
6 / 59		.1	.4	.3	.4	.2	.0											70	70	17	
58/ 57		.2	.7	.4	.5	.2	.0											102	102	34	9
56/ 55		.9	1.2	1.3	.6	.1	.0											209	209	54	25
54/ 53	.3	1.8	1.4	1.1	.5	.1												248	248	119	62
52/ 51	.1	3.1	2.3	1.1	.5	.1	.1											364	364	249	104
5 / 49	.2	4.4	2.7	1.1	.5	.1												456	456	384	263
48/ 47	.4	5.7	2.5	1.1	.4	.0	.1											511	511	474	278
46/ 45	.8	6.3	2.1	.8	.3	.1	.0											511	511	581	461
44/ 43	1.5	6.7	2.4	1.1	.2	.1												607	607	583	507
42/ 41	1.1	5.7	1.5	.9	.3	.2												485	485	586	539
4 / 39	1.5	3.2	.7	.8	.3	.1												325	325	516	566
38/ 37	2.1	2.4	.4	.5	.1	.0												282	282	350	531
36/ 35	1.9	1.9	.3	.3	.2													230	230	326	410
34/ 33	1.2	1.4	.5	.3	.3													183	183	218	307
32/ 31	1.5	1.3	.7	.2	.1													190	190	208	313
3 / 29	.7	.4	.4	.3														89	89	125	135
28/ 27	.6	.2	.1															47	47	115	112
26/ 25	.2	.2																18	18	56	98
24/ 23	.1	.1																9	9	28	55
22/ 21	.1	.0																9	9	9	74
2 / 19	.1																	3	3	3	61
18/ 17																					29
16/ 15																					16
14/ 13																					30
12/ 11																					26
/ 9																					19
8/ 7																					7

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

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

A201

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229	PORTLAND IAP OR	73-79	NOV	PAGE 2	ALL
STATION	STATION NAME	YEARS	MONTH		HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	14.1	45.9	20.5	11.7	5.5	1.7	.5	.1										5037	5037	5037	5037

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs:	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	34194510	407928	81.0	15.163	5037							
Dry Bulb	3295997	224427	44.6	7.673	5037		52.2	2.1	.1			72*
Wet Bulb	9887153	211167	41.9	6.943	5037		77.2					72*
Dew Point	7844771	194407	38.6	8.235	5037		139.4					720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
60/ 59				.2														1	1		
58/ 57				.5														3	3		
56/ 55		1.1	1.4	.2														17	17		
54/ 53		2.2	.5															17	17	13	
52/ 51		1.4	.8															14	14	25	18
50/ 49	.3	3.1	.3															24	24	14	21
48/ 47	.8	4.8	.5	.6														43	43	36	33
46/ 45	2.5	6.1	.3	.2														59	59	55	46
44/ 43	.9	8.9	2.8	.5	.2													85	85	47	45
42/ 41	1.4	7.5	2.3	1.7	.2													85	85	78	46
40/ 39	1.7	4.1	2.3	.5														56	56	78	53
38/ 37	2.9	7.5	1.2	.2														77	77	75	79
36/ 35	2.6	3.7	1.5	.2														52	52	77	76
34/ 33	2.8	3.7	.3															44	44	60	61
32/ 31	3.4	2.2	.2															37	37	40	70
30/ 29	2.2	.5																17	17	30	45
28/ 27	.9	.3																8	8	11	25
26/ 25	.2	.3																3	3	3	12
24/ 23																					5
22/ 21		.2	.3															3	3		4
20/ 19		.5																3	3	3	2
18/ 17		.5																3	3	3	
16/ 15																				3	
14/ 13																					2
12/ 11																					2
10/ 9																					1
8/ 7																					3
6/ 5																					1
TOTAL	22.4	58.2	14.5	4.5	.3													651	651		651
																		651		651	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	5,348347	56921	87.4	10.480	651
Dry Bulb	1,198851	26487	40.7	6.926	651
Wet Bulb	1,026989	25493	39.2	6.644	651
Dew Point	932292	24158	37.1	7.423	651

Mean No. of Hours with Temperature

Element (X)	≤ 0 F.	≤ 32 F.	≥ 67 F.	≥ 73 F.	≥ 80 F.	≥ 93 F.	Total
Rel. Hum.							
Dry Bulb		10.6					93
Wet Bulb		13.3					93
Dew Point		24.7					93

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

602

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP, OR STATION NAME | 73-79 YEARS | DEC MONTH

 0300-0500 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		1.1	1.1	.2	.2													16	16		
54/ 53		1.7	.5															14	14	11	3
52/ 51		1.8	.9	.2														19	19	17	14
50/ 49		2.8	.6															22	22	18	14
48/ 47	.8	4.8	.9															37	37	37	31
46/ 45	1.8	7.7	.9	.5														71	71	58	47
44/ 43	1.4	6.5	1.5	1.2	.6													73	73	57	43
42/ 41	1.8	9.4	1.7	.5														87	87	70	57
40/ 39	2.3	5.2	1.5	.8														63	63	81	55
38/ 37	.9	6.6	1.2															57	57	69	74
36/ 35	3.8	3.8	1.2															58	58	73	70
34/ 33	2.8	4.8	.5															47	47	63	60
32/ 31	2.9	2.5																35	35	38	66
30/ 29	3.2	.9																27	27	38	46
28/ 27	1.7																	11	11	15	35
26/ 25	.3	.2																3	3	2	18
24/ 23		.3																2	2	3	2
22/ 21																					3
20/ 19		.2																1	1		4
18/ 17		.8	.2															6	6	2	
16/ 15	.2	.2																2	2	6	
14/ 13																				1	2
12/ 11																					1
10/ 9																					2
8/ 7																					1
6/ 5																					2
4/ 3																					1
TOTAL	24.4	59.3	12.7	3.2	.8														651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5118231	57303	88.0	10.688	651							
Dry Bulb	1 88481	26215	40.3	7.098	651		12.4					93
Wet Bulb	1 09997	25262	38.8	6.760	651		15.0					93
Dew Point	920385	23991	36.9	7.468	651		26.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57		.2	.2															2	2		
56/ 55		1.2	1.1															15	15	1	
54/ 53		.3	.8	.2														8	8	11	2
52/ 51		1.7	1.5	.2														22	22	10	8
50/ 49	.2	2.3	.3															18	18	19	21
48/ 47	.6	4.9	.5															39	39	33	22
46/ 45	1.5	6.2	1.7	.6														65	65	51	44
44/ 43	1.4	7.8	1.4	.5	.2													73	73	59	46
42/ 41	2.6	8.6	1.7	.3														86	86	76	58
40/ 39	1.2	5.8	1.2	.9														60	60	73	67
38/ 37	1.7	5.8	1.2	.3														59	59	69	61
36/ 35	2.6	4.5	2.0															56	56	61	72
34/ 33	4.8	3.7	.5	.2														59	59	76	74
32/ 31	4.1	1.7																37	37	50	66
30/ 29	2.6	.9	.2															24	24	31	30
28/ 27	1.4	.2																10	10	13	38
26/ 25	.5																	3	3	3	19
24/ 23	.3																	2	2	2	5
22/ 21	.3																	2	2	2	1
20/ 19	.2	.3																3	3	1	7
18/ 17		.5																3	3	2	
16/ 15		.5																3	3	3	
14/ 13		.2																1	1	3	2
12/ 11																				1	
10/ 9																					1
8/ 7																					3
6/ 5																					2
4/ 3																					1
TOTAL	25.8	56.8	14.2	3.1	.2													650		650	650

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5108946	57250	88.1	10.126	650							
Dry Bulb	1073751	26001	40.0	7.203	650		12.6					93
Wet Bulb	997150	25068	38.6	6.841	650		15.9					93
Dew Point	907998	23808	36.6	7.444	650		25.0					93

FORM AA 541 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC 4803

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | DEC MONTH

 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
63/ 59		.2		.2														2	2		
58/ 57		.2	1.1	.2														9	9	1	
58/ 55		.9	.8															11	11	2	2
54/ 53		.8	1.1	.2														13	13	15	1
52/ 51		2.0	2.8	.2														32	32	13	9
51/ 49		3.7	1.2	.2	.2													34	34	22	22
48/ 47	.2	6.3	2.3	.8	.2													63	63	49	33
46/ 45	.3	6.6	2.6	.6	.2													67	67	53	37
44/ 43	.8	8.3	2.5	1.1	.2													83	83	82	56
42/ 41	1.4	6.6	2.3	1.5	.2													78	78	75	74
40/ 39	.8	6.5	2.2	.9														67	67	67	65
38/ 37	1.2	4.6	1.2	.8														51	51	81	64
36/ 35	2.5	3.8	.3	.5														46	46	59	77
34/ 33	2.9	2.6	.2															37	37	61	63
32/ 31	2.6	2.0																30	30	32	58
30/ 29	1.8	.2																13	13	23	34
28/ 27	.5			.3														4	4	4	23
26/ 25	.2	.2	.2															3	3	2	14
24/ 23																					1
22/ 21	.2		.2															2	2	3	8
20/ 19		.3	.2															3	3	2	1
18/ 17																				2	
16/ 15		.3																2	2		1
14/ 13		.2																1	1	2	
12/ 11																				1	1
10/ 9																					1
8/ 7																					3
6/ 5																					1
4/ 3																					2
TOTAL	15.2	56.1	23.9	7.1	.8														651		651
																		651		651	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Norm No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	479446	55368	85.1	11.188	651							
Dry Bulb	117497	27227	41.8	6.991	651		8.3					93
Wet Bulb	165735	25989	39.9	6.588	651		10.1					93
Dew Point	94988	24390	37.5	7.369	651		21.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

28-29 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | DEC 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
/ 59		.5		.6	.2													8	8		
58/ 57		.2	1.2															9	9	3	
56/ 55		1.1	1.1	.8														19	19	3	3
54/ 53		.9	2.9	1.2	.2													34	34	21	4
52/ 5a		2.3	3.5	.6	.6													47	47	19	9
5 / 49		3.5	4.3	1.2	.3													61	61	40	31
48/ 47	.5	5.7	3.5	2.3	.9													84	84	63	35
46/ 45	.3	6.0	4.5	1.5	.3													82	82	79	47
44/ 43	.6	5.8	4.3	1.8	.6													86	86	79	74
42/ 41	.5	3.2	3.8	1.7	.2													61	61	77	60
/ 39	.6	5.4	1.5	1.5	.2													60	60	73	67
38/ 37	.6	3.7	1.5	.3														40	40	75	63
36/ 35	1.5	2.2	.2															25	25	63	79
34/ 33	.6	.9	.2	.2														12	12	25	55
32/ 31	1.5	.6																14	14	18	56
/ 29				.5														3	3	3	21
28/ 27																				1	16
26/ 25																					14
4/ 23			.5															3	3	3	3
22/ 21																					2
/ 19			.2															1	1	3	3
18/ 17			.3															2	2		
16/ 15																				2	1
14/ 13																				1	
/ 9																					5
8/ 7																					1
4/ 3																					3
TOTAL	6.8	42.1	33.5	14.3	3.4														651		651
																		651		651	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	41736.5	51465	79.1	12.731	651							
Dry Bulb	1329442	29118	44.7	6.031	651		3.3					93
Wet Bulb	1168126	27282	41.9	6.176	651		4.4					93
Dew Point	993910	24960	38.3	7.536	651		17.7					93

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

4804

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

29229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

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

Temp. (F)	WET-BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
62/ 61			.2	.2														2	2		
61/ 59			.2	.3														3	3		
58/ 57		.2	.8	.3	.2													9	9	1	
56/ 55		.9	1.7	.2														18	18	3	1
54/ 53		1.2	1.1	1.4														24	24	16	1
52/ 51		2.3	2.6	.8	.2													38	38	21	15
50/ 49		3.7	4.2	.9	.3													59	59	27	22
48/ 47	.2	6.3	3.7	1.2	.8													77	77	63	27
46/ 45	.3	6.8	3.9	1.2	.3													81	81	76	48
44/ 43	.6	5.4	4.9	1.8	.2													84	84	71	77
42/ 41	.5	4.3	4.5	1.5	.2													72	72	81	60
40/ 39	.6	5.2	3.1	.9														64	64	73	64
38/ 37	.2	4.6	2.2	.8														50	50	89	60
36/ 35	1.2	2.9	.8	.6														36	36	59	80
34/ 33	.9	1.2		.2														15	15	41	58
32/ 31	.5	.5		.2	.2													8	8	12	59
30/ 29				.3														2	2	4	24
28/ 27																				1	21
26/ 25			.5															3	3	2	11
24/ 23																				2	3
22/ 21																				3	3
20/ 19	.2		.2															2	2	1	3
18/ 17			.2															1	1		2
16/ 15			.2															1	1	2	2
14/ 13																				1	1
12/ 11																					1
10/ 9																					4
8/ 7																					1
6/ 5																					3
TOTAL	5.1	45.5	34.5	12.8	2.2														649		649
																		649		649	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4193112	51550	79.4	12.329	649							
Dry Bulb	1786125	28603	44.3	6.276	649		2.4					93
Wet Bulb	1134312	26942	41.4	6.105	649		4.0					93
Dew Point	967919	24571	37.9	7.624	649		19.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB-TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
62/ 61					.2													1	1		
60/ 59				.2														1	1		
58/ 57				.2														1	1		
56/ 55		.5	2.3		.2													19	19		
54/ 53		1.1	.3															9	9	8	
52/ 51		1.1	1.2															15	15	21	5
50/ 49	.3	3.4	.5	.3														29	29	13	24
48/ 47	.5	6.5	.2	.2	.2													45	45	42	26
46/ 45	1.1	6.0	2.5	.3														64	64	54	55
44/ 43	1.1	7.1	3.2	.3														76	76	54	43
42/ 41	2.3	7.3	3.4	1.7	.5													98	98	81	53
40/ 39	1.9	4.6	1.9	.5														57	57	83	56
38/ 37	3.7	5.9	2.3	.2														78	78	82	81
36/ 35	1.9	6.5	1.5	.8														66	66	65	71
34/ 33	2.7	2.6	.2	.5														34	34	67	55
32/ 31	3.1	1.2	.2	.5														32	32	35	85
30/ 29	.9	.3																8	8	20	29
28/ 27		.2																1	1	6	25
26/ 25	.2		.2															2	2	4	6
24/ 23			.2															1	1		10
22/ 21		.2																1	1	2	5
20/ 19	.5	.2	.5															7	7	5	1
18/ 17																				2	3
16/ 15			.5															3	3	1	4
14/ 13																					5
12/ 11																				3	
10/ 9																					3
8/ 7																					3
TOTAL	19.3	53.5	20.8	5.4	.9													648	648	648	648

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4816731	55353	85.4	11.689	648							
Dry Bulb	1117895	26547	41.0	6.751	648		7.9					93
Wet Bulb	1 23615	25403	39.2	6.551	648		11.2					93
Dew Point	913929	23805	36.7	7.757	648		25.7					93

USAFETAC FORM AK 14 0-26-5 (OL A) (ETHED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

29229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | DEC MONTH

 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
62/ 61			.0	.0	.0													3	3		
60/ 59		.1	.0	.2	.0													15	15		
58/ 57		.1	.5	.1	.0													38	38	5	
56/ 55		.9	1.4	.2	.0													128	128	9	6
54/ 53		1.3	1.7	.4	.0													131	131	107	11
52/ 51		1.7	1.8	.2	.1													198	198	139	87
50/ 49	.1	3.4	1.6	.3	.1													291	291	165	171
48/ 47	.5	5.4	1.7	.7	.2													448	448	378	233
46/ 45	1.2	6.5	2.3	.7	.1													561	561	477	377
44/ 43	1.1	7.2	3.0	1.0	.2													646	646	520	448
42/ 41	1.5	6.7	3.3	1.3	.2													662	662	614	463
40/ 39	1.3	5.2	1.9	.9	.1													486	486	613	466
38/ 37	1.6	5.7	1.7	.3														484	484	610	549
36/ 35	2.2	3.9	1.2	.3														398	398	531	595
34/ 33	2.2	2.7	.2	.1														273	273	455	485
32/ 31	2.4	1.5	.0	.1	.0													216	216	253	532
30/ 29	1.4	.3	.0	.1														98	98	163	266
28/ 27	.6	.3	.0	.0														36	36	54	206
26/ 25	.2	.1	.1															18	18	19	104
24/ 23	.0	.0	.1															8	8	11	35
22/ 21	.1	.0	.1															11	11	11	29
20/ 19	.2	.2	.1															23	23	21	23
18/ 17		.2	.1															15	15	11	7
16/ 15	.1	.1	.1															14	14	17	10
14/ 13		.0																2	2	9	15
12/ 11																				7	6
10/ 9																					14
8/ 7																					18
6/ 5																					6
4/ 3																					7
2/ 1																					9
TOTAL	16.4	53.3	22.0	7.1	1.1														5199		5199
																		5199		5199	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	378636[illegible]	439374	84.5	11.863	5199							
Dry Bulb	933345[illegible]	217297	41.8	6.953	5199		63.4					744
Wet Bulb	8476178	207110	39.8	6.588	5199		82.4					744
Dew Point	7509982	193678	37.3	7.540	5199		184.0					744

USAFETAC FORM 0-26-5 (OL-A) 4806 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229	PORTLAND IAP OR	73-79	ALL
STATION	STATION NAME	YEARS	MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 4/1 3																.0	.0	4	4		
12/11																.0	.0	12	12		
10/ 99															.0	.0	.0	15	15		
98/ 97														.0	.0	.0	.0	30	30		
96/ 95													.0	.0	.0	.0	.0	15	15		
94/ 93											.0	.0	.0	.0	.0	.0	.0	46	46		
92/ 91										.0	.0	.1	.0	.0	.0	.0		101	101		
90/ 89										.0	.1	.1	.0	.0	.0			141	141		
88/ 87										.1	.1	.1	.0	.0				186	186		
86/ 85								.0	.1	.1	.1	.1	.1	.0				298	298		
84/ 83								.0	.1	.2	.2	.1	.0	.0				397	397		
82/ 81							.0	.1	.2	.2	.1	.1	.0					439	439		
80/ 79						.0	.1	.3	.2	.2	.1	.0	.0					512	512		
78/ 77						.0	.2	.4	.2	.1	.1	.0	.0					630	630		
76/ 75				.0	.1	.2	.3	.4	.3	.1	.1	.0						798	798		
74/ 73				.0	.0	.4	.5	.4	.2	.1	.0	.0	.0					1017	1017	6	
72/ 71			.0	.0	.3	.4	.6	.3	.2	.1	.0	.0						1180	1180	59	
70/ 69			.0	.1	.6	.7	.5	.3	.2	.0	.0							1452	1452	274	
68/ 67			.1	.4	.7	.6	.5	.2	.1	.0	.0							1562	1562	523	
66/ 65		.1	.3	.9	.9	.7	.4	.2	.1	.0								2080	2080	952	4
64/ 63		.2	.8	1.1	.9	.7	.3	.1	.0	.0								2522	2522	1582	49
62/ 61		.4	1.3	1.2	1.0	.4	.2	.1	.0									2890	2890	2322	265
60/ 59	.1	.9	1.9	1.5	.8	.4	.2	.1	.0									3559	3559	3314	849
58/ 57	.1	1.1	2.0	1.3	.7	.3	.1	.1	.0									3392	3392	3906	2195
56/ 55	.1	1.3	2.1	1.3	.6	.2	.1	.0	.0									3429	3430	4306	3459
54/ 53	.1	1.4	1.9	1.1	.5	.2	.1	.0										3098	3098	4343	3903
52/ 51	.1	1.7	2.0	.8	.4	.1	.0	.0										3122	3122	4210	4246
50/ 49	.1	2.6	1.8	.9	.3	.2	.1	.0										3560	3560	4023	4858
48/ 47	.2	3.5	1.7	.8	.3	.1	.1	.0										4032	4032	4439	5215
46/ 45	.3	3.6	2.0	.5	.2	.1	.1	.0										4145	4145	4614	5167
44/ 43	.4	3.8	1.7	.5	.1	.0	.0											4032	4032	4435	4670
42/ 41	.4	2.9	1.3	.4	.1	.0	.0											3125	3125	4397	4461
40/ 39	.3	2.1	.7	.3	.1	.0	.0											2174	2174	3518	4732
38/ 37	.2	1.8	.4	.2	.0	.0	.0											1896	1896	2700	4274

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24229 STATION | PORTLAND IAP OR STATION NAME | 73-79 YEARS | ALL MONTH

 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
36/ 35	.8	1.5	.3	.1	.2	.0												1722	1722	2222	3567
34/ 33	.6	1.0	.3	.1	.1	.0												1239	1239	1717	2590
32/ 31	.8	.7	.1	.1	.0													962	965	1148	2292
30/ 29	.3	.3	.1	.1	.0													553	559	784	1401
28/ 27	.2	.1	.1	.1														319	319	415	934
26/ 25	.0	.1	.1	.0														191	191	328	589
24/ 23	.0	.1	.1	.0														121	121	250	377
22/ 21	.0	.1	.1	.0														100	100	170	300
20/ 19	.0	.0	.1															118	118	149	251
18/ 17	.0	.0	.0															52	52	108	200
16/ 15	.0	.0	.0															29	29	57	124
14/ 13	.0	.0	.0															10	10	24	182
12/ 11		.0																1	1	17	126
10/ 9																					157
8/ 7																					156
6/ 5																					78
4/ 3																					65
2/ 1																					43
0/ -1																					26
-2/ -3																					6
TOTAL	5.1	31.4	23.2	14.0	8.8	5.7	3.9	2.8	2.9	1.2	.9	.5	.3	.2	.1	.1	.0	61308	61313	61308	61308

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	34696499	4434667	72.3	18.125	61308							
Dry Bulb	182206052	3247802	53.0	12.877	61313		351.6	1262.6	663.1	274.0	17.5	8760
Wet Bulb	146843988	2941088	48.0	9.687	61308		492.5	123.2	.9			8760
Dew Point	119991270	2648218	43.2	9.558	61308	4.6	1043.6					8760

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

USAFETAC 4607

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24229 PORTLAND IAP OR 73-79

STATION STATION NAME YEARS

HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0-02	MEAN	36.3	40.4	43.1	46.0	51.1	56.8	61.1	61.2	58.0	50.2	42.2	40.7	49.0
	S.D.	8.137	5.541	4.842	4.703	5.065	4.965	4.697	4.233	4.397	5.568	7.084	6.926	10.089
	TOTAL OBS	650	590	651	630	651	629	651	651	630	650	629	651	7663
3-05	MEAN	35.7	39.8	41.6	44.1	48.9	54.4	58.3	58.8	55.7	48.8	41.7	40.3	47.4
	S.D.	8.370	5.771	5.235	4.832	4.751	4.420	3.910	3.779	4.625	5.531	7.324	7.098	9.475
	TOTAL OBS	651	591	651	629	651	629	651	651	630	650	630	651	7665
06-08	MEAN	35.6	39.6	41.3	45.0	51.2	57.0	60.4	59.7	56.4	48.8	41.6	40.0	48.1
	S.D.	8.489	5.908	5.313	4.893	5.000	4.798	4.162	4.036	4.682	5.506	7.414	7.203	10.160
	TOTAL OBS	651	590	651	630	651	629	650	651	630	650	630	650	7663
09-11	MEAN	37.9	42.6	46.5	51.3	57.6	63.4	67.5	66.1	64.3	55.1	45.1	41.8	53.3
	S.D.	7.856	5.726	5.257	5.404	6.460	6.494	6.225	5.677	6.278	6.190	7.244	6.991	11.907
	TOTAL OBS	651	591	651	630	651	630	651	651	629	651	628	651	7665
12-14	MEAN	41.3	46.9	51.8	56.6	62.8	69.4	74.7	73.2	71.6	61.4	48.9	44.7	58.7
	S.D.	7.776	6.006	6.290	6.879	8.385	8.437	8.249	7.974	8.405	7.193	7.364	6.451	13.655
	TOTAL OBS	650	591	651	630	651	630	651	651	629	650	630	651	7665
15-17	MEAN	41.2	47.4	53.2	58.2	64.3	71.9	77.8	76.2	73.3	62.2	48.3	44.1	59.9
	S.D.	7.912	6.147	7.288	7.997	9.373	9.151	9.031	9.292	8.919	7.812	7.296	6.276	14.926
	TOTAL OBS	651	591	651	630	651	630	651	651	630	651	630	649	7666
18-20	MEAN	38.5	43.8	49.1	54.1	60.4	67.8	73.4	71.6	67.3	56.4	45.0	41.8	55.8
	S.D.	7.905	5.332	6.247	7.175	8.557	8.142	8.294	7.958	7.182	6.204	6.893	6.348	13.832
	TOTAL OBS	650	589	651	629	651	630	651	651	630	651	630	648	7661
21-23	MEAN	37.2	41.9	45.3	49.2	54.5	60.8	65.8	65.0	61.4	52.5	43.6	41.0	51.6
	S.D.	7.983	5.213	4.864	5.554	6.288	5.959	5.891	5.455	4.908	5.506	6.983	6.751	11.300
	TOTAL OBS	651	591	651	630	651	630	651	651	630	651	630	648	7665
ALL HOURS	MEAN	38.0	42.8	46.5	50.6	56.3	62.7	67.4	66.5	63.5	54.4	44.6	41.8	53.0
	S.D.	8.326	6.379	7.108	7.864	8.821	9.095	9.466	8.839	9.026	7.978	7.673	6.953	12.877
	TOTAL OBS	5205	4724	5208	5038	5208	5037	5207	5208	5038	5204	5037	5199	61313

USAF ETAC FORM OCT 75 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24229 — STATION
PORTLAND IAP OR — STATION NAME
73-79 — YEARS

HRS. (L.S.T.)		JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	34.5	38.4	40.6	43.3	47.6	52.3	56.0	56.8	54.7	48.1	40.5	39.2	46.0
	S.D.	8.332	5.436	4.740	4.269	4.140	4.182	3.671	3.523	3.733	4.771	6.759	6.644	8.995
	TOTAL OBS	650	590	651	630	651	629	651	651	630	650	629	651	7663
03-05	MEAN	34.1	37.9	39.5	42.0	46.3	51.0	54.5	55.5	53.2	47.3	40.1	38.8	45.1
	S.D.	8.452	5.602	5.051	4.487	4.072	4.021	3.426	3.496	4.006	4.906	6.978	6.760	8.768
	TOTAL OBS	651	591	651	629	651	629	651	651	630	650	630	651	7665
06-08	MEAN	34.3	37.7	39.4	42.7	47.8	52.6	55.7	56.0	53.7	47.3	40.0	38.6	45.5
	S.D.	8.581	5.721	5.030	4.376	3.988	3.987	3.305	3.360	3.896	4.890	7.021	6.841	9.117
	TOTAL OBS	648	590	651	630	651	629	650	651	630	650	630	650	7660
09-11	MEAN	35.7	39.9	42.7	46.3	51.2	55.6	58.8	58.9	57.4	50.9	42.4	39.9	48.4
	S.D.	8.107	5.474	4.528	4.186	4.499	4.515	3.910	3.480	3.433	4.285	6.631	6.588	9.419
	TOTAL OBS	650	591	651	630	651	630	651	651	629	651	628	651	7664
12-14	MEAN	38.0	42.5	45.5	49.0	53.5	58.1	61.6	61.7	60.0	53.8	44.6	41.9	50.9
	S.D.	7.907	5.241	4.718	4.663	4.876	5.055	4.493	4.072	3.653	4.106	6.518	6.176	9.604
	TOTAL OBS	650	591	651	630	651	630	651	651	629	650	630	651	7665
15-17	MEAN	37.8	42.6	45.8	49.5	53.8	58.8	62.6	62.6	60.5	53.8	44.1	41.4	51.1
	S.D.	8.060	5.149	4.950	4.791	4.873	5.014	4.386	4.174	3.865	4.465	6.655	6.105	9.975
	TOTAL OBS	651	591	651	630	651	630	651	651	630	651	630	649	7664
18-20	MEAN	36.1	40.6	43.7	47.4	52.0	57.4	61.4	61.3	58.5	51.3	42.2	39.8	49.4
	S.D.	8.189	5.042	4.803	4.783	4.885	4.764	4.286	4.069	3.836	4.477	6.673	6.258	10.082
	TOTAL OBS	650	589	651	628	651	630	651	651	630	651	630	648	7660
21-23	MEAN	35.2	39.4	41.9	45.1	49.4	54.3	58.3	58.7	56.3	49.5	41.3	39.2	47.4
	S.D.	8.243	5.126	4.551	4.385	4.444	4.449	3.838	3.747	3.586	4.571	6.758	6.551	9.405
	TOTAL OBS	651	591	651	630	651	630	651	651	630	651	630	648	7665
ALL HOURS	MEAN	35.7	39.9	42.4	45.7	50.2	55.0	58.6	58.9	56.8	50.2	41.9	39.8	48.0
	S.D.	8.358	5.644	5.333	5.230	5.213	5.288	4.858	4.529	4.569	5.192	6.943	6.588	9.687
	TOTAL OBS	5201	4724	5208	5037	5208	5037	5207	5208	5038	5204	5037	5199	61308

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (YEARS)

HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0-02	MEAN	31.0	35.4	37.3	40.1	44.1	48.1	51.8	53.4	51.9	46.2	38.2	37.1	42.9
	S.D.	11.036	7.284	6.070	5.040	4.385	4.677	3.966	4.021	4.394	5.090	7.887	7.423	9.467
	TOTAL OBS	650	590	651	630	651	629	651	651	630	650	629	651	7663
03-05	MEAN	30.8	35.1	36.8	39.6	43.6	47.9	51.4	52.9	51.2	45.9	38.0	36.9	42.6
	S.D.	10.927	7.299	5.981	4.895	4.324	4.346	3.768	3.875	4.232	5.001	7.929	7.468	9.357
	TOTAL OBS	651	591	651	629	651	629	651	651	630	650	630	651	7665
06-08	MEAN	30.7	34.9	36.7	40.0	44.5	48.6	51.9	53.1	51.6	46.0	37.9	36.6	42.8
	S.D.	11.021	7.404	5.786	4.701	4.078	4.266	3.580	3.687	3.952	5.008	7.943	7.444	9.481
	TOTAL OBS	648	590	651	630	651	629	650	651	630	650	630	650	7660
09-11	MEAN	31.7	36.1	38.1	41.0	45.2	49.0	52.2	53.5	52.0	47.1	39.1	37.5	43.6
	S.D.	11.219	7.535	5.850	4.844	4.660	4.972	4.042	3.900	4.541	4.967	7.952	7.369	9.405
	TOTAL OBS	650	591	651	630	651	630	651	651	629	651	628	651	7664
12-14	MEAN	32.6	36.9	38.1	41.2	45.2	49.3	52.4	53.6	51.3	46.9	39.5	38.3	43.8
	S.D.	11.330	7.699	6.698	5.601	4.875	5.660	4.558	4.602	5.624	5.804	8.433	7.536	9.497
	TOTAL OBS	650	591	651	630	651	630	651	651	629	650	630	651	7665
15-17	MEAN	32.3	36.5	37.2	40.6	44.5	48.6	52.1	53.2	50.7	46.1	39.1	37.9	43.3
	S.D.	11.415	7.660	6.812	5.881	5.141	5.842	4.817	4.745	6.158	6.292	8.748	7.624	9.640
	TOTAL OBS	651	591	651	630	651	630	651	651	630	651	630	649	7666
18-20	MEAN	31.8	36.2	37.2	40.3	44.3	49.1	52.9	54.1	51.5	46.5	38.7	37.0	43.4
	S.D.	11.214	7.346	6.384	5.999	5.241	5.448	4.440	4.357	5.961	6.165	8.491	7.567	9.864
	TOTAL OBS	650	589	651	628	651	630	651	651	630	651	630	648	7660
21-23	MEAN	31.6	36.0	37.6	40.5	44.4	48.8	52.7	54.0	52.2	46.6	38.4	36.7	43.3
	S.D.	10.977	7.227	6.081	5.291	4.632	5.042	4.025	4.099	4.848	5.437	8.352	7.757	9.681
	TOTAL OBS	631	591	651	630	651	630	651	651	630	651	630	648	7665
ALL HOURS	MEAN	31.6	35.9	37.4	40.4	44.5	48.7	52.2	53.5	51.6	46.4	38.6	37.3	43.2
	S.D.	11.155	7.456	6.233	5.319	4.705	5.077	4.189	4.191	5.043	5.507	8.235	7.540	9.558
	TOTAL OBS	5201	4724	5208	5037	5208	5037	5207	5208	5038	5204	5037	5199	61308

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229 PORTLAND IAP OR | 73-79 | JAN

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%		
JAN	00-02	100.0	100.0	100.0	98.6	93.5	86.6	81.8	68.2	37.5	82.2	650
	03-05	100.0	100.0	100.0	98.8	94.2	89.6	84.3	71.6	35.8	83.3	651
	06-08	100.0	100.0	100.0	98.3	94.1	89.2	83.2	72.2	36.4	83.3	648
	09-11	100.0	100.0	99.8	96.6	91.2	84.2	77.8	62.9	26.5	79.6	650
	12-14	100.0	100.0	99.5	95.5	84.9	74.8	64.0	40.9	12.9	73.0	650
	15-17	100.0	100.0	99.4	95.1	87.4	72.4	58.7	39.5	14.3	72.3	651
	18-20	100.0	100.0	100.0	97.4	92.9	85.1	71.7	53.7	22.8	77.7	680
	21-23	100.0	100.0	100.0	98.0	93.1	89.1	79.6	65.6	29.2	81.1	651
TOTALS		100.0	100.0	99.8	97.3	91.4	83.9	75.1	59.3	26.9	79.1	5201

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229 PORTLAND IAP OR 73-79 FEB

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%		
FEB	00-02	100.0	100.0	99.0	98.3	97.1	93.7	86.4	72.9	33.7	83.6	590
	03-05	100.0	100.0	99.0	98.0	97.0	95.1	86.5	75.0	35.7	84.4	591
	06-08	100.0	100.0	99.3	97.8	96.9	94.7	86.1	76.4	35.8	84.2	590
	09-11	100.0	99.7	99.0	97.5	94.8	89.7	78.5	54.3	18.4	79.2	591
	12-14	100.0	99.0	97.6	95.1	88.2	75.3	54.8	27.6	7.4	70.1	591
	15-17	100.0	99.3	97.3	92.7	85.1	68.2	48.9	25.4	6.8	68.2	591
	18-20	100.0	100.0	98.8	96.6	93.7	85.1	68.9	47.7	13.2	76.3	589
	21-23	100.0	100.0	99.0	98.1	94.9	90.7	80.2	63.1	23.2	80.7	591
TOTALS		100.0	99.8	98.6	96.8	93.5	86.6	73.8	55.3	21.8	78.3	4724

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229	PORTLAND IAP OR	73-79	MAR
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	98.5	96.6	93.4	85.7	61.8	15.1	80.6	651
	03-05	100.0	100.0	100.0	99.4	97.4	96.2	91.7	71.6	23.7	83.6	651
	06-08	100.0	100.0	100.0	99.5	97.8	96.6	91.7	73.0	25.7	84.1	651
	09-11	100.0	100.0	99.1	97.4	93.9	85.1	67.1	32.7	5.8	73.7	651
	12-14	100.0	100.0	96.6	90.8	75.1	52.4	31.5	13.4	2.2	61.7	651
	15-17	100.0	99.5	94.2	82.8	61.9	42.7	26.3	10.4	1.1	57.5	651
	18-20	100.0	100.0	98.0	93.1	82.2	62.7	39.8	17.8	3.5	65.5	651
	21-23	100.0	100.0	99.5	98.0	94.6	87.6	71.4	36.3	6.5	75.1	651
TOTALS		100.0	99.9	98.4	94.9	87.8	77.1	63.2	39.6	10.5	72.7	5208

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229 PORTLAND IAP OR 73-79 APR

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%		
APR	00-02	100.0	100.0	99.7	99.5	98.9	96.7	85.6	52.4	12.2	80.4	630
	03-05	100.0	100.0	100.0	100.0	99.5	98.9	95.1	72.8	21.8	84.4	629
	06-08	100.0	100.0	100.0	99.5	99.4	98.3	92.5	65.2	18.3	83.0	630
	09-11	100.0	100.0	99.8	99.2	94.1	78.4	46.0	16.7	2.2	68.9	630
	12-14	100.0	100.0	97.8	90.2	67.8	40.2	20.5	7.6	.5	58.1	630
	15-17	100.0	99.8	94.1	76.0	53.7	36.5	22.7	8.7	1.3	54.7	630
	18-20	100.0	100.0	97.8	89.8	71.2	51.6	33.6	16.6	4.1	62.2	628
	21-23	100.0	100.0	99.5	98.6	94.4	83.3	58.1	31.0	8.4	73.0	630
TOTALS		100.0	100.0	98.6	94.1	84.9	73.0	56.8	33.9	8.6	70.6	5037

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (PERIOD) MAY (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.8	99.1	94.8	79.4	36.9	7.8	77.5	651
	03-05	100.0	100.0	100.0	99.8	99.4	97.7	91.6	61.4	14.7	82.4	651
	06-08	100.0	100.0	100.0	100.0	99.4	95.5	79.7	44.1	8.4	78.4	651
	09-11	100.0	100.0	99.4	98.0	90.3	60.4	30.3	7.8	.9	64.3	651
	12-14	100.0	99.7	96.3	84.3	58.4	30.1	14.0	6.5	.2	54.6	651
	15-17	100.0	99.2	89.9	71.3	48.2	28.6	18.3	7.1	.2	51.7	651
	18-20	100.0	99.4	95.9	84.3	62.8	40.7	25.7	15.5	1.7	58.3	651
	21-23	100.0	100.0	99.8	98.5	92.5	77.0	48.2	22.1	5.5	69.9	651
TOTALS		100.0	99.8	97.7	92.0	81.3	65.6	48.4	25.2	4.9	67.1	5208

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (PERIOD) JUN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.5	98.3	90.3	65.5	15.9	2.4	73.3	629
	03-05	100.0	100.0	100.0	100.0	100.0	98.4	87.6	39.6	4.0	79.0	629
	06-08	100.0	100.0	100.0	99.8	99.0	93.0	67.6	20.5	2.1	73.8	629
	09-11	100.0	99.8	99.7	96.3	79.2	46.7	17.6	4.9	.2	60.5	630
	12-14	100.0	99.7	96.0	76.2	43.3	19.8	10.5	3.8		50.6	630
	15-17	100.0	99.5	87.5	58.3	31.1	15.7	10.0	3.3	.3	46.1	630
	18-20	100.0	99.8	95.6	78.3	53.0	28.1	14.6	4.9	.6	53.4	630
	21-23	100.0	100.0	99.8	98.1	89.0	68.4	31.1	11.0	1.3	65.7	630
TOTALS		100.0	99.9	97.3	86.3	74.1	57.5	38.1	13.0	1.4	62.8	5037

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229 | PORTLAND IAP OR | 73-79 | JUL
STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	98.2	88.6	60.7	12.7	.6	72.2	651
	03-05	100.0	100.0	100.0	100.0	99.8	97.8	81.3	33.9	3.8	78.0	651
	06-08	100.0	100.0	100.0	100.0	99.7	93.4	64.8	18.9	1.1	73.8	650
	09-11	100.0	100.0	99.8	96.3	78.3	40.4	13.1	2.8	.2	59.0	651
	12-14	100.0	99.5	95.1	69.4	35.9	12.0	3.8	1.1		47.3	651
	15-17	100.0	96.3	83.7	53.9	21.8	9.1	3.8	1.1		42.7	651
	18-20	100.0	99.5	94.2	74.8	48.1	19.5	7.5	3.2		50.5	651
	21-23	100.0	100.0	100.0	98.0	88.5	62.8	23.2	6.1		63.6	651
TOTALS		100.0	99.9	96.6	86.6	71.3	53.0	32.3	10.0	.7	60.9	5207

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229	PORTLAND IAP OR	73-79	AUG
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.7	99.2	95.1	72.2	25.7	3.2	75.7	651
	03-05	100.0	100.0	100.0	100.0	100.0	99.1	90.3	50.1	5.8	80.8	651
	06-08	100.0	100.0	100.0	100.0	99.7	96.8	84.6	40.9	4.9	78.9	651
	09-11	100.0	100.0	99.8	97.5	89.4	64.4	29.8	8.4	.3	64.9	651
	12-14	100.0	99.5	95.2	81.1	50.7	24.1	9.4	3.8		52.0	651
	15-17	100.0	98.0	88.2	61.8	33.5	20.9	10.4	5.4		47.5	651
	18-20	100.0	99.7	97.2	86.0	61.9	34.6	15.7	9.4	.2	56.1	651
	21-23	100.0	100.0	100.0	98.9	94.6	77.7	37.0	14.3	.9	68.3	651
TOTALS		100.0	99.7	97.6	90.6	78.6	64.1	43.7	19.8	1.9	65.5	5208

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

3

RELATIVE HUMIDITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (PERIOD) SEP (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	98.7	97.9	96.3	86.2	53.3	15.1	80.8	630
	03-05	100.0	100.0	100.0	99.2	98.6	98.6	94.8	73.7	23.3	85.1	630
	06-08	100.0	100.0	100.0	99.7	99.2	98.1	91.6	69.4	21.0	84.2	630
	09-11	100.0	99.8	96.8	92.1	85.2	69.6	42.6	17.5	3.3	66.5	629
	12-14	100.0	96.0	85.2	76.0	56.3	31.5	12.9	5.1	1.0	52.0	629
	15-17	100.0	93.5	80.6	66.8	45.9	25.4	11.9	5.1	.3	48.8	630
	18-20	100.0	98.4	91.7	84.8	71.7	50.6	28.7	12.7	2.4	60.0	630
	21-23	100.0	100.0	99.0	96.5	94.0	83.3	62.5	28.3	5.1	73.1	630
TOTALS		100.0	98.5	94.2	89.2	81.1	69.2	53.9	33.1	9.9	68.8	5038

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229	PORTLAND IAP OR	73-79	OCT
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	99.7	98.8	98.3	97.7	94.3	80.0	36.6	86.6	650
	03-05	100.0	100.0	100.0	99.5	99.1	98.9	97.4	88.8	52.6	89.7	650
	06-08	100.0	100.0	100.0	99.5	99.1	98.9	98.2	89.2	55.4	90.0	650
	09-11	100.0	99.8	98.3	96.2	94.0	87.9	71.1	43.0	12.4	76.3	651
	12-14	100.0	98.9	93.1	87.1	77.2	55.8	34.8	12.2	2.2	61.8	650
	15-17	100.0	98.9	90.9	83.1	69.3	47.5	28.6	12.0	2.6	59.0	651
	18-20	100.0	99.8	96.0	93.7	88.9	80.5	63.1	29.6	6.5	71.6	651
	21-23	100.0	100.0	98.6	97.7	96.0	93.7	87.6	61.8	18.1	81.4	651
TOTALS		100.0	99.7	97.1	94.5	90.2	82.6	71.9	52.1	23.3	77.1	5204

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229	PORTLAND IAP OR	73-79	NOV
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.5	97.9	94.6	88.4	78.7	44.8	86.4	629
	03-05	100.0	100.0	100.0	99.5	98.9	95.4	89.5	79.8	49.4	87.4	630
	06-08	100.0	100.0	100.0	99.5	98.9	95.1	88.9	81.1	45.2	87.2	630
	09-11	100.0	100.0	99.8	99.0	96.0	88.9	78.7	58.9	26.6	80.8	628
	12-14	100.0	100.0	98.6	96.8	87.3	74.8	57.1	32.2	10.3	71.6	630
	15-17	100.0	100.0	98.7	96.5	89.7	75.7	59.4	34.8	10.0	72.1	630
	18-20	100.0	100.0	100.0	98.4	97.5	86.5	75.1	57.3	21.4	79.5	630
	21-23	100.0	100.0	100.0	98.6	97.0	92.1	81.9	67.9	31.3	82.9	630
TOTALS		100.0	100.0	99.3	98.5	95.4	87.9	77.4	61.3	29.9	81.0	5037

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229 (STATION) PORTLAND IAP OR (STATION NAME) 73-79 (PERIOD) DEC (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%		
DEC	00-02	100.0	100.0	100.0	100.0	100.0	97.4	90.6	79.3	46.1	87.4	651
	03-05	100.0	100.0	100.0	100.0	99.5	96.9	91.6	82.2	48.4	88.0	651
	06-08	100.0	100.0	100.0	100.0	100.0	97.4	92.0	81.8	48.9	88.1	650
	09-11	100.0	100.0	100.0	100.0	99.8	94.9	89.6	72.5	34.7	85.1	651
	12-14	100.0	100.0	100.0	100.0	97.2	89.2	78.3	51.3	18.1	79.1	651
	15-17	100.0	100.0	100.0	99.8	98.0	90.8	77.5	52.5	19.6	79.4	649
	18-20	100.0	100.0	100.0	100.0	98.9	94.3	84.4	68.4	31.0	83.6	648
	21-23	100.0	100.0	100.0	100.0	98.6	94.9	86.1	73.3	39.8	85.4	648
TOTALS		100.0	100.0	100.0	100.0	99.0	94.5	86.3	70.2	35.8	84.5	5199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24229	PORTLAND IAP OR	73-79	ALL
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%		
JAN	ALL	100.0	100.0	99.8	97.3	91.4	83.9	75.1	59.3	26.9	79.1	5201
FEB		100.0	99.8	98.6	96.8	93.5	86.6	73.8	55.3	21.8	78.3	4724
MAR		100.0	99.9	98.4	94.9	87.4	77.1	63.2	39.6	10.5	72.7	5208
APR		100.0	100.0	98.6	94.1	84.9	73.0	56.8	33.9	8.6	70.6	5037
MAY		100.0	99.8	97.7	92.0	81.3	65.6	48.4	25.2	4.9	67.1	5208
JUN		100.0	99.9	97.3	88.3	74.1	57.5	38.1	13.0	1.4	62.8	5037
JUL		100.0	99.4	96.6	86.6	71.3	53.0	32.3	10.0	.7	60.9	5207
AUG		100.0	99.7	97.6	90.6	78.6	64.1	43.7	19.8	1.9	65.5	5208
SEP		100.0	98.5	94.2	89.2	81.1	69.2	53.9	33.1	8.9	68.8	5038
OCT		100.0	99.7	97.1	94.5	90.2	82.6	71.9	52.1	23.3	77.1	5204
NOV		100.0	100.0	99.6	98.5	95.4	87.9	77.4	61.3	29.9	81.0	5077
DEC		100.0	100.0	100.0	100.0	99.0	94.5	86.3	70.2	35.8	84.5	5199
TOTALS		100.0	99.7	98.0	93.6	85.7	74.6	60.1	39.4	14.6	72.4	61308

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

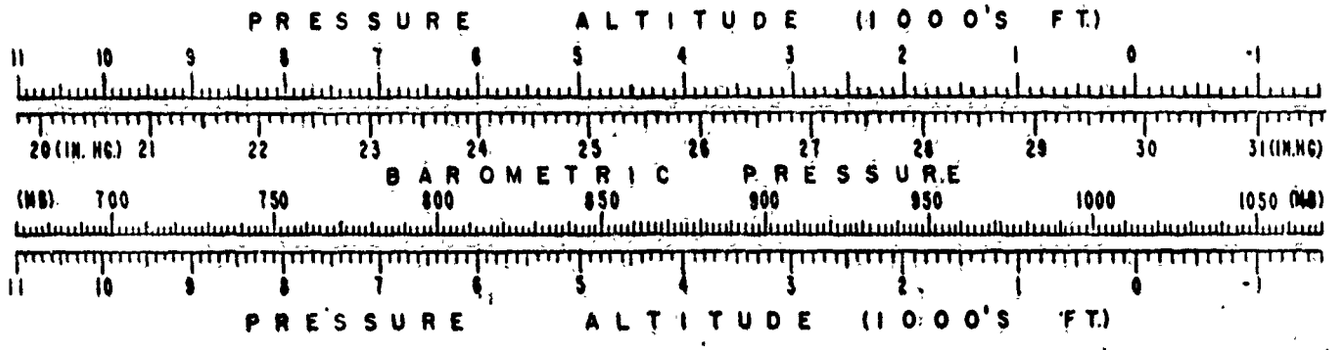
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided 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.



74-29967

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

24229 — STATION
PORTLAND IAP OR — STATION NAME
73-79 — YEARS

HRS (L S T.)		JAN	FEB	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	30.089	30.023	29.995	30.059	30.045	30.041	30.017	29.995	29.989	30.052	30.058	30.088	30.038
	S.D.	.248	.249	.209	.190	.148	.117	.101	.104	.146	.183	.224	.256	.191
	TOTAL OBS	216	197	217	209	217	209	217	217	210	215	209	217	2550
04	MEAN	30.075	30.007	29.972	30.042	30.033	30.032	30.010	29.986	29.977	30.033	30.044	30.072	30.024
	S D.	.251	.252	.217	.192	.150	.118	.102	.105	.149	.186	.227	.255	.194
	TOTAL OBS	217	196	217	210	216	210	217	217	210	217	210	217	2554
07	MEAN	30.085	30.021	29.997	30.071	30.065	30.060	30.044	30.019	30.009	30.058	30.063	30.087	30.048
	S. D.	.255	.256	.223	.194	.151	.121	.103	.107	.153	.190	.225	.253	.195
	TOTAL OBS	217	196	217	210	217	209	216	217	210	217	210	217	2553
10	MEAN	30.095	30.027	30.002	30.062	30.050	30.044	30.029	30.009	30.006	30.061	30.072	30.098	30.046
	S. D.	.255	.259	.222	.197	.146	.120	.101	.106	.152	.193	.224	.249	.195
	TOTAL OBS	217	197	215	210	216	210	217	217	210	217	210	217	2553
13	MEAN	30.081	30.019	29.996	30.052	30.041	30.034	30.015	29.995	29.992	30.044	30.060	30.092	30.035
	S.D.	.252	.256	.215	.189	.142	.119	.103	.106	.146	.186	.221	.242	.191
	TOTAL OBS	216	197	217	209	217	210	217	215	209	217	208	217	2549
16	MEAN	30.055	29.984	29.959	30.012	30.002	29.993	29.968	29.945	29.947	30.011	30.034	30.075	29.999
	S.D.	.244	.251	.206	.184	.138	.120	.104	.109	.143	.175	.219	.237	.188
	TOTAL OBS	217	197	217	210	217	210	217	217	210	217	210	216	2555
19	MEAN	30.068	30.004	29.976	30.023	30.008	30.000	29.974	29.950	29.958	30.031	30.050	30.092	30.011
	S.D.	.245	.247	.206	.181	.140	.118	.102	.106	.141	.173	.221	.241	.188
	TOTAL OBS	217	197	215	210	216	210	216	217	208	217	210	216	2549
22	MEAN	30.062	30.002	29.984	30.039	30.024	30.019	29.994	29.967	29.971	30.033	30.044	30.085	30.019
	S.D.	.246	.247	.206	.183	.144	.117	.101	.106	.143	.179	.224	.249	.189
	TOTAL OBS	217	197	217	210	217	210	217	217	210	217	210	216	2555
ALL HOURS	MEAN	30.076	30.011	29.985	30.045	30.034	30.028	30.006	29.983	29.981	30.040	30.053	30.086	30.028
	S.D	.249	.252	.213	.190	.146	.121	.105	.109	.148	.183	.223	.247	.192
	TOTAL OBS	1734	1574	1732	1678	1733	1678	1734	1734	1677	1734	1677	1733	20419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

24229 — STATION
PORTLAND IAP OR — STATION NAME
73-79 — YEARS

HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	1019.8	1017.6	1016.7	1018.8	1018.4	1018.2	1017.4	1016.7	1016.5	1018.6	1018.8	1019.8	1018.1
	S.D.	8.462	8.412	7.072	6.432	5.009	3.993	3.401	3.524	4.967	6.191	7.596	8.638	6.485
	TOTAL OBS	217	197	217	210	217	210	217	217	210	216	210	217	2555
04	MEAN	1019.8	1017.5	1016.4	1018.7	1018.4	1018.4	1017.7	1016.8	1016.5	1018.4	1018.7	1019.7	1018.1
	S.D.	8.492	8.534	7.346	6.497	5.115	4.027	3.427	3.550	5.058	6.234	7.668	8.657	6.560
	TOTAL OBS	217	197	217	210	217	210	217	217	210	217	210	217	2556
07	MEAN	1019.7	1017.6	1016.8	1019.3	1019.1	1018.9	1018.3	1017.5	1017.2	1018.8	1019.0	1019.8	1018.5
	S.D.	8.646	8.631	7.561	6.562	5.093	4.102	3.448	3.604	5.189	6.413	7.617	8.536	6.602
	TOTAL OBS	217	197	217	210	217	210	217	217	210	216	210	217	2555
10	MEAN	1020.5	1018.2	1017.4	1019.4	1019.0	1018.8	1018.3	1017.6	1017.5	1019.3	1019.7	1020.6	1018.9
	S.D.	8.649	8.780	7.488	6.594	4.957	4.072	3.429	3.559	5.144	6.538	7.579	8.439	6.609
	TOTAL OBS	217	197	217	210	217	210	217	217	210	217	210	217	2556
13	MEAN	1019.7	1017.5	1016.7	1018.6	1018.2	1018.0	1017.4	1016.6	1016.5	1018.4	1018.9	1020.0	1018.0
	S.D.	8.530	8.671	7.255	6.389	4.780	4.028	3.496	3.624	4.952	6.332	7.490	8.175	6.477
	TOTAL OBS	217	197	217	210	217	210	217	217	209	217	210	217	2555
16	MEAN	1019.1	1016.8	1015.9	1017.7	1017.3	1017.1	1016.2	1015.4	1015.5	1017.7	1018.4	1019.8	1017.2
	S.D.	8.267	8.523	6.977	6.228	4.699	4.068	3.535	3.655	4.855	5.911	7.438	7.997	6.375
	TOTAL OBS	217	197	217	210	217	210	217	217	210	217	210	216	2555
19	MEAN	1019.2	1017.0	1016.0	1017.6	1017.2	1016.9	1015.9	1015.2	1015.5	1017.9	1018.6	1020.0	1017.2
	S.D.	8.292	8.347	6.939	6.148	4.703	4.013	3.457	3.573	4.796	5.874	7.456	8.107	6.367
	TOTAL OBS	217	197	217	210	217	210	217	217	210	217	210	216	2555
22	MEAN	1019.4	1017.4	1016.7	1018.6	1018.1	1017.9	1017.1	1016.2	1016.3	1018.4	1018.8	1020.1	1017.9
	S.D.	8.336	8.347	6.978	6.205	4.893	3.972	3.410	3.580	4.853	6.072	7.563	8.448	6.404
	TOTAL OBS	217	197	217	210	217	210	217	217	210	217	210	216	2555
ALL HOURS	MEAN	1019.7	1017.4	1016.6	1018.6	1018.2	1018.0	1017.3	1016.5	1016.4	1018.4	1018.9	1020.0	1018.0
	S.D.	8.454	8.522	7.205	6.399	4.940	4.085	3.538	3.668	5.011	6.206	7.545	8.365	6.505
	TOTAL OBS	1736	1576	1736	1680	1736	1680	1736	1736	1679	1734	1680	1733	20942

USAF ETAC FORM OCT 75 0-89-5 (OL A)