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REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

SEATTLE WASHINGTON FWC — WBAN #24244
N 47 41 W 122 16 ELEV 47 FT. KNEJ — WMO #

PARTS A-F
POR FROM HOURLY OBS MAR 45-DEC 48
POR FROM DAILY OBS MAR 45-DEC 68

AUG 28 1970

FEDERAL BUILDING
ASHEVILLE, N. C.

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

Susan V. Berry

SUSAN V. BERRY, 2 Lt, USAF
Information Retrieval
Manager

FOR THE COMMANDER

Walter S. Burgmann

WALTER S. BURGMANN
Scientific & Technical
Information Officer

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER USAFETAC/DS- 79/076	2 GOVT ACCESSION NO	3. RECIPIENT'S CATALOG NUMBER
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Seattle FWS, Washington		5 TYPE OF REPORT & PERIOD COVERED Final rept. 6 PERFORMING ORG REPORT NUMBER
7 AUTHOR(s)		8 CONTRACT OR GRANT NUMBER(s)
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11 CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		12 REPORT DATE 28 Aug 70 13 NUMBER OF PAGES p.
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17 DISTRIBUTION STATEMENT (of the abstract entered in block 20, if different from Report)

18 SUPPLEMENTARY NOTES

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

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

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

This report is a six-part statistical summary of surface weather observations for Seattle FWC, Washington

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

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

* Wasnington *

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 occurrence or cumulative percentage frequency of occurrence tables.

REVISED

UNIFORM SUMMARY

OF

SURFACE WEATHER OBSERVATIONS

STA NO.	STATION NAME	LATITUDE	LONGITUDE	ELEV FT. ST.	CALL SIGN WBAN NO.
24244	SEATTLE WASHINGTON R/C	N 47 41	W 122 16	27	KBFI

PERIOD OF RECORD

FOR HOURLY OBSERVATIONS: APR 49-DEC 68

FOR DAILY OBSERVATIONS: MAR 49-DEC 68

SUMMARIES

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, AND MEAN TEMPERATURES
EXTREME MAX AND MIN TEMPERATURES
PSYCHROMETRIC- DRY VS WET BULB
MEANS & STD DEV- DRY BULB, WET BULB, AND DEW POINT
RELATIVE HUMIDITY

PART F — STATION PRESSURE
SEA LEVEL PRESSURE

FORM 0-24-6-01-11 OCT 66 SPECIAL SUMMARY USAF ETAC

STATION NO. ON SUMMARY:	STATION NAME:	LATITUDE:	LONGITUDE:	ELEV. (FT.)	CALL SIGN:	WMO NUMBER
24244	Seattle, Washington	47° 41'N	122° 16'W	Field STN 37 47	KNEJ	—

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME Barometer	TYPE OF STATION	AT THIS LOCATION FROM	AT THIS LOCATION TO	LATITUDE	LONGITUDE	ELEVATION ABOVE MSL (FT)	ELEVATION ABOVE MSL TYPE BAROMETER	OBS PER DAY
1.	Second deck of Operations Building (#264)	Navy	Unkn	Jan 1968	47° 41'N	122° 16'W	49.9	mercurial	2+
1a.	Weather service office	Navy	Unkn	—	47° 41'N	122° 16'W	—	aneroid	2+

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION LOCATION Transmitter	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE MSL	REMARKS, ADDITIONAL EQUIPMENT
1.	Installed	Roof of control tower	selsyn	triple	122'	1. Barograph (AERO-1932-USN) 2. Max & Min air therm. (Townsend) 3. Hygrothermograph (AERO-1932-USN) 4. Ceiling light (ML-121) 5. Cloud height set (GMQ-13B) 6. Theodolite (shore type) 7. Radiosonde/Rawinsonde set (AN/FMQ-2A)
2.	Installed	Roof of control tower	UMQ-5	RD-108	102'	
3.	Unkn	1500' east of Bldg. #264	UMQ-5	RD-108B	47'	

CONTINUED ON REVERSE SIDE

NWSED, Federal Building
Asheville, N. C.

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

Revised
UNIFORM SUMMARY
of
SURFACE WEATHER OBSERVATIONS

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.

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

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.)

STANDARD 3-HOUR GROUPS All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

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 _____

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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.

Occurrences of 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 - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

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 total columns.

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.

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

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

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ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244 (STATION) SEATTLE WASHINGTON FAC (STATION NAME) 46-68 (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.
JA	00-02		21.2	.0	3.0		23.7	14.9	3.0			14.9	2009
	03-05		22.3	.2	2.3		24.4	14.7	2.4			16.4	2010
	06-08		23.4	.3	3.5		26.6	15.2	2.3			16.5	2015
	09-11		21.0	.2	4.3		25.0	16.4	5.6			20.7	2013
	12-14		21.5		4.1		25.5	12.7	7.6			17.0	2012
	15-17		22.5		3.6		25.5	12.1	8.0	.2		18.7	2011
	18-20		21.6		3.1		24.4	10.7	6.1	.1		15.3	2014
	21-23		21.4		3.1		24.2	13.7	4.1	.1		16.3	2014
TOTALS			21.9	.1	3.4		24.9	13.8	4.9	.1		17.5	16100

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JULY 64

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WEATHER CONDITIONS

29244 STATION | SEATTLE WASHINGTON INT'L STATION NAME | 46-68 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		22.2		1.4		23.3	12.2	5.0			15.7	1836
	03-05		22.6		2.1		24.4	14.2	4.2			16.7	1839
	06-08		20.8		2.4	.1	22.7	17.1	3.6			19.6	1838
	09-11		17.4		2.2		19.2	15.7	7.3			21.8	1837
	12-14	.1	19.6		1.9	.1	21.0	8.7	8.1			15.9	1838
	15-17		20.9		2.0		22.7	8.4	7.5			14.9	1838
	18-20	.1	20.9	.1	1.6	.1	22.5	6.9	7.1			13.1	1838
	21-23	.1	20.6		1.1		21.5	6.5	5.3			11.2	1838
TOTALS		.0	20.6	.0	1.8	.0	22.2	11.2	6.0			16.1	1470

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WEATHER CONDITIONS

24244 STATION | SEATTLE [illegible] STATION NAME | [illegible]-68 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.
[illegible]	00-02	.1	18.7	.1	1.2		19.5	7.3	2.6			9.2	2015
	03-05	.1	20.4	.2	1.4		21.5	11.6	2.6			13.1	2014
	06-08	.2	21.1	.1	1.5		22.3	16.1	4.0			18.5	2015
	09-11	.1	16.6	.1	1.2	.1	17.9	10.1	7.0	.0		15.5	2015
	12-14	.2	17.1	.1	.5	.1	18.6	4.3	6.1	.1		9.7	2015
	15-17	.1	18.9	.1	1.2		19.9	3.4	4.2			7.1	2015
	18-20	.1	16.9	.1	1.1	.1	20.0	3.8	4.1			7.5	2015
	21-23	.1	17.3	.3	1.4		18.7	3.4	3.3			3.9	2014
TOTALS		.1	18.6	.2	1.3	.0	19.8	7.5	4.2	.0		10.8	10118

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WEATHER CONDITIONS

24244 (STATION) SEATTLE WASHINGTON INTC (STATION NAME) 46-68 (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		14.3				14.3	4.6	1.5			5.8	1950
	03-05		14.4		.1		14.5	9.8	2.1			11.2	1950
	06-08		14.8		.1		14.8	14.8	3.9			17.3	1950
	09-11		12.7		.1		12.7	5.2	6.9			11.7	1950
	12-14	.1	13.2				13.2	2.1	5.4			7.2	1950
	15-17	.3	14.9		.1	.2	14.9	1.1	2.8			3.8	1949
	18-20	.3	16.3		.1	.2	16.3	1.3	2.6			3.9	1950
	21-23		15.2		.1		15.3	1.5	2.0			3.3	1949
TOTALS		.1	14.5		.1	.0	14.5	5.0	3.4			8.1	15595

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WEATHER CONDITIONS

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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		10.4				10.4	1.3	1.2			2.4	2108
	03-05	.1	11.8				11.8	6.9	2.3			8.6	2108
	06-08		11.6				11.6	8.9	5.2			13.3	2108
	09-11	.0	9.4				9.4	3.6	5.5			8.4	2108
	12-14	.1	8.9				8.9	1.7	4.3			5.7	2108
	15-17	.4	10.6				10.6	.9	2.1			3.0	2108
	18-20	.4	11.0				11.0	1.4	2.0			3.4	2107
	21-23	.3	10.7				10.7	1.2	1.3			2.5	2107
TOTALS		.2	10.5				10.5	3.2	3.0			5.9	16862

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WEATHER CONDITIONS

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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 OBS TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.0	10.9				10.9	1.9	.3			1.7	2040
	03-05	.0	12.4				12.4	5.8	1.4			6.9	2040
	06-08		12.1				12.1	6.8	3.7			10.3	2040
	09-11		10.0				10.0	3.3	5.2			8.5	2040
	12-14	.1	9.9				9.9	1.8	3.6			5.2	2040
	15-17	.1	9.8				9.8	.9	2.0			2.8	2039
	18-20	.0	10.1				10.1	1.5	1.7			3.1	2040
	21-23	.0	10.8				10.8	.9	1.0			1.9	2037
TOTALS		.1	10.8				10.8	2.9	2.4			5.1	16316

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ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-68 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	.1	4.4				4.4	1.1	.6			1.7	2169
	03-05	.1	6.3				6.3	4.1	1.2			5.3	2169
	06-08	.0	5.7				5.7	7.2	3.3			10.4	2168
	09-11		5.3				5.3	3.6	6.7		.0	10.1	2169
	12-14		3.6				3.6	1.1	5.3			6.4	2169
	15-17	.0	4.1				4.1	.5	2.6			3.1	2170
	18-20	.0	3.3				3.3	.4	2.0			2.4	2167
	21-23	.1	3.9				3.9	.5	.9			1.4	2166
TOTALS		.1	4.6				4.6	2.3	2.8		.0	5.1	17347

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WEATHER CONDITIONS

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-68 YEARS | AUG 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	.0	6.5				6.5	3.0	2.5			5.1	2169
	03-05	.1	6.9				6.8	10.6	2.9			12.6	2170
	06-08	.0	8.8				8.8	18.2	6.2			23.5	2170
	09-11		6.1				6.1	8.7	12.4			19.8	2170
	12-14	.1	4.5				4.5	3.1	9.9			12.1	2170
	15-17	.2	4.9				4.9	1.3	4.9			6.2	2170
	18-20	.2	4.7				4.7	1.6	4.4			5.9	2170
	21-23	.0	5.4				5.4	1.3	3.5			4.5	2170
TOTALS		.1	6.0				6.0	6.0	5.8			11.2	17359

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ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244 SEATTLE WASHINGTON FWC 45-68 - SEP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.0	6.0				8.0	13.1	6.6			17.3	2100
	03-05	.0	9.2				9.2	26.4	6.6			29.1	2100
	06-08	.0	10.2				10.2	40.2	9.3			45.1	2100
	09-11	.0	8.3				8.3	21.0	17.0			34.8	2100
	12-14	.1	7.2				7.2	6.8	18.5			23.9	2100
	15-17	.2	7.0				7.0	3.4	12.1			15.0	2100
	18-20	.4	8.4				8.4	3.4	11.2			14.1	2100
	21-23	.0	9.0				9.0	5.3	8.5			12.5	2098
TOTALS		.1	8.4				8.4	15.0	11.2			24.0	16798

1210 WS FORM 0-10-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JULY 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244 STATION | SEATTLE WASHINGTON FNC STATION NAME | 45-68 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		13.2				13.2	23.5	8.0			28.8	2170
	03-05		14.7	.0			14.7	30.9	4.8			33.7	2170
	06-08		16.5				16.5	35.4	4.8			38.1	2170
	09-11		15.8				15.8	23.4	11.6			32.6	2170
	12-14	.0	14.4				14.4	8.8	16.0			23.1	2170
	15-17	.2	16.6				16.6	6.3	15.6			20.5	2170
	18-20	.2	15.5				15.5	8.2	14.3			20.3	2170
	21-23	.1	14.2				14.2	13.3	10.9			21.2	2167
TOTALS		.1	15.1	.0			15.1	18.7	10.8			27.3	17357

1210 WS FORM 0-10-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JULY 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) NOV (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	.0	22.8		.2		23.0	21.2	3.1			22.9	2099
	03-05		24.1		.4		24.4	23.6	2.9			25.0	2100
	06-08		23.4	.1	.7		24.0	25.2	2.8			26.7	2100
	09-11		20.6		.6		21.1	21.3	7.2			26.8	2100
	12-14	.1	23.8		.9	.1	24.3	13.6	10.0			21.6	2100
	15-17	.1	24.3		.5	.1	24.6	11.3	11.6			21.5	2100
	18-20	.1	23.0		.3		23.2	11.7	9.3			19.3	2100
	21-23	.1	23.1		.4		23.4	15.8	6.5			20.1	2095
TOTALS		.1	23.1	.0	.5	.0	23.5	18.0	6.7			23.0	16794

1210 WS FORM 0-10-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JULY 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 49-68 (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		22.9		1.2		23.9	16.6	1.7			17.7	2170
	03-05		25.2		1.7	.1	26.7	16.4	1.5			17.3	2170
	06-08		26.9		2.2		28.6	15.9	1.5			16.9	2170
	09-11	.0	24.4		1.8	.1	26.0	17.8	4.8			21.6	2167
	12-14	.1	22.4	.0	2.1	.0	24.3	13.8	7.3			19.9	2167
	15-17	.1	21.8		1.4	.0	22.9	11.7	7.3			18.5	2169
	18-20	.0	22.3		1.1	.0	23.2	11.1	4.0			14.8	2167
	21-23		21.8		1.1	.1	22.7	14.5	2.4			16.3	2169
TOTALS		.0	23.4	.0	1.6	.1	24.8	14.7	3.8			17.9	17349

1210 WS FORM 0-10-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JULY 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-65 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		21.9	.1	3.4		24.9	13.8	4.9	.1		17.5	16100
FEB		.0	20.6	.0	1.8	.0	22.2	11.2	6.0			16.1	14704
MAR		.1	18.6	.2	1.3	.0	19.8	7.3	4.2	.0		10.8	16115
APR		.1	14.5		.1	.0	14.5	5.0	3.4			8.1	15598
MAY		.2	10.5				10.5	3.2	3.0			5.9	16862
JUN		.1	10.8				10.8	2.8	2.4			5.1	16316
JUL		.1	4.6				4.6	2.3	2.8		.0	5.1	17347
AUG		.1	6.0				6.0	6.0	5.8			11.2	17359
SEP		.1	8.4				8.4	15.0	11.2			24.0	16798
OCT		.1	15.1	.0			15.1	18.7	10.8			27.3	17357
NOV		.1	23.1	.0	.3	.0	23.5	15.0	6.7			23.0	16794
DEC		.0	23.4	.0	1.6	.1	24.8	14.7	3.8			17.9	17349
TOTALS		.1	14.7	.0	.7	.0	15.3	9.9	5.4	.0	.0	14.4	198702

1210 WS FORM 0-10-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JULY 64

PART A ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms 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 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 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 columns may not equal the total columns.

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

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

24244 STATION | SEATTLE WASHINGTON F&C STATION NAME | 45-68 YEARS | ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	.8	77.4	.4	18.8	.8	74.3	45.8	20.4	.4		53.5	712
FEB		1.5	77.3	.3	11.5	1.4	70.3	38.3	23.7			47.1	650
MAR		.9	78.7	.3	8.5	2.2	68.3	30.5	23.0	.3		39.9	744
APR		2.2	72.7		1.1	1.5	60.7	29.0	20.6			37.4	720
MAY		2.8	56.5			.8	47.2	19.4	16.3			28.9	744
JUN		1.9	55.2			.3	46.0	17.9	13.6			25.8	720
JUL		1.1	31.8				26.5	15.6	15.1			24.3	743
AUG		2.4	41.9			.1	34.9	31.7	29.0			44.2	744
SEP		2.4	46.7				38.9	57.1	40.8	.6		64.2	720
OCT		2.4	68.9			.8	57.4	54.3	39.1			61.2	744
NOV		1.7	82.7		3.1	.4	69.3	49.0	25.0			54.7	720
DEC		.3	86.8	.1	11.8	1.3	74.9	46.5	21.2			52.4	744
TOTALS		1.7	64.7	.1	4.6	.8	55.7	36.3	24.0	.1		44.5	8705

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

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24244 (STATION) SEATTLE, WASHINGTON AWC (STATION NAME) JAN 49 - DEC 68 (YEARS) JANUARY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.9	.7	.8	.1		4.0			15.9	4.4	2.7	.2		67.8
NNE	6.4	2.1	.2			6.9			9.2	5.0	2.1	.2		71.3
NE	10.7	.9	1.8	.1		3.7			17.4	4.0	3.3			64.2
ENE	13.7	.9	1.1			6.4			16.0	4.1	2.7			60.7
E	17.6	1.5	1.8		.3	7.9			11.2	4.1	3.1			59.0
ESE	25.7	2.5	2.2			8.3			8.3	1.9	3.8			53.0
SE	28.7	2.9	2.3			5.7			7.8	3.4	4.2			51.5
SSE	28.5	3.0	3.7	.1		4.4			9.3	1.9	3.5			52.5
S	25.9	3.2	2.3			2.1			5.4	1.7	1.8			62.0
SSW	20.8	4.8	2.1			1.6		.1	4.2	1.1	1.5			67.8
SW	20.8	4.6	1.7			2.9			6.3	1.5	2.3			66.1
WSW	16.5	9.9		.8		.8		.8	5.8	1.7	3.3			65.3
W	16.3	9.3				5.8			5.8	4.7	2.3			58.1
WNW	14.7	2.9				2.9			26.5	2.9	1.5			55.9
NW	8.5	.6	1.3	.3		3.8			13.2	6.9	3.8			67.9
NNW	5.7	.3	.8	.3	.1	3.3			11.8	5.6	2.5	.3		72.2
VARIABLE														
CALM	18.9	.7	2.9	.4		1.8			16.5	6.1	5.0			57.2
TOTAL	2729	350	287	16	3	508		2	1507	534	417	7		9277
% TOTAL	18.4	2.4	1.9	.1	.0	3.4		.0	10.2	3.6	2.8	.0		62.5

TOTAL NUMBER OF OBSERVATIONS 14,844

STOR% FREQ. WIND DIR. VS WEATHER JAN 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 – DEC 68 (YEARS) FEBRUARY (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NC WEATHER
N	4.6	1.1	.6			1.3			10.2	4.2	6.3			73.9
NNE	6.7	1.3	1.3			2.0			6.0	6.0	2.7			76.3
NE	10.5	1.4	.6		.4	2.3			11.1	6.6	4.5			67.2
ENE	16.5	1.5	.6			4.6			10.1	3.0	1.5			66.5
E	20.8	3.1	1.2	.2		4.7			11.6	3.1	5.1			57.0
ESE	25.8	3.0	1.3			5.4			7.7	1.7	3.7			56.9
SE	25.3	3.3	1.2			3.9		.2	7.9	1.8	6.9			53.6
SSE	28.6	3.1	1.5			2.6			7.6	1.4	3.5			58.8
S	22.1	3.7	1.8			1.4			6.1	1.7	2.6			65.9
SSW	20.5	5.0	1.2			.5	.1	.1	4.5	.9	1.4			70.0
SW	16.2	3.0	.8			2.5			4.8	1.5	3.3			70.5
WSW	24.1	2.3	2.3			2.3			6.9	1.1	1.1			64.4
W	17.4	6.5	1.1			1.1		1.1	14.1		7.6			57.6
WNW	5.9	2.9				2.9			11.8		2.9			76.5
NW	5.1	1.0	.8			2.0			8.8	3.5	7.8			73.5
NNW	4.2	1.1	.8			2.4		.1	6.8	4.9	3.2			79.0
VARIABLE														
CALM	13.7	1.6	2.0		.1	1.0		.1	10.6	6.0	3.4			63.4
TOTAL	2215	363	179	1	3	257	2	6	1059	424	487			9125
% TOTAL	16.4	2.7	1.3	.0	.0	1.9	.0	.0	7.8	3.1	3.6			67.4

TOTAL NUMBER OF OBSERVATIONS 13,547

5708-5 FREQ. WIND DIR. VS WEATHER 4 JAN 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) MARCH (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.2	1.6	.4	.3		1.0	.1	.3	7.3	5.2	3.7			79.0
NNE	9.6	1.0	.3	1.0		2.0		1.0	7.9	2.6	1.3			77.2
NE	6.8	1.6	.2	.5		2.3		.5	7.9	3.2	2.3			77.9
ENE	11.6	2.8	.6	.8		3.1		.8	6.5	2.0	1.1			74.5
E	21.1	1.6	.2	1.1		4.1	.2	1.1	6.6	1.6	3.0	.2		64.8
ESE	25.5	3.7	1.1	.4		5.5		.4	3.7	.4	3.0	.7		57.9
SE	26.6	4.0	1.5			2.3			3.3	.8	3.6			60.5
SSE	25.1	4.5	.9			.8			3.2	.9	4.2			63.0
S	18.0	5.6	.9			1.1	.1		3.8	.9	2.5			70.5
SSW	15.5	5.7	1.0			.9			2.5	.4	1.5			74.4
SW	13.4	5.1	.9			1.9			2.8	.2	2.3			74.4
WSW	12.1	6.7	.7		.7	.7			2.7	1.3	2.0			75.8
W	18.5	2.2				1.1			3.3	3.3	3.3			72.8
WNW	12.0	2.0				4.0			4.0					80.0
NW	3.1	1.5	.4			1.8			2.9	1.5	1.5			88.6
NNW	3.4	.8	.4	.3		1.1		.3	4.2	2.0	2.7			87.1
VARIABLE														
CALM	12.9	1.5	1.7	.2		.8		.1	9.5	4.6	4.1			68.2
TOTAL	2090	518	128	25	1	206	5	24	737	297	412	3		10670
% TOTAL	14.1	3.5	.9	.2	.0	1.4	.0	.2	5.0	2.0	2.8	.0		73.1

TOTAL NUMBER OF OBSERVATIONS 14,862

NAVWEASERVCOM

5706/5 FREQ. WIND VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24244 STATION — SEATTLE, WASHINGTON FWC STATION NAME — JAN 49 - DEC 68 YEARS — APRIL MONTH — ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.9	1.4	.2						3.5	3.3	2.4			86.6
NNE	9.1	1.8	.5			.3	.3	.3	3.8	2.5	1.0			82.2
NE	9.7	2.9	.4				.2	.4	5.5	2.3	1.2			81.1
ENE	8.4	4.2	.6			.6			3.0	.9	.9			83.8
E	16.9	3.7	.8			.3		.3	6.6	.5	1.9			72.5
ESE	14.8	4.3				.3			3.4	.6	3.1			75.3
SE	17.4	3.6	.9		.2	.2			2.7	.5	4.8			72.7
SSE	18.3	2.4	.8						4.8	.6	3.0			73.9
S	13.9	3.8	.9					.1	3.0	.8	2.3			76.6
SSW	11.8	5.3	.5					.1	3.1	.5	2.1			78.0
SW	11.0	6.5	.5						2.6	.5	3.3			77.5
WSW	14.6	8.5						1.2			.6			75.6
W	9.7	7.3						1.6	4.0		3.2			75.8
WNW	7.8								5.9					86.3
NW	4.4	1.8				.3		.3	3.8	1.8	1.5			86.5
NNW	2.7	1.0	.1					.1	3.5	1.2	1.4			90.7
VARIABLE														
CALM	7.2	1.7	.3			.1			5.0	5.0	3.0			80.0
TOTAL	1463	447	70		1	8	2	13	521	222	331			11562
% TOTAL	10.2	3.1	.5		.0	.1	.0	.1	3.6	1.5	2.3			80.3

TOTAL NUMBER OF OBSERVATIONS 14,394

SCI% FREQ. WIND DIR. VS WEATHER JAN 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.9	1.2	.3					.2	1.9	.6	1.0			93.7
NNE	2.9	3.7	.7						.7	.5	.5			90.8
NE	3.4	3.5	.8					.3	2.5	.5	.5			90.1
ENE	5.8	3.8	1.0				.2	.2	1.7	.6	.4			87.3
E	8.4	6.4	1.7						3.3	1.2	2.4			77.6
ESE	8.9	5.5						.3	1.7	.3	3.1			81.5
SE	11.1	2.3	1.2						2.7	.2	1.9			82.1
SSE	13.4	2.2	.6					.2	1.3	.5	2.1			80.3
S	10.7	3.6	1.2					.1	2.8	.9	1.8			80.8
SSW	10.6	4.0	.3					.2	1.7	.6	1.3			82.4
SW	9.6	4.5	.4					.7	2.5	.9	1.2			82.8
WSW	12.4	4.3						.5	3.2		1.1			80.5
W	2.4	6.5						.8	.8		4.9			84.6
WNW	5.0	5.0								1.7				88.3
NW	2.5	3.0	.5					.5	1.9	1.1	.5			90.7
NNW	1.1	1.4	.1						1.0	1.2	.7			94.7
VARIABLE														
CALM	6.2	1.1	.6						3.1	1.8	2.7			85.0
TOTAL	988	421	90				1	26	305	125	210			12867
% TOTAL	6.6	2.8	.6				.0	.2	2.1	.8	1.4			86.6

TOTAL NUMBER OF OBSERVATIONS 14,859

5708 FREQ WIND DIR. VS WEATHER JAN 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) JUNE (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.3	1.2	.9						1.5	.7	.7			93.8
NNE	3.3	1.6	1.3						2.1	.8	.5			92.3
NE	3.6	2.9	.7						2.3	.4	.4			90.8
ENE	6.6	1.9	.9						2.6	.2	1.4			87.7
E	13.3	3.3	1.1						4.1	.6	.6			80.9
ESE	12.9	1.8	.7						.7		1.1			83.5
SE	7.6	2.9	1.2						2.9	.2	3.5			81.7
SSE	8.8	3.9	.9						1.9	.9	2.9			82.9
S	7.5	4.6	1.6						2.7	.6	2.0			83.1
SSW	9.4	5.2	1.9					.3	3.0	.5	1.1			81.4
SW	4.4	4.8	1.7					.2	2.3	.6	1.4			85.6
WSW	7.8	6.8	.5						1.8		1.4			82.6
W	5.5	6.4	1.8					.9	3.7	.9	2.8			81.7
WNW	6.8	9.6							6.6		1.4			78.1
NW	4.6	2.5	.8						3.3	.5	.3			89.9
NNW	1.8	.7	.3					.2	1.2	.4	.9			95.1
VARIABLE														
CALM	5.6	2.4	1.3						2.9	2.6	2.1			85.5
TOTAL	817	435	162					9	325	95	196			12525
% TOTAL	5.7	3.0	1.1					.1	2.3	.7	1.4			87.5

TOTAL NUMBER OF OBSERVATIONS 14,319

5708% FREQ. WIND DIR. VS WEATHER JAN 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) JULY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.8	.5	.1					.1	.9	.4	.6			97.1
NNE	1.6	.8	.5					.1	1.5	.8	.5			94.5
NE	2.8	1.1	1.0						2.4	.8	.3			92.8
ENE	2.1	.4	2.1						2.6	.6	.6			92.4
E	5.3	.9	3.1						2.8	.9	1.2			86.6
ESE	9.0	.5	1.8						1.4		2.3			85.6
SE	1.7	.7	.2						.9	1.1	5.9			88.9
SSE	5.7	1.9	.6						1.7	1.3	6.3			81.9
S	5.1	2.3	.6					.1	1.6	1.4	3.4			86.1
SSW	4.6	4.3	1.3					.2	2.5	1.0	1.8			85.4
SW	2.8	2.3	1.8						3.5	1.3	1.5			87.8
WSW	4.6	3.5	.6					.6	1.7		3.5			86.1
W	1.8	6.3							3.6		3.6		.9	82.8
WNW		3.1							3.1					93.8
NW	.9	.7	.4						3.1	.6	.9			93.7
NNW	.4	.1							.8	.6	.7			97.6
VARIABLE														
CALM	2.0	.9	.6					.1	1.0	1.9	3.1			90.4
TOTAL	377	194	94					10	22	127	262		1	13569
% TOTAL	2.5	1.3	.6					.1	1.6	.9	1.8		.0	91.7

TOTAL NUMBER OF OBSERVATIONS 14,794

5708*, FREQ. WIND DIR. VS WEATHER JAN 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24244	SEATTLE, WASHINGTON FWC	JAN 49 - DEC 68	AUGUST	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.1	.6	.2					.0	1.5	.9	2.4			93.4
NNE	.8	1.1	.6					.1	2.5	1.5	2.4			91.3
NE	1.6	1.0	1.2						4.2	1.9	2.4			88.4
ENE	2.9	1.3	.4					.2	2.0	3.1	2.7			87.7
E	4.2	2.0	1.4					.6	3.7	3.9	3.1			82.5
ESE	5.6	5.6	.5						2.6	2.0	4.1			7[illegible].6
SE	2.6	3.1	.7						2.4	1.4	8.7			81.1
SSE	8.1	3.8	1.4						3.5	1.0	4.9			78.6
S	6.0	3.0	1.5					.0	2.8	1.8	4.3			81.8
SSW	7.0	3.0	1.8					.1	5.2	2.2	3.1			80.4
SW	5.2	3.1	1.8						7.6	.6	3.5			79.4
WSW	4.2	2.8	.9						3.7	.9	3.7			85.6
W	6.1	.7	2.0					.7	3.4	3.4	2.7			83.8
WNW	1.9	1.9	1.9					.9	2.8	1.9	2.8			88.9
NW	1.9	.3	.7					.1	2.9	2.0	2.4			90.5
NNW	.8	.4	.3						2.6	1.0	2.3			93.3
VARIABLE														
CALM	2.5	1.0	.8					.1	3.1	4.2	3.9			82.9
TOTAL	495	256	137					11	485	253	480			12864
% TOTAL	3.3	1.7	.9					.1	3.3	1.7	3.2			86.7

TOTAL NUMBER OF OBSERVATIONS 14,835

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER - JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) SEPTEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.5	.7	.3					.1	8.5	4.5	6.9			78.7
NNE	2.5	1.1	1.1						12.8	4.3	6.4			72.8
NE	1.8	.8	.6					.3	16.5	5.2	5.5			71.4
ENE	2.6	2.6	.6						14.0	4.5	4.8			71.7
E	8.6	1.6	.9						11.8	4.8	7.5			68.0
ESE	10.8	3.8	3.2						7.0	2.7	13.5			63.8
SE	11.7	2.0	2.7						7.7	2.7	15.3			60.1
SSE	12.9	1.9	2.1					.3	7.7	3.9	10.3			64.1
S	11.5	2.8	1.4					.3	8.1	1.8	9.3			69.4
SSW	9.7	4.5	2.4					.3	7.8	2.1	5.8			72.0
SW	6.2	3.2	2.5						15.7	2.3	11.7			63.6
WSW	7.6	4.3	1.6						16.3	2.2	12.0			59.2
W	10.9	2.5							18.5	2.5	16.8			52.1
WNW	9.4	1.2						1.2	14.1	7.1	4.7			66.2
NW	1.5	.6							10.5	3.8	10.7			75.6
NNW	.8	.3	.1						8.9	4.0	9.0			78.9
VARIABLE														
CALM	2.4	.4	.4					.1	13.1	9.4	8.2			56.5
TOTAL	763	235	135					17	1468	579	1224			10356
% TOTAL	5.3	1.6	.9					.1	10.2	4.0	8.5			72.0

TOTAL NUMBER OF OBSERVATIONS 14,391

NAVWEASERVCOM

FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) OCTOBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND OR DUST	NO WEATHER
N	4.0	.9	1.0					.1	16.7	8.6	11.1			60.1
NNE	3.6	1.2	.2						25.1	7.0	6.5			60.0
NE	6.7	1.1	.8						24.9	7.2	4.7			56.2
ENE	8.0	1.7	.5						22.0	5.3	3.1			62.1
E	15.1	3.4	1.0						16.3	3.8	5.6			58.4
ESE	13.7	3.3	.4						9.1	1.7	7.5			66.8
SE	24.0	4.0	1.3						9.7	2.7	12.1			49.3
SSE	19.6	4.6	.7					.1	7.8	3.3	7.8			61.6
S	15.2	4.2	1.3					.1	7.3	2.7	6.6			66.0
SSW	12.9	5.8	1.4	.1				.1	5.8	1.3	4.8			70.9
SW	14.3	5.9	1.6						7.6	1.6	7.2			65.8
WSW	10.7	7.5	1.3					1.3	8.8	1.3	6.3			68.6
W	15.0	7.1	1.6					.8	9.4	2.4	7.9			59.1
WNW	9.9	3.7	1.2					1.2	9.9	2.5	4.9			67.9
NW	2.9	.7	.9						14.5	3.8	8.4			70.1
NNW	2.3	1.0	.5						13.3	7.7	10.4			67.1
VARIABLE														
CALM	6.0	.9	.8						19.8	9.6	10.4			53.6
TOTAL	1538	433	147	1				9	1903	747	1188			9341
% TOTAL	10.3	2.9	1.0	.0				.1	12.8	5.0	8.0			62.8

TOTAL NUMBER OF OBSERVATIONS 14,879

5708-5 FREQ WIND DIR. VS WEATHER JAN 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) NOVEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.1	.6	.9			.2			17.4	7.7	6.6			62.7
NNE	9.0	1.1				.2			18.4	3.1	4.8			68.1
NE	13.8	2.1	.8	.2					24.8	4.3	2.8			55.7
ENE	15.1	.6	.9			.6			23.9	4.1	4.3			54.5
E	21.6	2.0	1.2			.2			22.9	4.0	3.4			50.5
ESE	28.7	2.5	1.2			1.5			11.4	1.5	2.5			54.6
SE	28.3	2.9	1.4			.2			10.5	3.6	4.0			54.1
SSE	29.4	4.0	2.2			.5			11.3	1.6	4.8			51.8
S	24.1	3.6	1.9			.1		.1	6.5	2.3	3.9			61.9
SSW	19.1	5.2	1.8			.1		.2	4.9	1.7	3.4			67.5
SW	20.0	4.7	1.5			.2	.2	.4	6.2	3.2	6.0			62.0
WSW	20.2	3.7	1.8						8.3	5.5	3.7			64.2
W	24.8	2.0	3.0						19.8	2.0	5.0			47.5
WNW	12.3	1.5	5.3						15.8	3.5	1.8			64.9
NW	10.5	1.0	1.4			.6			19.0	5.2	8.1			60.2
NNW	7.6	.6	.9			.6		.1	15.4	6.9	7.6			67.0
VARIABLE														
CALM	15.0	1.1	1.1			.3			10.6	3.7	6.7			54.9
TOTAL	2607	354	202	1		40	1	8	1938	574	717			8616
% TOTAL	18.2	2.5	1.4	.0		.3	.0	.1	13.5	4.0	5.0			60.0

TOTAL NUMBER OF OBSERVATIONS 14,351

5708% FREQ. WIND, CIR, VS WEATHER JAN 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) DECEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.1	1.3	1.4			2.8	.1	.3	13.5	5.2	2.0			68.3
NNE	10.5	.6	1.3			1.0			12.5	4.6	1.3			71.9
NE	10.5	1.1	1.7			2.6		.2	20.8	4.1	2.6			61.4
ENE	13.9	2.5	1.6			2.0		.2	14.9	6.0	2.7			60.0
E	23.4	2.3	2.3	.1	.1	4.5		.1	11.8	1.4	2.4			57.8
ESE	30.7	5.4	2.1			5.1	.3		7.7	2.4				54.5
SE	30.3	2.0	1.7			4.1			11.9	2.3	2.5			52.7
SSE	27.2	3.7	1.6			2.6			7.4	2.2	2.0			58.6
S	22.0	3.2	1.9		.0	.8			5.2	1.5	2.4			66.5
SSW	21.9	4.2	1.7			.4			5.2	1.6	.7			68.3
SW	18.4	2.8	1.4			.7			4.6	1.8	1.9			71.0
WSW	14.3	1.4	1.4			1.4			2.7	1.4	2.0			75.5
W	24.8	3.5			.9	2.7			7.1	1.8	1.8			59.3
WNW	22.2	1.6				1.6	1.6		17.5	1.6	1.6			55.6
NW	10.6	.9	1.8		.6	3.2			15.3	4.1	3.5			63.2
NNW	9.8	.3	.9			2.0		.1	15.4	8.0	2.8			64.9
VARIABLE														
CALM	12.9	.8	1.5			1.6			18.8	5.8	5.0			55.8
TOTAL	2766	359	244	1	5	268	3	7	1548	480	361			9432
% TOTAL	18.6	2.4	1.6	.0	.0	1.8	.0	.0	10.4	3.2	2.4			63.5

TOTAL NUMBER OF OBSERVATIONS 14,863

5208 5 FREQ. WIND DIR. VS WEATHER JAN 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

C

24244 STATION | SEATTLE, WASHINGTON FWC STATION NAME | JAN 49 - DEC 68 YEARS | ALL MONTH | ALL HOURS (L.S.T.)

5708 FREQ WIND DIR. VS WEATHER JAN 68

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.4	.9	.5	.0		.5	.0	.1	6.8	3.3	3.5	.0		82.7
NNE	4.6	1.4	.7	.0		.8	.0	.1	7.5	2.8	2.4	.0		81.5
NE	6.4	1.6	.9	.1	.0	.8	.0	.1	11.5	3.2	2.5			75.5
ENE	9.0	1.9	1.0	.1		1.5	.0	.1	10.5	3.0	2.3			73.5
E	15.9	2.6	1.4	.1	.1	2.2	.0	.2	10.3	2.6	3.4	.0		65.4
ESE	18.8	3.5	1.2	.0		2.4	.0	.1	5.6	1.2	3.6	.1		66.7
SE	19.2	2.8	1.4		.0	1.5		.0	6.2	1.8	5.9			64.5
SSE	19.6	3.3	1.4	.0		1.0		.0	5.8	1.6	4.4			66.4
S	16.3	3.7	1.5		.0	.5	.0	.1	4.7	1.5	3.4			71.5
SSW	14.1	4.8	1.4	.0		.3	.0	.1	4.1	1.1	2.3			74.6
SW	11.3	4.2	1.4			.6	.0	.1	5.4	1.3	3.7			74.9
WSW	11.2	5.2	.8	.1	.1	.3		.4	5.0	1.1	3.5			73.0
W	12.2	4.9	.8		.1	.7		.5	7.6	1.7	5.2		.1	68.8
WNW	8.6	3.0	.7			.8	.1	.4	9.8	1.9	2.1			75.5
NW	4.1	1.1	.7	.0	.0	.7		.1	8.2	2.9	4.6			79.7
NNW	2.6	.7	.3	.0	.0	.5		.1	6.0	3.1	3.6	.0		84.8
VARIABLE														
CALM	10.2	1.1	1.3	.1	.0	.6		.0	12.1	5.9	5.1			64.8
TOTAL	18848	4365	1875	45	13	1287	14	142	12034	4457	6285	10	1	130404
% TOTAL	10.8	2.5	1.1	.0	.0	.7	.0	.1	6.9	2.5	3.6	.0	.0	74.5

TOTAL NUMBER OF OBSERVATIONS 174,938

NAVWEASERVCOM

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, but has been removed from this [illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

24244 (STATION) SEATTLE WASHINGTON FUC (STATION NAME) 45-68 (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	24.8	12.5	3.1	10.1	9.4	15.4	13.2	8.7	2.9					62.8	682	5.74	10.69	1.81
FEB	29.7	14.6	4.3	10.2	8.2	15.4	8.5	3.8	3.1	.2				55.5	696	4.21	5.20	1.71
MAR	31.7	15.6	2.2	11.2	8.9	15.7	9.6	4.4	.8					52.7	744	3.42	7.38	.75
APR	39.3	14.0	3.2	9.6	10.0	13.2	8.1	1.5	.6					46.1	720	2.34	4.33	.72
MAY	52.8	17.8	2.4	7.3	4.3	8.7	4.3	2.7						29.7	744	1.70	4.57	.32
JUN	54.0	15.4	3.9	7.8	3.0	7.4	5.8	1.8	.3					30.6	720	1.67	3.59	.24
JUL	73.4	10.2	1.6	4.5	2.5	4.9	2.2	.4						16.4	713	.70	2.18	TRACE
AUG	65.1	14.5	1.9	6.2	3.0	4.8	3.8	1.1	.3					20.4	744	1.11	4.00	TRACE
SEP	61.1	12.2	1.3	6.0	5.0	7.2	4.7	2.1	.4					26.7	720	1.71	3.65	.32
OCT	42.6	12.0	2.2	9.1	6.5	11.6	9.3	5.[illegible]	1.2					45.4	744	3.59	8.18	.53
NOV	30.7	9.7	2.5	8.9	7.9	17.4	11.8	8.2	2.3	.1				59.6	720	5.34	8.40	.83
DEC	25.1	12.6	2.4	9.1	9.9	16.8	14.1	8.7	1.5					62.1	744	5.19	8.42	2.67
ANNUAL	44.2	13.5	2.5	8.3	6.6	11.5	8.0	4.2	1.1	.0				42.3	8645	36.72		

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

24244 SEATTLE WASHINGTON F.C 45-68
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
45			.78	.43	.49	.19	.04	.65	.44	.51	.63	.88	
4	1.12	1.01	.41	.36	.20	.67	.38	.16	.50	.62	1.35	1.14	1.35
47	.90	1.27	.46	.35	.17	.50	.18	.38	.42	1.85	.74	.84	1.85
48	.66	1.18	1.70	.38	.96	.75	.62	.26	1.53	.54	1.01	.61	1.70
49		2.96	.79	.36	.64	.08	.16	.53	.97	1.53	1.14	1.09	
50	1.36	1.02	1.99	.60	.16	.19	.24	.64	1.05	2.32	1.38	.78	2.32
51	1.27	1.91	.51	.50	.43	.22	.15	.47	.85	.79	.79	1.00	1.91
52	.58	.41	.45	.61	.10	1.68	.28	.34	.20	.22	.33	.52	1.68
53	1.55	.36	.87	.27	.80	.59	.70	.35	1.53	1.11	1.02	.72	1.55
54	1.62	1.49	.84	.56	.58	.46		.40	.64	.26	.75	.96	
55	.47	1.35	.34	.50	.52	.53	.46	TRACE	.49	.99	1.39	1.26	1.39
56	1.05	.33	.62	.55	.50	.65	.08	.41	.67	.61	.51	.51	1.05
57	.60	1.07	.72	.55	.44	.62	.41	.39	.30	.80	.71	.86	1.07
58	1.97	.71	.37	1.07	.33	.40	TRACE	.16	.77	.98	.85	.99	1.97
59	1.52	.64	.51	.57	.64	.47	.20	.21	.65	.53	2.63	1.64	2.63
60	1.06	1.35	.83	.32	.64	.73	TRACE	1.15	.50	1.07	1.59	1.06	1.59
61	.88	1.06	.67	.38	.70	.23	.55	.68	.23	.73	1.07	.93	1.07
62	.93	.59	.96	.34	.59	.27	.30	.48	.88	.82	1.16	.72	1.16
63	.47	1.25	.67	.40	.39	.46	.48	.28	.24	.71	1.02	.65	1.25
64	1.30	.49	.65	.63	.34	.81	.19	.47	1.00	.24	1.19	1.00	1.30
65	.87	1.12	.20	1.90	.71	.41	.36	.83	.30	.35	1.10	1.09	1.90
66	1.52	.66	.97	1.07	.70	.34	.49	.12	.77	1.08	1.76	1.50	1.76
67	1.97	.91	1.11	1.25	.35	.99	.14	TRACE	.56	.66	.35	1.01	1.97
68	.94	1.64	1.00	.62	.51	1.49	.26	1.05	.93	.65	1.49	1.49	1.64
MEAN	1.10	1.06	.77	.61	.50	.57	.30	.43	.70	.83	1.08	.97	1.91
S.D	.417	.586	.401	.371	.212	.384	.222	.292	.364	.499	.498	.299	.417
TOTAL OBS.	682	650	744	720	744	720	713	744	720	744	720	744	8645

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

24244 STATION | SEATTLE WASHINGTON STC STATION NAME | 45-68 YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT.	NOV	DEC.	ALL MONTHS
4?	.56 20												PRECIP DAYS
5?							1.21 20						PRECIP DAYS
MEAN													
S. D													
TOTAL OBS.													

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL
(FROM DAILY OBSERVATIONS)

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	82.4	10.9	1.8	2.1	1.2	.7	.6	.1	.3					6.7	682	3.7	26.2	.0
FEB	88.5	8.5	1.1	1.7		.2		.2						3.1	650	.9	5.9	.0
MAR	91.5	6.6	.7	.7	.1	.1	.1	.1						1.9	744	.8	7.4	.0
APR	98.8	1.1	.1											.1	720	TRACE	.1	.0
MAY	100.0														744	.0	.0	.0
JUN	100.0														720	.0	.0	.0
JUL	100.0														713	.0	.0	.0
AUG	100.0														744	.0	.0	.0
SEP	100.0														720	.0	.0	.0
OCT	100.0														744	.0	.0	.0
NOV	96.8	1.9	.1	.4	.1	.3	.1		.1					1.3	720	.9	11.4	.0
DEC	88.2	8.6	.7	1.3	.4	.3	.1	.1	.3					3.2	744	1.9	10.0	.0
ANNUAL	95.5	3.1	.4	.5	.1	.1	.1	.0	.1					1.4	8645	8.2		

1210 WS FORM JUL 64 0-15-5 (Del 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

24244 — STATION
SEATTLE WASHINGTON FSC — STATION NAME
45-68 — YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB	MAR.	APR.	MAY	JUN	JUL	AUG	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			TRACE	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	
46	TRACE	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	7.5	TRACE	7.5
47	.9	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.9
48	TRACE	.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.5
49		3.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.5	
50	7.3	.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.3	TRACE	7.3
51	.3	TRACE	4.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.5
52	4.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
53	.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
54	5.3	TRACE	TRACE	TRACE	.0	.0		.0	.0	.0	.0	.0	
55	TRACE	1.1	1.2	.0	.0	.0	.0	.0	.0	.0	3.8	3.2	3.8
56	.2	1.4	2.2	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.2
57	3.7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7
58	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	1.5	.0	1.5
59	2.5	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.5
60	.7	.0	4.1	.0	.0	.0	.0	.0	.0	.0	3.3	.0	4.1
61	.0	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	2.8	2.8
62	.2	5.9	2.7	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	5.9
63	.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.5
64	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	4.0	4.0
65	2.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	6.7	6.7
66	TRACE	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
67	8.6	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	8.6
68	2.3	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	9.0	9.0
MEAN	1.79	.55	.61	.00	.00	.00	.00	.00	.00	.00	.73	1.45	3.94
S.D	2.514	1.376	1.345	.020	.000	.000	.000	.000	.000	.000	1.773	2.443	2.469
TOTAL OBS.	662	650	744	720	744	720	713	744	720	744	720	744	8545

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

24244 SEATTLE WASHINGTON FWC 43-66
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47	3.0 30												SNOFALL DAYS
5[illegible]							.0 30						SNOFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-58 (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					
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			MEAN	GREATEST	LEAST
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	90.0	2.2	2.3	1.5	1.6	1.5	.9							7.8	682			
FEB	97.2	1.2	.9	.3	.3									1.5	650			
MAR	97.4	1.7	.4	.3		.1								.8	744			
APR	100.0														720			
MAY	100.0														744			
JUN	100.0														720			
JUL	100.0														713			
AUG	100.0														744			
SEP	100.0														720			
OCT	100.0														744			
NOV	99.2	.1	.1	.1	.3	.1								.7	720			
DEC	96.6	1.9	1.1	.3		.1								1.5	744			
ANNUAL	98.4	.6	.4	.2	.2	.1	.1							1.0	8645			

1210 WS FORM JUL 64 0-15-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

24244 (STATION) SEATTLE WASHINGTON FAC (STATION NAME) 49-63 (YEARS)

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB	MAR	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT	NOV.	DEC	ALL MONTHS
49			0	0	0	0	0	0	0	0	0	0	
4?	0	0	0	0	0	0	0	0	0	0	4	0	4
47	1	0	0	0	0	0	0	0	0	0	0	0	1
4?	0	0	0	0	0	0	0	0	0	0	0	0	0
5?		2	0	0	0	0	0	0	0	0	0	0	
51	10	3	0	0	0	0	0	0	0	0	0	0	10
52	0	0	2	0	0	0	0	0	0	0	0	1	2
57	4	0	0	0	0	0	0	0	0	0	0	0	4
53	1	0	0	0	0	0	0	0	0	0	0	0	1
5?	6	0	0	0	0	0		0	0	0	0	0	
55	0	0	TRACE	0	0	0	0	0	0	0	3	1	3
5?	0	1	TRACE	0	0	0	0	0	0	0	0	1	1
57	4	1	0	0	0	0	0	0	0	0	0	0	4
5?	0	0	0	0	0	0	0	0	0	0	0	0	0
59	3	TRACE	0	0	0	0	0	0	0	0	0	0	3
6?	0	0	2	0	0	0	0	0	0	0	0	0	2
61	0	0	0	.0	0	0	0	0	0	0	0	TRACE	TRACE
62	0	0	6	0	0	0	0	0	0	0	0	0	6
63	TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
64	TRACE	0	0	0	0	0	0	0	0	0	0	2	2
65	1	0	0	0	0	0	0	0	0	0	0	2	2
66	0	0	TRACE	0	0	0	0	0	0	0	0	TRACE	TRACE
67	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE	TRACE
68	1	0	0	0	0	0	0	0	0	0	0	4	4
MEAN	1.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.3	.5	2.1
S.D	2.557	.765	1.316	.000	.000	.000	.000	.000	.000	.000	.999	.977	2.477
TOTAL OBS	682	650	744	720	744	720	713	744	720	744	720	744	8545

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

24244 (STATION) SEATTLE WASHINGTON FSC (STATION NAME) 45-68 (YEARS)

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP	OCT.	NOV.	DEC.	ALL MONTHS
67	3 20												SNO DPTH DAYS
68							9 31						SNO DPTH DAYS
MEAN													
S D.													
TOTAL OBS.													

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

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

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 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

   NOTE: According to Circular N specifications, "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 direction and speed, and in addition the mean wind speed 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 VARBL.

   a. Three tables are prepared for all surface winds included, and for all years combined as follows:

      (1) Annual - all hours combined

      (2) By month - all hours combined

      (3) By month - by standard 3-hour groups

   b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: 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.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

24244 (STATION) SEATTLE WASHINGTON F.C (STATION NAME) 45-66 (YEARS)

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN	FEB	MAR.	APR	MAY	JUN	JUL	AUG	SEP.	OCT.	NOV	DEC.	ALL MONTHS
45			S 37S	32W	23W	26S	32NW	21S	29S	SE 46S	46S	56	
46	S 44S	37S	34S	32S	25S	30N	23SW	29SW	30SW	40NW	32S	39	S 44
47	W 42S	46S	30S	36S	28S	39S	30S	23S	26S	37S	30S	46	S 46
48	S 38S	57S	39S	35W	42SW	27S	22SW	30S	39SW	42SW	41SW	48	S 57
49	SW 46S	56	SW	45SW	35S	30SW	29SW	25SW	37N	38SW	48S	49	
50	S 58S	41SW	37S	36SW	29S	37S	26S	26S	30S	52S	42		
51	S 61S	36SW	42SW	24SSW	31				SW 47S	38S	51SW	45	
52	S 41SW	48SW	33S	46					NW 22SW	24S	42S	41	
53	S 49S	41S	29S	34SW	35S	29SW	28S	27SSW	41S	37S	55SSW	50	S 55
54	S 50S	46SW	36SSW	39S	27S	28SSW	29S	22S	21SSW	35S	49SSW	45	S 50
55	SSW 42	SSW 54	SW 42	SW 34	SW 25	SSW 16	S 23	NNE 15	SSW 19	SSW 32	NNW 36	SSW 50	SSW 54
56	SSE 33	SSW 29	S 35	SW 19	SSW 21	SSW 22	SSW 21	SSW 16	S 28	SSW 35	SSW 30	39	S 37
57	SSW 35	SSW 36	SSW 33	S 37	SW 24	SSW 27	SSW 26	SSW 23	NNW 24	NNW 24	S 28	SSW 30	S 37
58	SSW 51	SSW 49	SW 26	SW 34	SSW 27	SW 26	S 16	SSW 27	WSW 42	SSW 35	NW 36	SSW 36	SSW 51
59	SSW 36	SSW 31	SSW 29	SSW 30	SW 23	SSW 20	W 24	SSW 22	SSW 29	SSW 30	SSW 35	SSW 37	SSW 37
60	S 39S	41SW	36S	45W	SW 28S	28SSW	20S	24S	24S	26SW	32SSW	31	S 46
61	S 36W	40S	43N	28SW	34S	22SW	25W	31SW	34S	49SSW	45SW	41	S 45
62	SW 39	SSW 27S	34		S	28W	21SW	22S	31S	57SW	43S	32	
63	S 31	SSW 39S	35	SSW 35S	42	SSW 21S	27SW	26S	26S	39S	29SW	35	S 42
64	S 49S	37S	37S	34	SSW 28S	24S	24S	28S	32S	31S	29NW	38	S 49
65	S 38S	43NW	27SW	28SW	35S	22	S	30S	24S	33S	39SW	43	
66	S 39	SE 32	SSW 39	SSW 29S	29SW	24SSW	22SSW	21SW	30SSW	30SW	22ENE	34	S 3
67	SSW 42	SW 32	SSW 42	SSW 26W	23SW	21SW	19SW	20SW	28SSW	42SW	41SW	38	SSW 47
68	S 37	SW 36	SW 32	SW 25	SW 28	SW 25	SSW 21	NW 20	SSW 27	SW 26			
MEAN	42.3	40.6	39.1	33.2	29.2	25.0	24.2	24.0	30.0	36.5	38.8	41.1	45.
S. D.	7.820	11.333	4.852	6.842	5.830	5.252	4.033	4.353	7.009	8.225	7.987	6.439	6.490
TOTAL OBS.	704	649	711	680	691	657	649	676	718	738	687	678	8228

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

24244 (STATION) SEATTLE WASHINGTON FXG (STATION NAME) 45-64 (YEARS)

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH / YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV	DEC.	ALL MONTHS
4?			S 38 26										WINDS DAYS
5?												S 36 26	WINDS DAYS
51						S 28 29	SW 18 26	W 19 27					WINDS DAYS
52					SW 18 8	W 20 12	W 19 22	SSW 30 24					WINDS DAYS
67				SW 34 20	SW 20 19								WINDS DAYS
6?							W 17 1?						WINDS DAYS
73											SW 31 25	N 32 26	WINDS DAYS
MEAN													
S D													
TOTAL OBS.													

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

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 46-60 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.6	4.0	1.5	.5	.3							9.3	5.5
NNE	1.9	1.5	.2	.1								3.8	3.9
NE	3.3	2.5	.6	.0								6.5	3.9
ENE	2.1	1.4	.5	.0								4.1	3.9
E	2.2	1.8	.3	.0								4.3	3.9
ESE	.7	.9	.3	.0								2.0	4.4
SE	1.8	1.0	1.0	.2								4.1	5.1
SSE	1.4	2.0	2.2	.9	.3	.0						6.9	7.5
S	2.1	4.5	6.6	6.6	1.1	.2						21.2	9.2
SSW	.9	2.7	3.4	3.1	.9	.2						11.3	9.7
SW	.7	.9	.8	.3	.0							2.8	6.5
WSW	.2	.0	.2	.1								.6	7.5
W	.4	.2	.2									.8	4.5
WNW	.3	.2		.0								.5	3.8
NW	1.0	.6	.3	.1								2.0	4.4
NNW	3.4	2.9	1.8	.9	.2							8.8	5.3
VARBL													
CALM												10.8	
	29.6	27.3	20.1	12.7	2.9	.5						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2005

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 46-68 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.4	2.8	1.4	.6	.3							8.5	5.4
NNE	1.1	1.0	.4	.1	.0							2.8	5.0
NE	3.1	2.2	.7									6.1	3.9
ENE	2.0	1.6	.3									3.9	3.8
E	2.0	1.1	.3	.0								3.6	3.8
ESE	.5	*	.2	.1								1.6	5.3
SE	1.9	1.2	1.0	.1								3.6	5.2
SSE	1.6	2.7	1.8	1.0	.3							7.5	6.9
S	2.8	14.7	8.4	5.2	1.1	.0						22.4	8.7
SSW	1.4	2.7	3.5	2.6	.7	.1						11.0	9.0
SW	.9	.9	1.4	.5	.0							3.9	7.1
WSW	.2	.1	.1	.1								.6	6.7
W	.4	.1	.0	.0								.6	4.2
WNW	.1	.1	.0	.0								.3	5.4
NW	1.1	.9	.3		.0							2.5	4.6
NNW	3.8	3.7	2.0	.5	.0	.1						10.3	5.3
VARBL													
CALM												10.7	
	26.1	26.8	22.3	11.3	2.6	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2007

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FWC	46-68	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.8	1.9	.0	.2							8.8	5.6
NNE	1.2	1.4	.4	.1	.0							3.2	4.8
NE	2.5	1.9	.3		.0							4.8	3.9
ENE	1.9	1.6	.4									3.9	3.9
E	2.0	1.7	.4	.1								4.3	4.3
ESE	1.1	.7	.1	.1								2.0	4.1
SE	1.6	1.4	.8	.2								4.1	5.2
SSE	.9	2.2	1.7	.8	.4							5.0	7.4
S	2.9	5.3	8.5	5.4	1.8	.1						24.1	9.0
SSW	1.2	3.1	3.8	2.9	.8	.0						11.3	8.7
SW	1.1	1.0	.7	.5	.0							3.4	6.4
WSW	.2	.1				.0						.4	5.4
W	.2	.1		.0								.4	4.5
WNW	.2	.2	.0	.0								.5	5.1
NW	.9	.8	.2	.1								2.1	4.8
NNW	3.2	3.2	2.1	.3	.2							9.1	5.5
VARBL													
CALM												11.5	
	24.6	27.8	21.5	10.6	3.7	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2010

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 46-68 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	3.1	1.9	2.0	.8	.2							8.2	6.0
NNE	1.2	1.0	.4	.1		.0						2.8	5.0
NE	2.6	1.3	.3	.0								4.3	3.6
ENE	2.1	1.5	.2	.0								3.9	3.8
E	3.0	1.3	.8	.0	.0							5.2	4.1
ESE	.7	.7	.3	.1	.0							1.9	5.4
SE	1.9	1.2	.7	.4	.0							3.9	5.6
SSE	1.8	2.2	2.8	1.1	.1							8.0	6.8
S	2.9	5.6	8.1	6.3	1.8	.6						25.3	9.3
SSW	1.5	1.9	4.0	3.1	1.0	.2	.0	.0				11.5	9.8
SW	.9	.8	.5	.6	.2	.1						3.2	8.3
WSW	.2	.2	.2		.0							.8	6.1
W	.4	.1	.0									.6	3.4
WNW	.3	.0	.1									.5	3.9
NW	.7	.4	.1	.1								1.4	4.7
NNW	2.5	2.3	1.6	.2	.0	.1						6.8	5.6
VARBL													
CALM												11.7	
	25.5	22.3	22.5	13.2	3.7	1.1	.0	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2012

USAF ETAC FORM JUL 64 0 8 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FWC	46-68	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	2.2	2.0	1.9	1.4	.2							7.9	7.3
NNE	1.1	.6	.4	.2	.1							2.3	5.4
NE	1.4	1.2	.4	.0	.1							3.2	4.7
ENE	1.6	.6	.3	.1								2.6	3.8
E	1.3	1.3	.4	.0								3.3	4.2
ESE	1.0	.4	.7	.3	.0							2.5	6.2
SE	2.1	1.3	1.4	.1								4.9	4.9
SSE	2.1	3.0	2.3	.6	.1	.0						8.3	6.3
S	4.0	5.3	8.7	6.2	2.2	.1		.0				26.5	9.0
SSW	1.2	1.8	4.0	4.3	1.4	.2	.0					13.0	10.4
SW	.7	1.3	1.4	1.2	.4	.0						5.0	8.7
WSW	.3	.1	.0	.2	.0							.7	7.2
W	.3	.1										.4	3.2
WNW		.0	.0									.1	6.0
NW	.6	.7	.3	.1	.1							1.9	6.1
NNW	1.0	1.6	2.0	.8	.4	.1						5.8	7.9
VARBL													
CALM												11.1	
	21.4	21.6	24.3	16.0	4.8	.6	.0	.0				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 2009

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FWC	46-60	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 21	22 27	28 - 33	34 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.4	3.2	1.7	.2							8.4	7.8
NNE	1.0	.9	.7	.5								3.1	6.1
NE	1.6	1.0	.3	.1								3.7	4.3
ENE	1.3	1.2	.2									2.7	3.9
E	2.1	1.7	.6	.1	.1							4.7	4.8
ESE	.6	.9	.6	.4								2.0	6.7
SE	1.5	1.2	.9	.3		.0						4.1	5.7
SSE	1.7	2.4	1.8	.9	.1							6.9	6.5
S	3.0	4.8	7.8	6.0	1.7	.5						23.9	9.3
SSW	1.4	1.8	3.4	3.3	.7	.3	.0					11.1	9.9
SW	1.1	.5	.8	.9	.1	.1						3.7	7.9
WSW	.5	.2	.3	.3								1.3	6.5
W	.2	.1	.1	.0								.6	5.3
WNW	.1	.4	.0									.6	4.6
NW	1.3	.9	.5	.1								3.0	4.7
NNW	1.1	2.3	2.1	1.3	.5							7.4	7.9
VARBL													
CALM												12.2	
	20.0	22.7	23.7	16.2	3.6	1.0	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2007

USAF ETAC FORM JUL 64 0 8 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FNC STATION NAME | 46-68 YEARS | JAN MONTH

ALL WEATHER CLASS | 1800-2000 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.5	1.6	1.2	.1							10.2	5.6
NNE	1.4	1.4	.6		.0							3.4	4.7
NE	2.6	1.8	.6	.1								5.2	4.2
ENE	1.6	1.2	.6	.1								3.6	4.3
E	2.7	2.0	.7	.2	.1							5.7	4.3
ESE	1.1	1.1	.6	.1								2.9	4.8
SE	1.3	1.4	.7	.3	.1	.0						4.0	6.0
SSE	.9	1.7	2.1	.7	.2							5.8	7.4
S	2.0	3.1	6.3	7.8	1.9	.0	.1					21.3	10.1
SSW	1.0	1.9	2.8	3.8	.7	.2						10.6	10.1
SW	.3	.7	.6	.3	.1	.0						2.4	8.3
WSW	.3	.5	.2									1.0	5.2
W	.2	.1										.4	3.1
WNW	.0	.0										.1	3.5
NW	.8	.6	.2	.1		.0						1.8	4.8
NNW	3.3	3.2	2.0	.5	.2	.0						9.3	5.7
VARBL													
CALM												12.0	
	23.0	24.7	20.1	15.0	3.5	.4	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2006

USAF ETAC FORM JUL 64 0 8 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 46-68 YEARS — JAN MONTH

ALL WEATHER CLASS — 2100-2300 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 3	4 6	7 10	11 16	17-21	22 27	28-33	34 40	41-47	48 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.4	1.1	.4	.3							9.0	5.0
NNE	1.2	1.3	.3	.0								2.9	4.6
NE	2.0	2.0	.4	.0								5.1	3.8
ENE	1.8	2.0	.5	.0								4.4	4.3
E	2.5	1.6	.5	.0								4.8	3.9
ESE	.0	.0	.2	.4	.0							1.7	6.1
SE	1.9	1.5	1.5	.5	.0	.1						5.3	6.5
SSE	1.1	1.8	2.6	.5	.1							6.2	7.1
S	1.5	4.4	7.7	7.5	1.3	.3						22.7	9.6
SSW	.7	1.7	4.2	3.4	.9	.2	.0					11.0	10.3
SW	.4	.7	.4	.5	.1							2.1	8.0
WSW	.3	.2	.3	.1								.9	5.7
W	.4	.1	.1									.6	3.5
WNW	.2	.1	.1									.4	4.4
NW	.9	.4	.4									1.8	4.3
NNW	3.8	4.2	1.6	.3	.1							10.0	4.9
VARBL													
CALM												11.0	
	28.4	26.8	22.1	13.6	3.0	.6	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2008

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FWC	46-68	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

ALL — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.0	2.6	1.9	.9	.2							8.8	6.0
NNE	1.3	1.2	.4	.1	.0	.0						3.1	4.9
NE	2.3	1.6	.3	.0	.0							4.9	4.0
ENE	1.4	1.4	.4	.0								3.6	4.0
E	2.3	1.6	.3	.1	.0							4.3	4.2
ESE	.8	.8	.4	.2	.0							2.2	5.4
SE	1.6	1.3	1.0	.3	.0	.0						4.3	5.6
SSE	1.3	2.3	2.2	.8	.2	.0						6.9	7.0
S	2.7	4.7	7.8	6.4	1.6	.3	.0	.0				23.5	9.3
SSW	1.2	2.2	3.6	3.2	.9	.2	.0	.0				11.4	9.7
SW	.8	.9	.9	.7	.1	.0						3.3	7.7
WSW	.3	.2	.2	.1	.0	.0						.8	5.3
W	.3	.1	.1	.0								.6	4.0
WNW	.2	.2	.1	.0								.4	4.3
NW	.9	.7	.3	.1	.0	.0						2.1	4.6
NNW	2.8	2.9	1.9	.6	.2	.1						8.4	5.8
VARBL													
CALM												11.4	
	23.8	24.9	22.1	13.6	3.5	.6	.0	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 16064

USAFETAC FORM 0-8-5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-68 YEARS | FEB MONTH

ALL WEATHER CLASS | 0000-0700 HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 6	7 - 10	11 - 16	17 - 21	22 27	28 - 33	34 - 40	41 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0	4.0	1.8	.2								12.1	4.3
NNE	1.5	1.0	.2									2.6	3.4
NE	2.2	1.0	.3									3.5	3.5
ENE	1.0	1.0	.1									2.0	3.5
E	1.9	.7	.1	.1								2.7	3.3
ESE	.6	.6	.3	.1								1.5	4.8
SE	1.9	1.7	.8	.1								3.9	4.2
SSE	1.0	2.5	2.5	.6	.1	.1						6.8	6.8
S	2.8	4.6	7.0	3.7	1.2	.2	.1					21.5	9.0
SSW	1.4	2.6	3.4	2.7	.8	.3			.1			11.1	9.3
SW	.7	.8	.4	.3	.1							2.3	6.3
WSW	.2	.2	.2	.1								.6	5.6
W	.4	.2	.1	.1								.8	4.7
WNW	.3	.2	.1									.5	3.8
NW	1.1	.5	.3	.1								2.2	4.4
NNW	4.3	3.4	1.4	.2	.3							11.9	5.0
VARBL													
CALM												14.0	
	20.4	27.6	18.7	10.1	2.5	.5	.1		.1			100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 1637

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 46-68 (YEARS) FEB (MONTH)

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

CONDITION

SPEED (KNTS) DIR.	1 3	4 6	7 10	11 - 16	17 - 21	22 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.5	5.0	1.0	.5	.1							11.3	4.5
NNE	1.1	.7	.3									2.2	4.0
NE	2.3	1.5	.2									4.1	3.5
ENE	1.0	1.3	.1									2.4	3.8
E	1.8	.8	.4	.1								3.0	3.9
ESE	.8	.6	.2	.1								1.6	4.4
SE	.9	.7	.9	.3	.1							2.8	6.1
SSE	2.0	2.2	2.2	.5	.3							7.2	6.4
S	2.8	4.4	8.1	4.8	1.1	.5						21.8	9.0
SSW	1.5	1.8	3.9	2.0	.5	.2	.1					10.7	9.2
SW	.8	.8	1.1	.3								3.0	6.2
WSW	.2	.2	.1	.1								.5	5.0
W	.3	.1	.1									.5	4.3
WNW	.4	.1	.1									.5	3.2
NW	1.0	1.3	.4	.1								2.8	4.6
NNW	4.3	4.2	1.6	.2	.3							10.5	4.7
VARBL													
CALM												15.1	
	26.6	24.9	21.3	9.4	2.3	.7	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 1839

USAF ETAC FORM JUL 64 0 8 5 (OL-i) PREVIOUS EDITIONS OF THIS FORM ARE OBSO

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 46-68 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 3	4-6	7-10	11 16	17-21	22-27	28-33	34 40	41-47	48 55	≥ 56	%	MEAN WIND SPEED
N	4.3	2.9	1.4	.3	.1							9.4	4.8
NNE	1.4	.8	.3	.2								2.6	4.2
NE	3.2	2.0	.4									5.5	3.5
ENE	1.9	1.2	.1									3.2	3.5
E	2.9	1.4	.4	.1								4.8	3.6
ESE	.4	.3	.3	.1	.1							1.1	6.2
SE	1.5	1.4	.5	.1								3.5	4.5
SSE	1.1	2.2	2.4	.9	.1							6.6	6.8
S	1.6	3.9	7.8	5.1	1.4	.3						22.0	9.1
SSW	1.1	1.6	3.8	3.1	.9	.1	.1					10.6	9.9
SW	.6	.6	.8	.2	.1	.1						2.3	6.7
WSW	.1	.2	.1	.1								.5	6.8
W	.3	.2										.5	3.4
WNW	.2	.1	.1									.3	4.0
NW	1.0	.6	.2	.2								2.0	4.5
NNW	3.9	4.6	1.4	.6	.1							10.5	4.9
VARBL													
CALM												14.6	
	25.7	23.8	20.0	10.8	2.6	.4	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1838

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 46-60 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.4	2.3	.7	.2							8.8	5.7
NNE	1.5	.8	.2	.1	.1							2.6	3.8
NE	2.3	1.3	.2	.1								4.0	3.4
ENE	1.6	1.0	.1									2.7	3.5
E	2.1	1.4	.3									3.8	3.5
ESE	1.3	.9	.5	.2		.1						2.9	5.4
SE	3.4	1.1	.4	.1								4.7	3.8
SSE	2.9	1.6	2.4	.5								7.5	5.8
S	3.0	6.2	9.3	5.6	1.7	.4						26.1	8.9
SSW	1.0	1.5	3.7	3.6	1.2	.1						11.7	9.9
SW	.6	.9	.5	.4	.1	.1						2.7	6.8
WSW	.2	.2	.2									.5	4.7
W	.4	.1										.5	2.6
WNW	.2	.1	.1									.3	3.6
NW	.5	.2	.3	.1								1.1	5.3
NNW	2.0	3.0	1.9	.5								7.3	5.7
VARBL													
CALM												12.8	
	26.0	22.9	22.2	11.8	3.3	.6						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1837

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-68 YEARS | FEB MONTH

ALL WEATHER CLASS

1200-1400 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.1	2.5	1.0	.1	.1						8.7	6.4
NNE	.7	.6	.2	.1								1.5	4.5
NE	1.0	.5	.4									1.8	4.1
ENE	.6	.5	.3									1.4	4.3
E	1.4	.9	.4	.1								2.7	4.1
ESE	1.3	.9	.7	.2								2.6	5.1
SE	2.7	1.8	.3	.2	.1							5.1	4.2
SSE	2.7	2.3	2.1	.3	.1							8.1	5.5
S	4.8	6.3	8.6	6.3	1.3	.2						27.5	8.4
SSW	.9	2.2	3.4	4.8	1.6	.2						13.1	10.9
SW	.9	.4	1.4	.7	.3	.1						3.8	8.8
WSW	.4	.2	.1									.7	3.4
W	.0	.3		.1								1.0	3.5
WNW	.1	.2	.2									.4	5.9
NW	1.0	.7	.5	.2								2.4	5.5
NNW	1.2	3.2	3.6	1.4	.4	.1						9.8	7.8
VARBL													
CALM												9.3	
	23.1	23.2	24.6	15.3	3.5	.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1848

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 46-68 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.8	2.8	1.3	.1							8.8	6.9
NNE	.4	.9	.4									1.7	5.3
NE	1.0	.8	.2									2.0	3.9
ENE	.8	.9	.3	.1								2.0	4.7
E	1.7	1.1	.7	.1								3.6	4.6
ESE	.9	1.0	.3	.5								2.8	5.9
SE	1.9	1.3	1.1	.5	.1							4.9	5.7
SSE	2.0	2.2	2.4	.3								6.9	5.6
S	4.2	5.8	6.2	5.4	.9		.1					22.6	8.1
SSW	1.1	2.3	3.4	4.7	1.0		.1					12.6	10.1
SW	.8	1.3	1.2	1.2	.2							4.6	7.9
WSW	.4	.3	.2									.9	4.4
W	.4	.3	.1									.9	3.9
WNW	.2	.3	.1	.1								.6	5.5
NW	.8	1.4	1.5	.6	.1							4.4	7.1
NNW	1.6	3.8	4.8	1.9	.5	.1						12.6	7.7
VARBL													
CALM												8.2	
	20.1	26.5	25.9	16.7	2.8	.1	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1837

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 46-68 (YEARS) FEB (MONTH)

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.3	4.1	2.6	.3	.1							11.6	5.1
NNE	1.3	.6	.3									2.2	3.8
NE	1.6	1.3	.3									3.2	3.8
ENE	1.6	1.3	.4	.1								3.3	4.1
E	1.9	1.6	.7	.1	.1							4.4	4.7
ESE	.9	.8	.9	.3								2.9	6.1
SE	1.3	1.2	1.0	.3								3.9	5.7
SSE	1.8	2.2	2.3	.7	.3							7.4	6.9
S	3.0	5.0	6.2	4.6	1.4	.1						20.2	8.6
SSW	1.0	2.1	3.1	2.4	.5	.2						9.4	9.2
SW	.7	.8	.7	.5	.2	.1						2.9	7.5
WSW	.1	.2	.2	.2								.7	7.1
W	.2	.2	.1		.1							.4	5.6
WNW	.3	.1	.1									.5	3.7
NW	1.5	2.4	.8	.1								4.6	4.8
NNW	2.0	5.3	3.0	.9	.2							11.6	5.0
VARBL													
CALM												10.9	
	24.2	28.9	22.4	10.4	2.8	.4						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1638

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-68 YEARS | FEB MONTH

ALL WEATHER CLASS | 2100-2300 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 - 10	11 16	17 21	22 - 27	28 - 33	34 40	41 - 47	48 55	≥ 56	%	MEAN WIND SPEED
N	6.1	4.5	1.0	.4	.2							12.2	4.3
NNE	1.9	1.4	.1									3.3	3.5
NE	1.7	1.6	.4									3.7	4.0
ENE	1.4	.8	.1									2.2	3.2
E	1.7	1.0	.3									3.1	3.7
ESE	.6	1.0	.3	.2								2.2	3.5
SE	1.1	1.0	.7	.1								2.9	4.9
SSE	1.2	1.5	1.8	1.0	.1							5.8	7.1
S	2.5	5.4	6.2	5.1	1.6	.3						23.1	8.9
SSW	.6	2.3	2.6	2.8	.7	.3						9.4	9.8
SW	.5	.9	.5	.2	.1							2.1	6.4
WSW	.2	.1	.1									.3	3.7
W	.4	.2			.1							.7	4.4
WNW	.2	.1										.3	3.2
NW	1.3	1.1	.3	.1								2.8	4.4
NNW	3.9	4.8	1.8	.2	.3							11.0	5.1
VARBL													
CALM												14.9	
	29.7	28.0	17.9	10.0	2.9	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 1835

USAF ETAC FORM JUL 64 0-8 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON EXC STATION NAME — 46-68 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	4.4	3.4	2.0	.6	.1	.0						10.4	5.1
NNE	1.2	.6	.2	.0	.0							2.3	4.0
NE	2.0	1.2	.3	.0								3.5	3.7
ENE	1.2	1.0	.2	.0								2.4	3.8
E	1.9	1.1	.4	.1	.0							3.5	3.9
ESE	.9	.7	.4	.2	.0	.0						2.2	5.5
SE	1.7	1.3	.7	.2	.0							4.0	4.9
SSE	1.6	2.2	2.3	.6	.1	.0						7.0	6.3
S	3.1	5.4	7.7	5.5	1.3	.2	.0					23.1	8.7
SSW	1.2	2.0	3.4	3.4	.9	.2	.0		.0			11.1	9.8
SW	.7	.8	.8	.5	.1	.0						3.0	7.2
WSW	.2	.2	.1	.0								.6	5.1
W	.4	.2	.0	.0	.0							.6	4.0
WNW	.2	.1	.1	.0								.4	4.2
NW	1.0	1.0	.5	.2	.0							2.8	5.2
NNW	3.0	4.3	2.9	.7	.3	.0						10.6	5.9
VARBL													
CALM												12.3	
	24.8	29.9	21.6	11.8	2.9	.5	.0		.0			100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 16699

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FHC	46-60	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 10	11 16	17 21	22 - 27	28 - 33	34 40	41 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.2	4.8	.9	.3								12.2	3.9
NNE	1.2	.7	.0									1.9	3.3
NE	1.7	1.0	.0									2.8	3.2
ENE	2.0	1.2	.3									3.5	3.8
E	1.1	.8	.2									2.1	3.7
ESE	.4	.3	.3									.9	5.5
SE	1.0	1.4	.7	.4								3.6	5.8
SSE	1.2	2.2	1.9	.5	.0							5.9	6.4
S	2.2	5.7	10.2	5.4	1.1	.0	.1					24.7	8.9
SSW	1.1	2.5	4.4	2.9	1.1	.0						12.1	9.4
SW	.4	.7	.5	.4	.0							2.2	7.2
WSW	.3	.2	.3									.8	5.3
W	.2	.1	.0	.0								.4	4.7
WNW	.1	.0	.1									.3	4.5
NW	.9	.9	.4	.2								2.5	5.3
NNW	4.7	5.1	.9	.0	.1							11.0	4.3
VARBL													
CALM												12.8	
	24.9	27.8	21.6	10.2	2.4	.1	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2014

USAF ETAC FORM JUL 64 085 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 46-68 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0300-0900 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.9	4.4	.8	.1	.0							12.2	3.7
NNE	1.4	.7	.0									2.1	3.0
NE	2.3	1.5	.1									4.0	3.3
ENE	1.0	1.2	.1									2.4	3.9
E	1.7	.8	.3	.1								2.9	3.8
ESE	.6	.3	.1		.0							1.1	4.2
SE	1.1	1.0	.6	.1	.1							2.9	5.5
SSE	1.1	2.6	2.0	.5	.0							6.3	6.4
S	1.7	5.0	10.4	5.1	.9	.0						23.2	8.8
SSW	.9	2.1	4.1	3.4	1.1	.0						11.4	9.8
SW	.6	1.3	.9	.2								2.6	5.9
WSW	.3	.0	.2	.0								.6	5.3
W	.3	.0	.1									.4	3.9
WNW	.2	.1	.1		.0							.5	5.9
NW	1.5	1.1	.4	.0								3.1	4.0
NNW	4.9	4.4	1.6	.0	.2							10.7	4.6
VARBL													
CALM												13.5	
	26.2	26.0	21.9	9.9	2.6	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2014

USAF ETAC FORM JUL 64 0 8-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-68 YEARS | MAR MONTH

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

CONDITION

SPEED (KNTS) DIR	1 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0	3.6	1.4	.1	.0							11.0	4.2
NNE	1.4	.4	.1									1.9	3.2
NE	2.3	1.1	.2									3.6	3.3
ENE	1.2	1.1	.1	.0								2.5	3.8
E	1.7	.7	.4									2.9	3.9
ESE	.9	.1	.5	.0	.0							1.6	4.9
SE	.9	.8	.4	.2								2.4	5.5
SSE	1.0	2.6	3.0	.7								7.3	6.8
S	2.1	6.0	10.4	5.2	1.1	.1						24.9	8.7
SSW	1.1	2.8	4.3	3.0	.8	.0						12.1	9.0
SW	.0	1.3	.8	.0								2.7	5.6
WSW	.1	.1	.0									.3	4.5
W	.1	.1										.3	3.5
WNW	.0	.0										.1	3.0
NW	1.0	.6	.2									1.9	3.9
NNW	3.3	3.4	1.3	.1								8.3	4.4
VARBL													
CALM												16.1	
	24.0	24.9	23.4	9.5	2.0	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2019

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-66 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	3.0	1.9	1.8	.5	.0							7.4	5.3
NNE	1.0	.3	.1									1.5	3.1
NE	1.7	.2	.1	.0								2.1	3.2
ENE	.5	.6	.2									1.3	4.3
E	1.8	.6	.3	.1								2.9	3.8
ESE	1.0	1.0	.2	.2	.1							3.1	4.9
SE	2.8	1.3	.6	.2	.1							5.0	4.4
SSE	2.4	3.5	2.1	.8	.1							9.5	5.8
S	3.1	5.8	12.7	5.8	1.3	.5						30.2	8.8
SSW	1.1	4.0	4.7	3.0	1.2	.2						13.2	10.1
SW	.6	.8	.9	.4								2.8	6.9
WSW	.3	.1	.1	.1								.7	5.8
W	.4	.1	.0									.6	3.3
WNW	.2	.1										.3	3.2
NW	.5	.3	.2	.2								1.2	5.8
NNW	1.7	1.2	2.3	.7	.1							5.6	6.2
VARBL													
CALM												12.5	
	23.4	21.2	26.6	12.5	3.1	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2015

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FAC (STATION NAME) 66-68 (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	2.0	1.6	2.1	.7	.1							6.6	6.4
NNE	.5	.2	.2	.1								1.1	5.4
NE	.6	.6	.2									1.4	4.2
ENE	.7	.5	.2									1.5	3.8
E	.8	.7	.5	.2								2.3	5.3
ESE	1.4	.5	.1	.1	.1	.0						2.3	5.0
SE	2.9	1.9	.6	.4	.0							5.9	4.6
SSE	2.3	4.0	2.4	.9	.1							9.3	5.8
S	3.5	8.0	10.0	6.0	1.3	.1						28.9	8.3
SSW	.7	2.2	3.6	5.0	1.3	.3						13.8	10.9
SW	.8	1.4	1.3	1.3	.0							4.7	7.9
WSW	.3	.3	.3	.2	.0							1.1	7.7
W	.2	.4	.2									.8	4.6
WNW	.2	.2	.0									.4	4.1
NW	.8	.8	1.1	.2	.1	.0						3.2	7.1
NNW	1.2	2.8	4.2	1.9		.0						9.9	7.5
VARBL													
CALM												6.7	
	19.4	20.0	27.2	17.1	3.2	.6						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2015

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 46-66 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	1.4	2.0	4.0	.8	.2							8.3	7.6
NNE	.4	.6	.4	.0								1.5	5.5
NE	.5	1.0	.5		.0							2.1	5.3
ENE	.4	.5	.3	.1								1.3	5.6
E	1.3	.5	.2	.2								2.6	4.3
ESE	.6	.6	.5	.2								2.4	5.5
SE	1.5	1.2	.6	.3								3.7	5.1
SSE	1.9	3.0	2.8	.7	.0							8.6	6.3
S	2.1	5.9	6.9	5.2	.8	.1						21.1	8.5
SSW	.6	2.2	4.0	4.8	1.2	.0						13.0	10.4
SW	.7	1.7	2.0	1.5	.3							6.4	8.7
WSW	.3	.8	.5	.2	.1	.0						2.0	7.6
W	.5	.6	.2	.1								1.7	5.5
WNW	.2	.3	.1		.0							.7	5.9
NW	.8	1.1	2.4	.9	.1							5.4	7.9
NNW	1.0	3.4	6.3	2.7	.1							13.6	8.3
VARBL													
CALM												5.7	
	14.0	20.2	32.0	18.1	3.2	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2014

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE O SOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FMC	46-60	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.4	2.3	.7								8.9	5.9
NNE	1.5	.7	.2	.0								2.4	3.7
NE	1.4	.7	.4									2.5	4.0
ENE	1.4	.9	.3									2.4	4.1
E	1.9	1.2	.3									3.5	3.7
ESE	.5	.7	.4	.0	.0							1.7	5.9
SE	1.5	1.7	1.5	.6								5.3	6.2
SSE	1.7	2.8	1.8	.4	.1							6.8	6.0
S	2.8	4.3	7.1	4.3	.8	.1						19.4	8.4
SSW	.8	1.8	4.4	2.9	.5	.2						10.8	9.6
SW	.8	1.2	2.2	.5	.1							5.0	7.6
WSW	.1	.3	.2									.7	5.5
W	.3	.2	.0									.5	3.5
WNW	.1	.2										.3	3.7
NW	1.4	2.0	1.7	.2								5.4	5.4
NNW	2.8	6.6	4.9	.6	.0							14.9	6.0
VARBL													
CALM												9.4	
	21.2	29.0	27.9	10.5	1.7	.3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2012

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FNC (STATION NAME) 46-68 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28 33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	0.1	0.4	1.7	.3								12.4	4.3
NNE	1.3	.9	.2									2.5	3.8
NE	2.2	.8	.1									3.2	3.0
ENE	1.8	1.1	.1									3.0	3.5
E	1.6	1.4	.2	.1								3.4	4.1
ESE	.6	.4	.2	.1								1.3	4.7
SE	1.5	1.7	1.1	.5	.1							5.0	6.1
SSE	1.0	3.0	1.9	.8	.1							6.9	6.7
S	2.4	5.3	7.3	5.1	.8	.0						20.9	8.6
SSW	.9	3.1	4.3	2.9	.0	.1						11.9	9.1
SW	.3	.9	.8	.2								2.2	6.5
WSW	.3	.4	.0									.8	4.3
W	.2	.2										.4	3.3
WNW	.0	.1										.1	4.3
NW	1.0	1.0	.9									2.9	5.0
NNW	4.4	4.3	1.9	.2								10.9	4.6
VARBL													
CALM												12.1	
	25.9	29.0	21.0	10.2	1.7	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2009

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 46-68 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (LST))

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	3.3	1.9	.5	.1							9.9	4.9
NNE	1.1	.6	.2	.0								1.9	3.7
NE	1.6	.9	.2	.0	.0							2.7	3.6
ENE	1.1	.9	.2	.0								2.3	4.0
E	1.5	.9	.3	.1								2.8	4.0
ESE	.9	.5	.3	.1	.0	.0						1.8	5.1
SE	1.6	1.4	.8	.4	.0							4.2	5.4
SSE	1.7	3.0	2.3	.6	.1							7.6	6.2
S	2.5	5.9	9.4	5.3	1.0	.1	.0					24.2	8.6
SSW	.9	2.4	4.2	3.6	1.0	.1						12.3	9.8
SW	.0	1.2	1.1	.6	.1							3.6	7.3
WSW	.3	.3	.2	.1	.0	.0						.9	6.3
W	.3	.3	.1	.0								.7	4.4
WNW	.2	.1	.0		.0							.4	4.8
NW	1.0	1.0	.9	.2	.0	.0						3.2	5.9
NNW	3.0	3.9	2.9	.7	.1	.0						10.6	5.5
VARBL													
CALM												11.1	
	22.4	20.3	25.1	12.2	2.5	.3	.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 10100

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 46-68 YEARS — APR MONTH

ALL WEATHER CLASS

CONDITION

0000-0200 HOURS (LST)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17 21	22 27	28-33	34 40	41 47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.3	5.3	.8	.1								11.5	3.9
NNE	1.8	1.2	.2	.1								3.2	3.5
NE	2.1	2.2	.3	.1								5.2	3.7
ENE	1.2	.8	.1									2.1	3.6
E	1.7	1.0	.3									3.0	3.6
ESE	.6	.4	.4	.1								1.4	5.4
SE	1.4	1.2	.8	.2								3.6	5.3
SSE	1.3	3.2	2.3	.7								7.4	6.3
S	2.7	5.8	8.8	4.7	.3	.1						22.4	8.0
SSW	1.4	2.6	4.6	2.3	.1							10.8	8.0
SW	.8	.9	1.1	.2								2.9	5.9
WSW	.2	.3	.2									.6	5.5
W	.2		.1									.3	3.6
WNW	.2											.2	2.0
NW	1.5	.7	.3									2.6	3.8
NNW	3.1	2.5	1.4	.1	.1	.1						12.8	4.3
VARBL													
CALM												10.2	
	28.9	30.9	21.5	8.5	.4	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1949

USAF ETAC FORM JUL 64 0 8 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 46-68 YEARS — APR MONTH

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.8	4.6	1.0	.4								12.7	3.9
NNE	1.5	1.2	.2									2.8	3.6
NE	2.4	1.4	.1									3.8	3.3
ENE	1.9	1.3	.3									3.2	3.7
E	1.9	.7		.1								2.4	3.2
ESE	.4	.6	.3	.1								1.3	5.5
SE	1.6	1.3	.5	.2								3.5	4.4
SSE	1.5	2.8	2.2	.4	.1							7.0	6.0
S	2.7	5.5	9.5	4.7	.3							22.7	8.1
SSW	1.8	2.9	4.8	2.4								11.6	7.7
SW	.6	.9	1.0	.3								2.7	6.6
WSW	.2	.1	.1									.4	3.4
W	.1	.1										.1	3.0
WNW	.1		.1									.2	4.3
NW	1.3	.4	.1	.1								1.9	3.4
NNW	6.2	4.6	.9	.4								12.2	4.2
VARBL													
CALM												11.6	
	30.2	28.3	20.6	8.9	.4							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1950

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-60 YEARS | APR MONTH

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

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.8	3.5	1.6	.2								11.2	4.1
NNE	2.8	.4	.2	.1								3.4	3.0
NE	2.3	1.1	.2									3.6	3.3
ENE	1.4	1.4	.2									3.0	3.8
E	1.4	.6	.2									2.0	3.4
ESE	1.3	.2	.2	.1	.1							1.9	3.8
SE	2.6	1.4	.3	.2								4.5	4.0
SSE	1.3	2.2	2.1	.3								6.0	5.9
S	3.3	7.8	10.6	5.6	.4							27.9	7.8
SSW	1.3	3.0	4.6	2.8	.1							12.1	8.0
SW	1.0	.8	1.3	.2								3.2	5.9
WSW	.4	.2	.1	.1								.7	4.2
W	.4											.4	2.3
WNW	.1	.2										.3	3.6
NW	.7	.7	.1									1.5	3.7
NNW	2.6	3.2	1.4	.1								7.4	4.6
VARBL													
CALM												11.0	
	29.3	26.0	22.9	9.3	.5							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1950

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FNC STATION NAME — 46-65 YEARS — APR MONTH

ALL WEATHER CLASS — 0900-1100 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.1	1.7	.7								7.8	5.3
NNE	.8	.4	.1									1.2	3.2
NE	1.1	.3	.1									1.4	3.2
ENE	.6	.3	.3									1.1	4.8
E	1.8	.5	.1									2.4	3.0
ESE	2.3	.9	.5		.1	.1						3.7	3.8
SE	2.8	1.6	.7									5.1	3.8
SSE	1.8	4.2	2.9	.6	.1							9.6	6.0
S	3.7	10.1	12.1	6.7	1.1	.1						33.6	8.1
SSW	1.9	2.5	3.8	3.0	.8	.1						11.4	9.0
SW	.6	1.1	1.4	.7	.3							4.1	7.9
WSW	.1	.3	.3									.6	5.8
W	.2	.1										.3	3.3
WNW	.2		.1									.2	3.8
NW	.7	.9	.4									2.0	4.5
NNW	1.6	2.3	3.8	.7								8.5	6.6
VARBL													
CALM												6.8	
	23.2	27.6	27.7	12.3	2.3	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1948

USAF ETAC FORM 0-8-5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FNC STATION NAME | 46-68 YEARS | APR MONTH

ALL WEATHER CLASS | 0900-1100 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.1	1.7	.7								7.8	5.3
NNE	.8	.4	.1									1.2	3.2
NE	1.1	.3	.1									1.4	3.2
ENE	.6	.3	.3									1.1	4.8
E	1.8	.5	.1									2.4	3.0
ESE	2.5	.9	.3		.1	.1						3.7	3.8
SE	2.8	1.0	.7									5.1	3.8
SSE	1.8	4.2	2.9	.6	.1							9.6	6.0
S	3.7	10.1	12.5	6.7	1.1	.1						33.6	8.1
SSW	1.9	2.5	3.8	2.0	.8	.1						11.4	9.0
SW	.6	1.1	1.4	.7	.2							4.1	7.3
WSW	.1	.3	.3									.6	5.8
W	.2	.1										.3	3.3
WNW	.2		.1									.2	3.8
NW	.7	.4	.4									2.0	4.5
NNW	1.6	4.3	2.8	.7								8.6	6.6
VARBL													
CALM												6.8	
	23.2	27.0	27.7	12.3	2.3	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1943

USAF TAC FORM 085 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-66 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	2.3	4.7	3.2	1.2								9.4	6.5
NNE	.5	.4	.3									1.2	4.9
NE	.4	.4	.5	.1								1.3	6.3
ENE	.5	.3	.1	.1								1.0	4.3
E	.9	.7	.3	.1								1.9	4.2
ESE	1.8	1.2	.2									3.3	3.6
SE	3.0	2.8	.8	.4								6.9	4.5
SSE	2.2	4.1	2.8	.5								9.5	5.7
S	2.9	7.0	8.5	5.4	1.1	.1						25.1	8.3
SSW	1.6	2.6	2.8	3.3	1.1	.1	.1					11.9	9.5
SW	.9	1.7	2.4	1.5	.3	.1						6.8	8.7
WSW	.5	.8	.5	.1								1.9	5.5
W	.4	.9	.1	.1								1.4	4.8
WNW	.1	.2		.1								.3	5.4
NW	.6	.7	.9	.3								2.5	6.4
NNW	1.2	2.6	6.3	2.1	.1	.1						12.3	8.1
VARBL													
CALM												3.3	
	19.9	29.0	29.5	15.3	2.6	.3	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

USA ETAC FORM JUL 64 0-8 5 (OL-1) PREVIOUS E.. ONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FNC STATION NAME | 46-66 YEARS | APR MONTH

ALL WEATHER CLASS | 1500-1700 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	3.2	4.6	1.1	.1							10.4	7.0
NNE	.8	.4	.6	.1								1.9	5.0
NE	.8	.7	.6	.2								2.3	5.6
ENE	.5	.5	.4	.1								1.6	5.4
E	1.1	1.0	.3									2.6	4.3
ESE	1.6	1.1	.2	.1								2.9	5.9
SE	2.1	1.6	.7	.2								4.6	4.5
SSE	2.4	2.4	1.5	.4	.1							6.8	5.3
S	2.3	5.3	4.7	3.6	.4	.1						16.4	7.7
SSW	1.0	1.9	3.6	3.4	.7	.1						10.7	9.8
SW	.9	1.8	3.1	1.9	.2	.1						8.0	8.6
WSW	.5	.6	.8	.4	.1							2.4	7.5
W	1.0	.8	.7									2.5	4.7
WNW	.3	.4	.3									1.0	5.3
NW	.6	1.1	1.8	.4								3.6	6.8
NNW	1.1	3.6	10.1	3.4	.3							18.5	8.5
VARBL													
CALM												3.9	
	18.3	26.5	33.9	15.3	1.8	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1949

USAF ETAC FORM JUL 64 0 8 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FNC STATION NAME | 46-08 YEARS | APR MONTH

ALL WEATHER CLASS | 1800-2000 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 - 33	34 40	41 - 47	48 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.0	3.8	.5	.1							11.8	6.2
NNE	1.0	1.0	.6									2.6	4.7
NE	1.3	1.1	.1	.1								2.6	3.9
ENE	.6	.8	.5	.1								2.2	5.0
E	1.0	1.0	.5									3.0	3.9
ESE	1.0	.6	.3									1.9	4.2
SE	1.4	1.1	.5	.3								3.1	5.1
SSE	1.3	1.0	1.5	.3								4.8	6.3
S	1.0	3.8	5.6	3.0	.5	.1						14.0	6.2
SSW	1.2	2.8	3.0	2.5	.4	.1						10.0	8.4
SW	.5	1.9	2.0	1.1								5.9	7.2
WSW	.4	.2	.6	.1	.1							1.2	6.9
W	.3	.6	.2									1.3	4.4
WNW	.4	.2	.2									.7	4.3
NW	.9	1.8	2.3	.1								5.1	6.0
NNW	2.3	10.3	8.7	.7	.1	.2						42.	6.4
VARBL													
CALM												6.4	
	19.3	33.3	30.4	9.6	1.1	.3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1950

USAF ETAC FORM 0 8 5 (OL 1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-68 YEARS | APR MONTH

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

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 - 10	11 16	17 21	22 27	28 33	34 - 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	4.9	5.6	1.8	.1								12.4	4.3
NNE	2.0	1.4	.4	.1								4.0	4.0
NE	2.3	2.1	.5	.1								4.9	4.2
ENE	1.5	1.0	.5									3.0	4.0
E	1.5	1.2	.5	.1								3.2	4.3
ESE	.7	.6	.5									1.7	4.8
SE	1.1	.9	.8	.1	.1							2.9	5.1
SSE	1.2	2.6	1.9	.4	.1							6.2	6.1
S	2.6	5.5	8.4	4.0	.4	.1						21.0	7.7
SSW	1.3	2.4	3.5	2.1	.2							9.5	8.1
SW	.6	.4	1.1	.2								2.4	6.3
WSW	.1	.1	.3									.5	6.6
W	.2	.3	.1									.5	4.8
WNW	.1	.2	.1									.3	5.0
NW	1.0	1.0	.2	.1								2.3	4.5
NNW	3.9	6.5	2.3	.2	.2							14.9	4.6
VARBL													
CALM												10.3	
	27.1	31.7	22.9	7.1	.8	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1946

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-68 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	4.0	3.9	2.3	.6	.0							10.9	5.1
NNE	1.4	.8	.3	.0								2.6	3.9
NE	1.6	1.2	.3	.1								3.1	4.0
ENE	1.0	.8	.3	.0								2.1	4.2
E	1.4	.8	.3	.0								2.6	3.8
ESE	1.3	.7	.3	.1	.0	.0						2.3	4.7
SE	2.0	1.3	.6	.2	.0							4.3	4.5
SSE	1.7	2.9	2.1	.5	.0							7.2	5.9
S	4.8	6.3	8.5	3.7	.6	.1						23.0	8.0
SSW	1.3	2.0	3.8	2.8	.4	.0	.0					11.0	8.6
SW	.8	1.2	1.7	.7	.1	.0						4.5	7.5
WSW	.3	.3	.3	.1	.0							1.0	6.2
W	.4	.3	.1	.0								.8	4.4
WNW	.2	.1	.1	.0								.4	4.6
NW	.9	.9	.7	.1								2.7	5.2
NNW	3.4	4.8	4.4	1.0	.1	.0						13.7	6.1
VARBL													
CALM												7.9	
	24.3	29.2	26.2	10.8	1.2	.2	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 15592

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 45-68 YEARS — MAY MONTH

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 6	7 - 10	11 16	17 - 21	22 27	28 33	34 - 40	41 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.8	6.5	1.6	.1								15.0	4.0
NNE	2.8	1.9	.3									4.9	3.6
NE	3.0	2.3	.2									5.5	3.4
ENE	2.5	2.2	.3									5.0	3.5
E	1.8	1.4	.1									3.3	3.6
ESE	.5	.3	.2									1.0	4.0
SE	.8	1.5	.6	.0	.0							2.9	5.4
SSE	.9	2.2	2.0	.3								5.5	6.4
S	1.8	5.9	8.2	1.9								17.7	7.3
SSW	.6	4.9	5.3	1.1	.2							10.1	7.9
SW	.7	1.0	.6	.2								2.5	6.5
WSW	.5	.2	.1									.8	3.6
W	.0	.1										.1	4.3
WNW	.1											.1	2.7
NW	1.9	1.1	.1									3.1	3.6
NNW	6.1	6.1	1.4									13.6	4.1
VARBL													
CALM												8.8	
	30.8	39.0	20.9	3.7	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2107

USAF ETAC FORM JUL 64 0 8 5 (OL 1) PREVIOUS EDITIONS OF TH FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 45-68 YEARS — MAY 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	6.7	5.6	.4									12.8	3.6
NNE	1.9	1.1	.2									3.3	3.3
NE	3.4	1.0	.2									4.7	3.3
ENE	2.5	1.7	.1									4.3	3.3
E	1.0	.8	.2									2.0	3.8
ESE	.8	.7	.0									1.5	3.4
SE	.7	1.3	.5									2.5	4.6
SSE	.8	2.8	1.7	.1								5.4	5.7
S	4.0	6.7	9.0	1.8	.0							19.6	7.0
SSW	1.5	5.0	5.4	1.3	.1							13.3	7.1
SW	1.1	1.2	.4	.1								2.8	4.9
WSW	.2	.1	.1	.0								.4	5.4
W	.4	.1										.5	2.5
WNW	.2											.2	1.8
NW	1.3	.4	.0									2.5	3.5
NNW	7.8	5.3	1.0	.0								14.2	3.8
VARBL													
CALM												10.0	
	32.1	34.9	19.4	3.4	.2							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 2107

USAF ETAC FORM JUL 64 0 8 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FWC	45-68	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

0000-0800 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	7.1	4.8	1.2	.1								13.3	3.8
NNE	2.8	1.0	.2									4.1	3.2
NE	2.8	1.1	.1									4.0	3.1
ENE	2.4	.8										3.2	2.9
E	1.9	.5										2.4	2.8
ESE	1.1	.4	.1									1.6	3.5
SE	1.5	.8	.4	.0								2.8	4.1
SSE	1.3	2.8	2.3	.3								6.8	6.0
S	2.7	9.4	10.6	2.7	.1							25.5	7.0
SSW	1.3	4.8	5.0	1.9	.1							13.2	7.4
SW	1.0	.9	.3	.1	.0							2.4	5.1
WSW	.0	.2	.0	.0								.3	7.1
W	.2											.2	2.5
WNW			.0									.0	7.0
NW	.6	.4	.1									1.1	4.0
NNW	4.2	3.0	.8	.4								8.4	4.3
VARBL													
CALM												10.6	
	31.0	31.1	21.9	5.9	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 2107

USAF ETAC FORM 0 8 5 (OL 1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	4.2	2.9	3.3	.4								10.8	5.4
NNE	1.1	.4	.3	.0								1.9	4.2
NE	.7	.7	.1	.0								1.6	4.1
ENE	.5	.3	.1									.9	3.9
E	1.5	.0	.1									2.2	3.1
ESE	2.1	.8	.1									3.0	3.3
SE	3.0	2.4	.7									6..	3.9
SSE	4.9	5.3	2.4	.1								10.7	5.1
S	3.6	10.1	10.6	3.0	.2							27.2	7.0
SSW	1.1	3.4	3.7	1.7	.1							9.9	7.6
SW	.8	1.4	.9	.1	.0							3.3	5.7
WSW	.1	.6	.3	.0								1.0	5.0
W	.3	.3	.0									.7	3.7
WNW	.1	.1	.0									.3	3.7
NW	.6	1.0	.3	.1								2.0	4.8
NNW	2.3	4.1	5.2	.5								12.4	6.3
VARBL													
CALM												6.1	
	24.9	34.3	28.2	6.1	.4							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2108

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) MAY (MONTH)

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

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.9	4.0	6.9	1.2			.0					14.7	7.1
NNE	.9	.7	.2	.2								1.9	4.8
NE	.8	.3	.3									1.4	4.1
ENE	.0	.4	.2									1.2	4.0
E	1.1	1.2	.2									2.6	4.0
ESE	1.9	1.6	.1									3.6	3.7
SE	2.9	3.7	1.2									7.8	4.4
SSE	1.9	4.9	2.4	.5								9.8	5.7
S	2.5	7.7	7.9	1.7	.1							20.0	6.7
SSW	.9	2.2	2.5	1.6	.2	.0						7.9	7.9
SW	.7	1.3	1.9	1.1	.0							5.1	7.6
WSW	.6	.8	.7	.1								2.1	5.7
W	.5	.6	.2	.0								1.4	4.6
WNW	.2	.3	.2									.8	5.4
NW	.5	.8	.9	.2								2.3	6.4
NNW	1.0	3.7	8.3	2.0	.0							15.1	7.9
VARBL													
CALM												2.5	
	19.0	34.5	34.5	8.7	.4	.0	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2108

USAF ETAC FORM JUL 64 0 8 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 45-68 YEARS — MAY MONTH

ALL WEATHER CLASS — 1900-1700 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.9	10.0	2.5	.0							18.7	7.7
NNE	.5	1.3	.5									2.3	5.3
NE	.6	.9	.5	.0								2.0	4.9
ENE	.7	.8	.3	.0								1.8	4.7
E	1.2	1.0	.5									2.7	4.2
ESE	1.3	1.1	.2									2.8	3.9
SE	2.0	1.6	.3	.0								4.0	4.2
SSE	1.6	2.8	1.9	.1								6.4	5.4
S	3.8	4.9	5.3	1.8	.1							13.9	7.2
SSW	.5	1.6	2.8	1.6	.3							6.8	8.5
SW	.5	2.0	1.7	1.0								5.2	7.6
WSW	.6	.5	1.0	.2								2.6	6.2
W	.9	.6	.4	.3								2.2	5.5
WNW	.3	.2	.0	.0								.6	5.0
NW	.7	1.4	2.1	.4								4.6	6.9
NNW	1.5	3.9	11.6	3.3	.0							20.4	8.1
VARBL													
CALM												3.0	
	17.1	28.9	39.0	11.4	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2106

USAF ETAC FORM JUL 64 085(OL I) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-68 YEARS | MAY MONTH

ALL WEATHER CLASS | 1800-2000 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 - 6	7 - 10	11 - 16	17 - 21	22 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	7.3	7.5	1.4								18.8	6.5
NNE	.6	1.0	1.0	.0								2.7	5.6
NE	.6	1.4	.3									2.4	4.7
ENE	.8	.9	.2	.0								1.8	4.7
E	.6	1.3	.4	.1								2.6	4.6
ESE	.5	.7	.3									1.5	5.1
SE	.8	.6	.1	.1								1.6	4.3
SSE	1.4	1.3	1.0	.0								3.8	4.9
S	1.9	4.0	4.4	1.2	.1							11.3	7.1
SSW	.6	2.0	3.2	1.5								7.3	8.1
SW	.8	1.8	1.7	.5	.1							4.9	6.9
WSW	.5	1.0	.4	.0								1.9	5.2
W	.4	.6	.3	.0								1.3	4.8
WNW	.4	.3	.3	.0								1.0	5.0
NW	1.1	2.2	2.6	.1								7.1	5.9
NNW	2.8	9.5	12.0	.9	.0							25.1	6.6
VARBL													
CALM												4.7	
	16.0	37.1	35.7	6.3	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2105

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-60 (YEARS) MAY (MONTH)

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

CONDITION

SPEED (KNTS) / DIR	1 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 33	34 - 40	41 - 47	48 55	≥ 56	%	MEAN WIND SPEED
N	6.3	7.8	3.1	.2								17.4	4.6
NNE	4.8	3.6	.9									7.4	4.2
NE	2.6	4.0	.9									.7	4.3
ENE	1.6	3.1	.4	.0								5.2	4.4
E	1.4	1.2	.3									2.9	4.0
ESE	.6	.9	.6	.1								1.8	5.8
SE	.7	.9	.4	.0								2.0	5.1
SSE	.9	1.1	1.2	.1								3.3	5.9
S	1.6	3.9	5.9	1.7	.0							13.1	7.4
SSW	1.4	2.3	4.1	1.3	.0							9.3	7.4
SW	.7	1.1	1.0	.3	.1							3.3	6.7
WSW	.1	.1	.1									.4	5.4
W	.1	.2										.4	4.1
WNW	.2											.2	2.2
NW	1.4	1.4	.5	.0								3.4	4.4
NNW	4.7	7.2	2.0	.1	.0							14.6	4.7
VARBL													
CALM												7.5	
	27.4	38.0	22.1	4.2	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2107

USAF ETAC FORM 0 8 5 (OL 1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-66 (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	4.7	5.4	4.2	.7	.0		.0					15.2	5.5
NNE	1.7	1.4	.5	.0								3.6	4.1
NE	1.8	1.5	.3	.0								3.7	3.9
ENE	1.4	1.3	.2	.0								2.9	3.8
E	1.3	1.0	.2	.0								2.6	3.8
ESE	1.1	.8	.2	.0								2.1	4.0
SE	1.0	1.0	.5	.0	.0							3.7	4.4
SSE	1.5	2.9	1.9	.2								6.4	5.6
S	2.1	0.6	7.7	2.0	.1							10.5	7.0
SSW	1.0	3.0	4.0	1.5	.1	.0						9.7	7.6
SW	.8	1.4	1.1	.4	.0							3.7	6.6
WSW	.3	.5	.3	.1								1.2	5.6
W	.4	.3	.1	.0								.8	4.6
WNW	.2	.1	.1	.0								.4	4.5
NW	1.0	1.3	.8	.1								3.3	5.2
NNW	3.8	5.3	5.4	.9	.0							15.5	6.0
VARBL													
CALM												6.6	
	24.6	34.3	27.7	6.2	.3	.0	.0					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 16855

USAF ETAC FORM JUL 64 0 8 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

0000-0200 (HOURS (L S T))

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	7.0	6.6	.9									14.5	3.8
NNE	3.2	3.0	.5	.0								6.8	3.9
NE	4.7	3.7	.9									9.4	3.8
ENE	3.0	1.8	.3									5.1	3.5
E	1.4	1.5	.2	.0								3.2	4.0
ESE	.4	.5	.2									1.1	4.5
SE	.4	1.0	.4	.1								1.9	5.6
SSE	.8	1.6	1.1	.1								3.6	5.7
S	1.2	4.7	8.0	1.9	.0							15.9	7.4
SSW	2.2	4.8	4.3	.9								12.2	6.4
SW	1.0	1.2	.7	.1								3.1	5.3
WSW	.3	.5										.8	3.7
W	.2	.0										.3	2.8
WNW	.3	.0										.3	2.7
NW	2.0	1.1	.1									3.2	3.5
NNW	4.7	6.3	1.2	.0								12.2	4.2
VARBL													
CALM												6.4	
	32.9	36.3	19.0	3.9	.0							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 2031

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-50 (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	6.7	5.9	.7	.0								13.4	3.8
NNE	2.7	1.8	.3									4.8	3.6
NE	3.3	2.5	.4									6.2	3.7
ENE	3.0	1.7	.3									5.0	3.7
E	1.7	1.2	.1									3.1	3.4
ESE	.6	.5	.2									1.3	4.4
SE	.8	.8	.9	.0								2.6	5.4
SSE	.6	2.3	1.8	.2								4.9	6.4
S	2.0	6.3	7.9	1.6	.0							17.9	6.9
SSW	1.9	5.3	4.1	.8	.0							12.2	6.3
SW	1.8	2.2	.9	.0								4.9	4.6
WSW	.8	.3										1.1	3.2
W	.3											.3	1.7
WNW	.2	.1										.3	3.0
NW	1.9	1.0	.2									3.1	3.4
NNW	5.4	5.3	.6	.0								11.4	3.9
VARBL													
CALM												7.4	
	33.7	37.2	18.7	2.9	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2030

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FNC (STATION NAME) 45-68 (YEARS) JUN (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	6.7	4.3	1.3	.0								12.4	3.8
NNE	2.5	1.7	.4									4.5	3.7
NE	2.7	2.0	.1	.0								4.9	3.5
ENE	2.0	1.0	.1									3.2	3.3
E	2.3	1.2	.1									3.6	3.2
ESE	.9	.8	.0	.0								1.8	3.9
SE	1.4	1.3	.5									3.5	4.3
SSE	1.5	2.9	2.4	.1								6.9	5.8
S	3.0	8.8	9.3	1.8	.1	.0						23.0	6.7
SSW	1.3	3.5	5.0	1.2								13.0	6.8
SW	1.3	1.7	1.3	.1								4.4	5.4
WSW	.4	.4	.0									.9	3.9
W	.1	.0										.2	3.0
WNW	.1	.2										.3	3.9
NW	.8	.7	.0									1.6	3.5
NNW	3.4	2.8	1.0	.0								7.8	4.1
VARBL													
CALM												7.8	
	31.2	35.5	21.9	3.5	.1	.0						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 2028

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-63 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.4	4.2	2.0	.1								10.7	4.6
NNE	1.2	.7	.1									2.0	3.7
NE	1.5	.7	.0									2.3	3.2
ENE	.9	.1	.0									1.1	2.6
E	1.3	.5	.1									2.0	3.1
ESE	1.5	1.1										2.6	3.3
SE	3.0	3.5	.8									7.3	4.2
SSE	2.6	5.0	2.8	.2								10.6	5.3
S	2.8	11.0	11.4	2.0	.2							27.4	6.8
SSW	1.1	3.4	4.7	1.5	.0							10.8	7.3
SW	1.0	1.2	.9	.2								3.3	5.5
WSW	.3	.4	.2	.0								1.0	5.6
W	.1	.0	.0									.2	3.8
WNW	.0	.2										.3	4.5
NW	1.2	.8	.6	.0								2.7	4.7
NNW	2.9	3.8	3.8	.0								10.2	5.6
VARBL													
CALM												5.6	
	25.9	39.7	27.6	4.2	.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2031

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	3.2	5.8	5.8	.8	.0							15.6	6.3
NNE	1.1	1.0	.3	.1								2.6	4.6
NE	1.0	.5	.3		.0							1.9	4.3
ENE	.4	.3	.0									.8	3.3
E	1.3	.4	.2									2.0	3.8
ESE	1.4	1.3	.0									2.8	3.6
SE	2.9	3.0	.7	.1								7.3	4.3
SSE	2.4	5.8	2.9	.3								11.3	5.6
S	1.4	7.6	8.5	1.7	.2	.1						19.6	7.3
SSW	1.2	2.6	3.0	1.4	.1							8.3	7.5
SW	1.3	2.2	1.7	.3	.1							5.9	6.4
WSW	.5	.9	.4	.2								2.1	6.0
W	.6	.6	.3	.0								1.6	4.7
WNW	.3	.3	.0									.6	3.9
NW	.5	.7	1.2	.1								2.6	6.3
NNW	1.3	3.7	6.3	1.5								12.8	7.4
VARBL													
CALM												2.2	
	20.8	37.4	31.8	7.0	.5	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2030

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FWC	45-68	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.9	5.4	9.7	1.3								18.2	7.2
NNE	.9	.9	.8	.1								2.8	5.4
NE	1.2	1.4	.8									3.4	4.9
ENE	.8	.6	.0	.0								1.6	3.9
E	1.4	1.2	.3									3.0	3.9
ESE	1.4	1.2	.3									3.0	4.0
SE	2.3	1.6	.4	.1								4.4	4.0
SSE	2.0	2.8	1.5	.5	.0							6.9	5.7
S	2.3	5.0	4.9	1.9	.2	.0						14.6	6.9
SSW	.9	1.7	3.4	2.0	.1							8.2	8.3
SW	.7	2.4	2.2	.3								5.6	6.4
WSW	.4	.8	1.1	.2								2.6	6.7
W	.5	.6	.4									1.5	4.9
WNW	.2	.5										.7	3.9
NW	.5	1.7	1.2									3.4	6.0
NNW	1.1	4.2	10.1	2.3	.1							17.8	7.9
VARBL													
CALM												2.6	
	18.0	32.3	37.3	8.5	.5	.0						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2031

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-60 (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	2.2	7.3	9.7	.9	.1							19.2	6.7
NNE	.9	1.8	1.4	.0								4.2	5.6
NE	.6	1.6	1.3	.1								3.6	5.9
ENE	1.2	.8	.2									2.3	4.0
E	1.0	.9	.2									2.1	3.8
ESE	1.2	.6	.1									1.9	3.5
SE	1.0	.9	.4									2.3	4.3
SSE	.8	1.3	1.2	.3								3.7	6.2
S	1.7	2.9	4.3	1.7	.0	.1						10.8	7.4
SSW	.8	2.3	3.1	1.0								7.2	7.3
SW	1.9	2.3	1.9	.1								5.3	5.5
WSW	1.0	.7	.2	.1								2.2	4.4
W	.5	.6	.2									1.3	4.1
WNW	.7	.3	.1									1.1	3.6
NW	.8	2.4	2.4	.1								5.7	6.3
NNW	2.2	9.2	11.3	.6								23.2	6.6
VARBL													
CALM												3.5	
	18.2	36.0	37.0	5.1	.1	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2032

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FNC STATION NAME | 43-68 YEARS | JUN MONTH

ALL WEATHER CLASS

2100-2300 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4-6	7 10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	9.8	8.6	3.4	.2								20.1	5.1
NNE	2.6	4.3	1.3									8.2	4.6
NE	2.2	4.1	.9	.0								7.2	4.5
ENE	1.4	2.1	.3	.0								4.1	4.5
E	.9	1.2	.4									2.6	4.3
ESE	.7	.5	.1									1.4	4.0
SE	.6	.8	.3	.0								1.8	4.6
SSE	.9	.9	.7	.0	.0							2.7	5.4
S	1.2	3.3	5.2	1.3	.0							11.3	7.3
SSW	1.2	3.5	4.6	.8	.0							10.2	6.8
SW	1.0	1.9	1.1	.1								4.2	5.4
WSW	.6	.3	.0									1.0	3.3
W	.6	.0	.0	.0								.7	3.4
WNW	.1	.1	.0									.3	4.5
NW	1.0	1.8	.6									3.5	4.6
NNW	4.3	7.7	4.0	.0								16.0	5.0
VARBL													
CALM												4.5	
	29.4	41.6	25.0	2.8	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2026

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	4.7	6.0	4.3	.4	.0							15.5	5.3
NNE	1.9	1.9	.6	.0								4.5	4.3
NE	2.1	2.1	.6	.0	.0							4.9	4.1
ENE	1.6	1.1	.2	.0								2.9	3.7
E	1.4	1.0	.2	.0								2.7	3.7
ESE	1.0	.8	.1	.0								2.0	3.8
SE	1.0	1.7	.6	.0								3.9	4.4
SSE	1.9	2.8	1.8	.2	.0							6.3	5.7
S	1.9	6.3	7.4	1.7	.1	.0						17.6	7.1
SSW	1.3	3.6	4.0	1.2	.0							10.2	7.0
SW	1.2	1.9	1.3	.2	.0							4.6	5.6
WSW	.6	.5	.3	.1								1.5	5.0
W	.4	.3	.1	.0								.8	4.1
WNW	.2	.2	.0									.5	3.7
NW	1.1	1.3	.8	.0								3.2	5.0
NNW	3.2	5.4	4.8	.6	.0							13.9	5.9
VARBL													
CALM												5.0	
	25.6	36.9	27.4	4.7	.2	.0						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 16239

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 45-68 YEARS — JUL MONTH

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

SPEED (KNTS) / DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	7.7	8.4	2.1	.0								18.3	4.1
NNE	4.4	4.3	.7									9.4	3.9
NE	5.2	5.7	.8									11.7	3.9
ENE	2.9	2.3	.3									5.5	3.7
E	1.6	1.2	.2									3.1	3.7
ESE	.6	.4	.0									.7	4.1
SE	.3	.3	.3	.0								.9	5.8
SSE	.3	.9	1.0	.1								2.2	6.3
S	.7	3.1	4.1	1.0								8.9	7.4
SSW	1.1	3.3	4.5	.6								9.6	6.9
SW	.8	1.3	1.2	.3								3.5	6.1
WSW	.2	.2	.1									.6	4.3
W	.1	.1										.3	3.3
WNW	.4											.4	2.4
NW	1.7	1.0	.4									3.7	4.0
NNW	7.3	7.6	1.1									16.0	3.9
VARBL													
CALM												5.4	
	34.9	40.0	10.8	2.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2158

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) JUL (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	8.4	6.7	1.2									16.2	3.7
NNE	3.1	2.4	.7									6.2	3.8
NE	4.5	2.5	.6									7.6	3.5
ENE	3.0	1.8	.2									5.0	3.3
E	1.2	.9	.3									2.4	4.0
ESE	.4	.4	.1									.9	4.2
SE	.3	.4	.7									1.5	5.8
SSE	.4	1.0	1.3	.0								2.8	6.3
S	.7	3.3	5.4	1.5								11.0	7.7
SSW	1.6	4.8	4.0	.6								10.9	6.2
SW	1.8	2.0	1.6	.1								5.5	5.2
WSW	.5	.1	.1									.7	2.9
W	.2	.1	.0									.4	4.0
WNW	.1	.2	.0									.4	4.6
NW	3.5	1.1	.2									4.7	3.2
NNW	9.0	7.0	.7									16.7	3.6
VARBL													
CALM												7.0	
	38.7	34.8	17.1	2.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2120

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 45-68 YEARS — JUL MONTH

ALL WEATHER CLASS — CONDITION —

0600-0800 HOURS (LST)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	8.8	5.1	1.1	.1								15.2	3.7
NNE	3.1	2.3	.4	.0								6.2	3.6
NE	4.1	1.0										6.3	3.2
ENE	2.6	1.8	.1									4.5	3.2
E	2.0	.7	.1									2.9	3.2
ESE	1.3	.4	.0									1.8	3.1
SE	1.0	1.2	.5									2.6	4.6
SSE	1.1	1.7	1.0	.1								4.6	5.8
S	1.9	8.1	7.5	.9								18.4	6.5
SSW	1.2	4.1	4.4	.9								10.7	6.6
SW	2.1	2.1	1.6	.2								6.1	5.1
WSW	.5	.5	.0									1.0	3.8
W	.2	.1	.0									.4	3.8
WNW	.1	.0										.2	3.3
NW	1.0	.7	.1									1.8	3.5
NNW	5.2	3.9	.0									9.4	3.9
VARBL													
CALM												8.0	
	36.8	33.1	17.8	2.9								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2160

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FNC (STATION NAME) 45-68 (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	5.0	3.9	2.8	.6	.0							12.5	5.1
NNE	2.4	1.2	.2									3.7	3.5
NE	1.9	.7										2.0	3.3
ENE	1.1	.6	.1									1.8	3.2
E	1.1	1.2	.0									2.3	3.7
ESE	1.5	.8	.1									2.4	3.2
SE	3.0	3.0	.4	.1								6.5	4.0
SSE	2.5	4.9	3.0	.3	.0							10.6	5.5
S	3.9	10.0	9.3	1.5								24.1	6.4
SSW	.9	3.7	3.5	.7								8.9	6.7
SW	.9	2.4	1.3	.1								4.7	5.6
WSW	.5	.8	.2									1.4	4.4
W	.6	.1	.0									.7	3.2
WNW	.0	.1										.2	3.8
NW	.9	1.0	.6									2.5	4.8
NNW	2.6	4.7	4.4	.2								12.0	5.7
VARBL													
CALM												3.7	
	27.2	39.1	26.1	3.7	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2161

USAF ETAC FORM 085 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-69 (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	2.6	6.8	8.1	.9	.0							18.4	6.6
NNE	1.3	1.0	.4	.1								2.9	4.6
NE	1.0	.6	.1									1.8	3.6
ENE	.5	.2	.1									.8	4.1
E	1.1	.7	.1									1.9	3.5
ESE	1.5	1.3	.2									3.0	3.7
SE	1.4	4.5	1.1	.0								7.5	4.7
SSE	2.1	5.3	3.1	.5								11.0	5.8
S	2.6	8.0	6.7	1.2								18.5	6.4
SSW	.8	1.9	2.0	.8	.1							5.6	7.2
SW	1.1	1.8	1.9	.1								4.9	5.9
WSW	.3	.7	.3	.0								1.4	5.4
W	.5	.6	.1									1.2	4.3
WNW	.5	.2	.1									.7	3.9
NW	.4	1.0	1.4	.3								3.1	7.0
NNW	1.8	4.4	8.2	1.1								15.4	7.1
VARBL													
CALM												2.0	
	20.0	39.0	33.9	5.0	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2160

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-08 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.3	6.2	13.0	2.0								23.4	7.3
NNE	1.1	1.0	.8	.0								3.0	5.2
NE	.9	.6	.4									1.9	4.5
ENE	.3	.5	.0									.9	4.4
E	.7	.9										1.6	3.7
ESE	1.0	1.3	.2									3.3	3.8
SE	1.9	2.9	.7									5.4	4.3
SSE	1.8	2.8	1.2	.0								5.8	4.9
S	1.7	5.1	4.0	.7								11.5	6.2
SSW	.7	1.9	2.0	1.0								5.5	7.3
SW	.8	1.6	2.4	.3								5.2	6.8
WSW	.3	.4	.6	.0								1.3	6.0
W	.4	.4	.4	.0								1.2	5.6
WNW	.2	.4	.1									.6	4.3
NW	.4	1.3	2.1	.4								4.2	7.1
NNW	1.3	3.4	14.3	1.8								23.0	7.7
VARBL													
CALM												2.1	
	16.3	32.8	42.3	6.9								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2161

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FNC (STATION NAME) 45-68 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.4	8.5	12.4	1.2	.0							24.5	6.9
NNE	1.1	1.6	1.8	.2								4.7	6.0
NE	.8	1.5	1.0	.0								3.4	5.4
ENE	.1	.5	.2									.8	4.8
E	.5	.4	.1									1.0	3.9
ESE	.6	.4										1.0	3.2
SE	1.2	.4	.0									1.6	3.1
SSE	.7	1.5	.6									2.7	5.0
S	1.9	3.3	2.8	.1								8.1	5.7
SSW	.8	1.8	2.6	.6								5.7	7.0
SW	1.0	1.0	1.8	.0								4.4	5.8
WSW	.3	.6	.4	.0								1.4	5.5
W	.5	.5	.1									1.1	4.0
WNW	.2	.2	.0									.5	4.3
NW	.8	3.9	3.3	.2								8.2	6.2
NNW	3.0	11.4	12.5	1.2								28.0	6.6
VARBL													
CALM												2.7	
	15.7	38.1	39.7	3.0	.0							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2158

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	6.1	11.0	7.4	.3								24.8	5.4
NNE	2.7	5.6	2.2	.1								10.6	5.1
NE	3.1	6.1	1.7									10.8	4.7
ENE	1.5	2.6	.4	.0								4.6	4.4
E	.6	.5	.1									1.3	3.7
ESE	.0	.1	.0	.0								.3	6.5
SE	.2	.2	.1	.0								.6	5.1
SSE	.3	.8	.6	.1								1.9	5.8
S	.7	2.1	3.2	.5								6.5	7.1
SSW	.7	2.5	2.8	.6								6.6	6.9
SW	1.1	1.8	.7	.0								3.7	4.8
WSW	.3	.2	.1	.0								.7	4.5
W	.2	.1										.4	3.3
WNW	.2	.1	.0									.4	3.3
NW	1.3	2.6	1.1	.0								5.0	5.0
NNW	4.0	9.2	3.4	.1								16.7	5.0
VARBL													
CALM												5.0	
	23.2	49.7	24.2	1.9								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2157

USAF ETAC JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	9.4	7.1	6.0	.6	.0							19.2	5.5
NNE	2.4	2.4	.9	.1								5.8	4.4
NE	2.6	2.3	.6	.0								5.7	4.0
ENE	1.6	1.2	.2	.0								3.0	3.7
E	1.1	.8	.1									2.0	3.7
ESE	.9	.7	.1	.0								1.7	3.6
SE	1.2	1.6	.5	.0								3.3	4.4
SSE	1.4	2.4	1.3	.1	.0							5.2	5.6
S	1.7	3.4	5.4	.9								13.4	6.6
SSW	1.0	2.0	3.2	.7	.0							8.0	6.6
SW	1.2	1.9	1.5	.2								4.7	5.7
WSW	.4	.4	.2	.0								1.1	4.8
W	.3	.3	.1	.0								.7	4.2
WNW	.2	.2	.0									.4	3.9
NW	1.2	1.0	1.1	.1								4.1	5.3
NNW	4.3	6.6	5.7	.6								17.1	5.7
VARBL													
CALM												4.5	
	26.6	36.1	27.2	3.5	.0							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 17275

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

0000-0200 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	7.7	7.4	1.1									16.2	3.9
NNE	2.5	3.2	.6	.0								6.3	4.0
NE	5.0	3.5	.6									9.1	3.6
ENE	2.5	2.3	.2									5.0	3.6
E	1.8	.6	.1									2.5	3.1
ESE	.5	.2	.1	.0								.9	4.3
SE	.2	.6	.1									.8	4.7
SSE	.4	1.2	.9	.0								2.5	5.9
S	1.5	4.0	5.4	1.0								11.8	7.0
SSW	1.2	3.7	4.3	.8	.0							10.1	6.8
SW	1.7	2.4	1.2	.2								5.5	5.2
WSW	.6	.5	.1									1.2	3.9
W	.5	.1										.5	2.8
WNW	.5	.1										.6	2.5
NW	3.1	2.0	.0									5.2	3.3
NNW	8.3	5.9	.9									15.1	3.7
VARBL													
CALM												6.4	
	38.0	37.8	15.6	2.1	.0							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2164

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.8	6.3	.6									13.8	3.7
NNE	1.9	2.0	.3									4.3	3.9
NE	2.8	3.0	.2									7.0	3.6
ENE	1.5	1.8	.2									3.5	3.8
E	1.2	.7	.1									2.0	3.3
ESE	.4	.0	.1	.0								.5	4.8
SE	.1	.6	.3	.0								1.1	5.6
SSE	.5	1.0	1.2									2.7	5.8
S	1.8	4.1	5.3	1.2	.0							12.3	6.9
SSW	1.9	4.1	5.9	1.1	.0							13.0	6.9
SW	2.5	3.2	1.6	.2								7.5	5.0
WSW	.9	.3	.1									1.4	3.5
W	.6	.1										.7	2.8
WNW	.5	.1	.0									.6	2.6
NW	2.5	1.7	.1									5.3	3.3
NNW	10.1	6.0	.4									16.5	3.4
VARBL													
CALM												7.8	
	37.4	39.4	16.4	2.5	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2163

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FNC	45-68	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

0600-0800 (HOURS (L S T))

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	8.7	5.1	1.0									14.9	3.5
NNE	3.0	1.7	.3									5.5	3.3
NE	4.0	2.0	.3									6.3	3.4
ENE	2.1	1.2	.2									3.4	3.4
E	1.9	1.2	.2									3.3	3.4
ESE	.5	.2	.1									.8	3.7
SE	1.2	.7	.2	.0								2.1	4.1
SSE	.0	1.9	1.4	.1								4.1	6.0
S	2.3	6.2	7.0	1.2	.1							16.7	6.7
SSW	1.9	5.8	5.5	.7								13.9	6.3
SW	2.0	3.4	1.6									7.0	4.9
WSW	.5	.5	.2									1.1	4.0
W	.8	.2	.0									1.0	2.6
WNW	.3	.0										.4	2.8
NW	1.5	.9										2.4	3.1
NNW	5.9	2.5	.6									9.1	3.4
VARBL													
CALM												8.0	
	37.7	33.4	18.7	2.0	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2165

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	3.8	3.4	.1								12.7	4.8
NNE	1.8	.5	.0									2.4	3.0
NE	1.0	.6	.0									2.2	2.9
ENE	1.1	.4	.1									1.7	3.4
E	1.7	.8	.1									2.6	3.2
ESE	1.4	1.0	.0									2.4	3.3
SE	3.1	2.3	.6									6.0	3.9
SSE	2.4	4.2	1.6	.0								8.2	4.8
S	3.3	7.6	8.9	1.5	.0							23.4	6.5
SSW	2.0	4.8	4.7	1.1	.0							12.6	6.6
SW	1.2	2.2	1.3	.3								5.1	5.7
WSW	.3	.6	.3									1.2	5.0
W	.6	.5	.1									1.2	4.0
WNW	.2	.2	.0									.5	3.6
NW	1.3	1.3	.4									3.0	4.1
NNW	2.9	3.6	2.5	.2								9.2	5.1
VARBL													
CALM												5.7	
	30.5	36.3	24.2	3.3	.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2168

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	2.9	5.0	6.5	.8								15.1	6.4
NNE	.8	.7	.2									1.8	4.1
NE	1.0	.5	.2									1.7	3.7
ENE	.4	.3	.1									.9	4.0
E	1.2	.5	.1									1.8	3.4
ESE	1.3	1.3	.1									2.7	3.7
SE	2.7	4.3	.6									7.5	4.2
SSE	2.3	4.9	2.1	.1								9.3	5.0
S	3.2	6.6	6.9	2.3								19.0	6.8
SSW	1.4	3.2	3.0	.9	.1							8.7	6.7
SW	1.6	2.1	1.3	.4								5.4	5.5
WSW	.8	1.4	.6	.0								2.7	5.4
W	.6	.7	.3									1.6	4.8
WNW	.3	.5	.2									1.0	5.2
NW	.9	2.1	1.8	.2								5.0	6.1
NNW	1.7	4.0	7.4	.4								13.5	6.8
VARBL													
CALM												2.3	
	22.8	36.1	31.0	5.1	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2164

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	5.5	9.4	1.3								18.6	7.1
NNE	.6	.6	.6	.1								1.9	5.5
NE	.8	.0	.4									1.8	4.6
ENE	.2	.5	.3									1.0	5.1
E	1.5	.9	.2									2.6	3.4
ESE	1.3	.7	.1									2.4	3.3
SE	1.8	2.6	.2									4.7	4.0
SSE	2.1	2.5	.7									5.4	4.3
S	2.5	5.8	4.2	.9								13.5	6.1
SSW	1.1	2.8	3.3	1.1								8.3	7.1
SW	.9	1.6	1.9	.5								5.0	6.6
WSW	.9	.8	.8	.0								2.5	5.3
W	.7	.5	.1	.0								1.8	4.3
WNW	.3	.3	.1									.9	4.4
NW	.9	2.1	3.1	.1								6.3	6.6
NNW	1.7	6.0	11.7	1.6								21.1	7.2
VARBL													
CALM												2.3	
	20.2	34.9	37.2	5.8								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2164

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-68 YEARS | AUG MONTH

ALL WEATHER CLASS | 1800-2000 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.5	7.0	7.9	.6								18.1	6.3
NNE	.9	1.8	1.9	.1								4.7	5.9
NE	.8	.9	.8	.0								2.6	5.4
ENE	1.1	.6	.4									2.1	4.1
E	1.3	.4	.1									1.8	3.4
ESE	.5	.3										.8	3.2
SE	.9	.6	.2									1.7	3.6
SSE	.6	.6	.6									1.9	5.0
S	1.8	3.4	3.3	.5								9.0	6.2
SSW	1.1	2.0	3.2	.7								7.1	6.9
SW	1.4	2.3	1.4	.3								5.5	5.7
WSW	.7	.5	.3	.0								1.6	4.6
W	.4	.3	.1									.8	3.4
WNW	.5	.3	.1									1.1	4.2
NW	2.6	5.8	3.0	.1								11.6	5.3
NNW	4.9	11.0	9.7	1.0								26.5	6.0
VARBL													
CALM												3.3	
	21.8	36.2	33.2	3.9								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2164

USAF ETAC FORM 208 AA 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24264 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) AUG (MONTH)

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.0	8.5	3.7	.0								18.3	4.7
NNE	3.3	4.9	1.6									9.8	4.6
NE	2.9	4.9	1.8									9.6	4.7
ENE	1.2	2.2	.7									4.1	4.6
E	.6	.8	.1									1.5	3.9
ESE	.2	.1	.0									.4	3.7
SE	.3	.3	.0									.7	3.9
SSE	.6	.8	.9	.0								2.3	5.6
S	1.2	2.3	3.7	.6								7.8	6.8
SSW	1.0	2.5	4.6	1.0								9.1	7.4
SW	1.6	2.5	.8	.1								4.9	4.7
WSW	.5	.1	.1									.7	3.6
W	.6	.0										.9	2.2
WNW	.2	.1										.3	2.6
NW	2.6	2.7	.8									6.2	4.2
NNW	6.9	10.1	2.8	.1								19.9	4.6
VARBL													
CALM												3.6	
	30.0	42.9	21.6	1.9								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 2163

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 6	7 10	11 16	17 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5,3	6,1	4,2	,4								16,0	5,1
NNE	1,9	1,9	,7	,0								4,6	4,3
NE	2,5	2,0	,5	,0								5,0	4,0
ENE	1,3	1,1	,3									2,7	3,9
E	1,4	,7	,1									2,3	3,4
ESE	,8	,5	,1	,0								1,4	3,6
SE	1,3	1,5	,3	,0								3,1	4,1
SSE	1,2	2,2	1,2	,0								4,5	5,1
S	2,2	5,3	5,6	1,1	,0							14,2	6,6
SSW	1,4	3,6	4,3	,9	,0							10,3	6,8
SW	1,8	2,5	1,4	,2								5,7	5,4
WSW	,8	,6	,3	,0								1,6	4,7
W	,6	,4	,1	,0								1,1	3,6
WNW	,3	,2	,1									,7	3,8
NW	2,1	2,3	1,2	,1								5,6	4,8
NNW	5,3	6,1	4,5	,4								16,3	5,2
VARBL													
CALM												4,9	
	29,9	37,1	24,8	3,3	,1							100,0	5,0

TOTAL NUMBER OF OBSERVATIONS 17315

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-58 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	9.1	5.8	.8	.1								15.9	3.6
NNE	2.4	1.9	.2									4.4	3.0
NE	3.0	2.3	.2									6.1	3.4
ENE	2.1	1.9	.4									4.3	3.9
E	1.2	.8	.1									2.1	3.5
ESE	.1	.2	.1									.4	4.7
SE	.5	.9	.5									1.9	5.2
SSE	.5	.9	.8	.2	.1							2.5	6.7
S	1.0	2.9	6.2	1.6	.3							13.0	7.7
SSW	1.0	2.4	4.0	1.0	.2							9.2	8.0
SW	1.4	.8	.7	.2								3.1	5.0
WSW	.5	.4	.0									.9	3.7
W	.0	.1										.7	3.0
WNW	.3	.2										.5	3.1
NW	2.6	2.4	.1									5.1	3.7
NNW	10.8	8.1	1.0	.1								20.1	3.8
VARBL													
CALM												9.7	
	37.0	32.9	15.3	3.9	.6							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2094

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 6	7 - 10	11 16	17 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.3	4.0	.9	.1								13.9	3.5
NNE	2.1	1.9	.5									4.5	4.1
NE	4.7	2.8	.1									7.2	3.4
ENE	1.6	2.0	.2									3.8	4.0
E	1.9	1.0	.2									3.1	3.6
ESE	.4	.2	.0									.5	4.5
SE	.7	.9	.5	.1								2.1	5.6
SSE	.5	1.3	1.6	.2	.0							3.8	6.6
S	1.8	3.6	5.6	2.0	.2							13.3	7.6
SSW	1.4	3.4	3.1	1.1	.3							9.3	7.3
SW	1.1	1.3	.4	.4	.0							3.2	5.4
WSW	.0	.3	.2	.0								1.1	4.2
W	.4	.2										.6	2.6
WNW	.4	.1										.5	2.9
NW	4.3	1.7	.1									6.2	3.0
NNW	9.9	5.8	.8									16.5	3.5
VARBL													
CALM												10.3	
	39.4	31.3	14.3	4.0	.7							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2097

USAF ETAC FORM JUL 64 0 8 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	8.3	4.2	1.6	.1								14.3	3.9
NNE	3.1	1.7	.3	.0								5.1	3.6
NE	4.4	3.1	.2									7.7	3.4
ENE	2.5	2.1	.2									4.8	3.6
E	2.1	1.6	.3									4.0	3.7
ESE	1.0	.4	.1									1.4	3.1
SE	1.0	1.0	.9	.0								2.9	5.2
SSE	.7	1.7	1.9	.2								4.5	6.4
S	2.2	3.9	6.3	2.1	.2	.0						14.7	7.5
SSW	1.9	2.6	4.1	.9	.1							9.5	6.7
SW	1.6	1.5	.6	.1								3.8	4.4
WSW	.2	.4	.0									.7	3.9
W	.5	.2	.0									.8	3.2
WNW	.5	.1	.0									.7	2.9
NW	2.8	1.4	.0									4.2	3.3
NNW	6.7	3.3	1.1									11.2	3.7
VARBL													
CALM												9.6	
	39.4	29.3	17.8	3.5	.3	.0						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2098

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.5	3.9	3.1	.7								14.2	4.9
NNE	2.1	.8	.2	.0								3.1	3.6
NE	1.8	1.0	.0	.0								2.9	3.3
ENE	1.3	.8	.1									2.2	3.3
E	3.0	.9	.1									4.0	3.0
ESE	1.8	.7	.0									2.5	3.1
SE	3.4	1.2	.3									5.0	3.4
SSE	2.2	3.2	1.8	.1								7.3	5.0
S	3.1	7.2	8.5	2.6	.0							21.4	7.0
SSW	1.8	3.0	3.2	1.1	.3							9.3	7.1
SW	1.2	1.3	1.0	.1	.0							3.7	5.6
WSW	.3	.4		.0								.8	4.1
W	.6	.3										1.0	3.1
WNW	.3	.2										.5	3.5
NW	1.7	.8	.4									2.9	3.7
NNW	2.9	3.9	3.4	.5								10.7	5.8
VARBL													
CALM												8.5	
	38.9	29.9	22.3	5.3	.4							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2095

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	4.2	3.5	6.0	1.0	.0							14.8	6.3
NNE	.9	.4	.3									1.6	4.1
NE	1.5	.3	.3	.0								2.0	3.6
ENE	.4	.3	.1									.8	4.3
E	.9	.6	.2									1.8	3.7
ESE	.6	1.0	.1									1.9	4.0
SE	2.0	2.9	.5	.0								6.0	3.8
SSE	2.4	3.4	1.9	.4	.0							8.1	5.3
S	2.8	7.5	7.2	2.7	.2							20.6	7.0
SSW	.9	1.8	2.2	1.4	.4							6.6	8.4
SW	1.5	1.7	1.0	.3	.2							4.8	6.0
WSW	.7	.5	.3	.1	.0							1.7	5.8
W	.5	.4	.0									1.0	3.6
WNW	.2	.2	.0									.6	4.2
NW	1.4	2.2	2.5	.1	.0							6.1	5.9
NNW	2.1	5.3	9.0	1.9								18.5	7.3
VARBL													
CALM												3.3	
	24.0	31.8	31.9	8.0	1.0							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2100

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FHC (STATION NAME) 45-68 (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	2.0	4.3	7.7	1.5								15.5	7.1
NNE	.3	1.0	.8	.0								2.1	5.9
NE	.8	1.0	.5	.0								2.3	5.0
ENE	.6	.4	.2									1.2	4.5
E	1.6	1.0	.0	.1								2.7	3.6
ESE	.6	.7	.2									1.5	4.2
SE	2.4	1.3	.2									4.0	3.5
SSE	1.9	1.5	1.1									4.5	4.8
S	2.1	3.4	4.7	2.4	.2	.0						14.9	7.3
SSW	1.4	1.8	3.2	.9	.4							7.8	7.8
SW	1.3	1.0	1.1	.5	.0							4.7	6.2
WSW	1.0	.7	.4	.2	.0							2.3	5.6
W	.7	.7										1.4	3.5
WNW	.5	.6	.1									1.2	4.1
NW	1.2	3.0	3.6	.1								7.9	6.1
NNW	2.1	6.8	12.1	1.9								22.9	7.2
VARBL													
CALM												3.2	
	20.6	31.0	36.2	7.7	.7	.0						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2100

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	6.2	7.3	4.2	.3								18.0	5.0
NNE	1.6	1.2	1.0	.1								3.8	4.9
NE	1.8	1.8	.7									4.2	4.4
ENE	1.3	1.0	.2									2.5	3.6
E	1.4	1.3	.4	.0								3.0	4.2
ESE	.8	.7	.3									1.3	5.0
SE	.7	.8	.4									1.9	4.5
SSE	.9	1.0	.6	.1								2.6	5.3
S	1.0	3.2	4.1	1.6	.2							10.0	7.7
SSW	1.1	1.6	2.6	1.0	.6	.0						6.9	8.3
SW	1.7	1.1	.8	.3	.0							3.9	5.3
WSW	.9	.3	.1	.1								1.0	4.3
W	.8	.2			.0							1.0	3.7
WNW	.2	.3										.5	3.7
NW	3.0	4.6	1.3	.0								9.3	4.3
NNW	6.6	12.3	4.8	.3								23.9	4.9
VARBL													
CALM												5.9	
	29.4	38.3	21.4	3.9	.9	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2097

USAF ETAC FORM JUL 64 0 8-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-60 (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	7.9	9.3	1.4	.1								18.7	4.1
NNE	2.2	2.6	.5									5.4	4.0
NE	3.3	2.7	.7	.0								6.7	4.0
ENE	1.3	1.8	.4									3.5	4.4
E	1.6	1.1	.2									3.2	3.7
ESE	.3	.3	.1									.7	4.4
SE	.3	.6	.3	.0								1.3	5.5
SSE	.9	1.5	1.1	.1								3.1	5.8
S	1.3	2.0	5.2	2.1	.2							11.4	8.0
SSW	1.2	2.4	2.6	1.6	.2							7.9	7.7
SW	1.0	.6	.8	.3								2.8	6.1
WSW	.2	.1	.0									.4	3.3
W	.3	.0	.0									.4	3.0
WNW	.3	.0	.0									.4	3.2
NW	3.0	2.2	.1									5.3	3.6
NNW	8.9	9.9	1.5	.1								20.4	4.0
VARBL													
CALM												8.4	
	33.9	37.0	15.0	4.3	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 2097

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	6.6	5.4	3.2	.3	.0							15.7	4.8
NNE	1.8	1.4	.5	.0								3.8	4.1
NE	2.7	1.9	.4	.0								4.9	3.7
ENE	1.4	1.3	.2									2.9	3.9
E	1.7	1.0	.2	.0								3.0	3.6
ESE	.9	.5	.1									1.3	3.9
SE	1.5	1.1	.4	.0								3.1	4.2
SSE	1.2	1.8	1.3	.2	.0							4.6	5.6
S	1.9	4.7	6.0	2.1	.2	.0						14.9	7.4
SSW	1.3	2.4	3.1	1.2	.3	.0						8.3	7.6
SW	1.4	1.2	.8	.3	.1							3.8	5.5
WSW	.5	.4	.1	.1	.0							1.1	4.7
W	.5	.3	.0		.0							.9	3.3
WNW	.4	.2	.0									.6	3.5
NW	2.6	2.3	1.0	.0	.0							5.9	4.4
NNW	6.2	6.9	4.2	.6								18.0	5.1
VARBL													
CALM												7.4	
	32.3	32.8	21.8	5.1	.6	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 10703

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 45-68 YEARS — LCT 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	4.4	1.5	.3								12.3	4.2
NNE	1.6	1.1	.6	.1								3.3	4.3
NE	2.7	2.3	.3									5.3	3.8
ENE	1.7	1.2	.1	.0								3.0	3.7
E	1.7	1.8	.2									3.7	3.8
ESE	.5	.6	.2									1.2	4.5
SE	1.0	.9	.9	.1								2.9	5.6
SSE	1.0	2.1	2.5	.3	.1	.0						6.0	7.0
S	2.7	4.6	7.4	3.5	.5	.2						18.8	8.0
SSW	1.0	1.8	3.7	2.1	.6							9.1	8.9
SW	.8	1.1	.5	.3								2.7	5.8
WSW	.3	.1	.3	.0								.8	5.6
W	.4	.1	.1									.6	3.8
WNW	.3	.1										.4	2.3
NW	2.8	1.5	.5	.0								4.8	3.7
NNW	6.0	4.8	1.6	.1								12.5	4.2
VARBL													
CALM												12.5	
	30.4	28.4	20.3	7.0	1.2	.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2170

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 55-63 YEARS | OCT MONTH

ALL WEATHER CLASS | 0300-0500 HOURS (LST)

CONDITION

SPEED (KNTS) / DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.9	3.4	1.9	.2								11.4	4.4
NNE	1.8	1.2	.5	.1								3.6	4.3
NE	3.2	2.6	.4	.1								6.4	3.8
ENE	1.8	1.7	.4									3.9	4.1
E	2.2	.9	.3									3.4	3.6
ESE	.4	.4	.3	.0								1.1	5.1
SE	1.1	1.2	1.1	.2		.0						3.5	5.7
SSE	1.0	2.4	2.0	.7	.1							6.2	6.9
S	2.2	4.9	7.2	3.5	.8	.0						18.6	8.2
SSW	.9	2.0	3.4	2.9	.5	.1						10.4	8.9
SW	.8	1.0	.7	.4								2.8	3.2
WSW	.3	.6	.4									1.2	5.3
W	.0	.3										.8	3.1
WNW	.2	.1										.6	2.8
NW	2.7	.9	.3									3.9	3.4
NNW	6.1	2.3	1.1	.1	.1							10.7	4.0
VARBL													
CALM												11.4	
	31.3	27.3	20.0	8.2	1.5	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2170

USAF ETAC FORM JUL 64 0 8 5 (OL 1) *PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 45-68 YEARS — OCT MONTH

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

CONDITION

SPEED (KNTS), DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.6	3.2	1.9	.1								10.0	4.6
NNE	1.6	1.1	.6									3.3	4.2
NE	3.5	2.1	.4									6.0	3.5
ENE	1.9	2.5	.3									4.7	4.0
E	2.6	1.7	.2	.0								4.0	3.7
ESE	.4	.6	.2	.3								1.4	5.1
SE	.9	1.4	.9	.3								3.5	5.7
SSE	1.5	2.4	2.2	.7	.1							6.9	6.6
S	2.5	5.4	7.9	3.6	.5							20.2	8.0
SSW	1.4	2.8	3.2	2.5	.3	.2						10.4	8.4
SW	1.2	1.1	.6	.3	.0	.0						3.4	5.8
WSW	.4	.5	.1	.0								1.1	4.4
W	.0	.1	.0									.7	2.9
WNW	.4	.1	.1									.6	3.8
NW	2.4	1.1	.5	.1								4.1	4.0
NNW	3.7	2.7	1.2									7.7	4.1
VARBL													
CALM												12.1	
	29.4	28.3	20.5	8.1	1.0	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2109

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FHC STATION NAME — 45-60 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	4.7	2.9	2.8	.6								10.6	5.0
NNE	1.4	1.0	.4	.0								2.8	4.3
NE	2.9	.9	.4									4.2	3.4
ENE	1.3	.0	.1									2.0	3.4
E	2.2	.0	.2	.1								3.1	3.3
ESE	1.4	.0	.3		.0							2.4	4.1
SE	3.3	1.6	1.0	.4								6.2	4.6
SSE	2.4	2.7	2.7	.0								8.4	5.9
S	3.7	6.0	8.2	5.0	.8	.0						23.9	8.0
SSW	1.3	1.8	4.1	2.6	.7	.0						10.6	9.1
SW	.9	1.2	.7	.4	.2							3.4	6.9
WSW	.5	.2	.4	.1								1.2	5.6
W	.3	.1	.0									.5	3.3
WNW	.2	.1										.4	3.6
NW	.8	.0	.3	.0								1.9	4.8
NNW	2.2	2.1	2.4	.3	.0							7.1	5.0
VARBL													
CALM												11.2	
	29.4	22.9	24.2	10.3	1.8	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2170

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) OCT (MONTH)

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

CONDITION

SPEED (KNTS) DIR	1 3	4 - 6	7 10	11 16	17 - 21	22 27	28 - 33	34 - 40	41 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.9	3.8	.8								10.1	6.2
NNE	.6	.3	.3	.3								1.9	5.5
NE	.8	.5	.5									1.8	4.9
ENE	.8	.5	.5	.0								1.1	6.6
E	1.3	.6	.6	.0								2.9	4.5
ESE	.8	.0	.2	.1								1.8	4.7
SE	.9	1.0	.8	.3								6.3	4.3
SSE	2.4	3.3	2.5	.7		.1						8.8	6.1
S	3.6	7.4	7.3	4.4	1.1	.1						24.0	7.9
SSW	1.6	2.0	4.0	3.6	.6	.1						12.2	9.1
SW	1.2	1.4	1.2	1.1	.3							5.1	7.9
WSW	.5	.2	.1		.1							.9	5.4
W	.6	.5	.1	.0								1.3	4.2
WNW	.2	.0	.1									.4	4.4
NW	.9	.9	1.3	.1								3.2	5.8
NNW	2.0	3.2	4.1	1.1	.0							10.4	6.8
VARBL													
CALM												7.9	
	23.4	26.4	27.5	12.6	2.0	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2170

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 16	17 21	22 - 27	28 - 33	34 40	41 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2,7	3,0	4,3	,6								10,6	6,2
NNE	,8	,6	,7	,2								2,3	5,7
NE	1,1	,7	,5	,2								2,5	5,1
ENE	,4	,8	,5									1,7	5,3
E	,6	1,1	,7	,1								2,5	5,5
ESE	,5	,5	,3	,1								1,3	5,4
SE	1,6	1,2	1,1	,0								3,9	4,8
SSE	1,6	2,3	1,6	,7	,1	,2						6,7	6,8
S	3,4	5,3	6,3	4,1	,6							19,7	7,8
SSW	1,6	2,0	3,6	3,3	,4	,1						11,1	9,0
SW	1,3	1,1	,8	,5	,1							4,1	6,4
WSW	,6	,3	,3	,1	,1							1,3	6,4
W	,9	,6	,1	,1								1,7	4,0
WNW	,6	,6	,2									1,3	4,3
NW	1,9	3,3	1,9	,2								7,2	5,3
NNW	2,7	5,0	5,2	1,3	,0							14,9	6,4
VARBL													
CALM												7,1	
	22,4	29,0	28,0	11,7	1,4	,3						100,0	6,2

TOTAL NUMBER OF OBSERVATIONS 2169

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24234 STATION — SEATTLE WASHINGTON FWC STATION NAME — 45-64 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	5.0	5.7	2.5	.3								13.4	4.7
NNE	1.4	1.0	.0									2.4	3.4
NE	1.5	1.8	.6									3.9	4.4
ENE	1.2	1.2	.2									2.6	4.2
E	1.7	1.2	1.1	.0								4.0	4.8
ESE	.4	.5	.5									1.6	4.9
SE	1.4	1.8	1.6	.2								4.9	5.0
SSE	1.4	2.0	1.8	.4	.0	.0						5.9	6.1
S	2.3	4.2	6.6	3.2	.7	.1						17.1	8.3
SSW	.6	1.8	3.5	2.1	.4	.0						8.3	9.1
SW	.0	.0	.7	.2	.0							2.3	6.4
WSW	.4	.4	.1	.1								1.0	5.7
W	.3	.2	.3									.9	5.5
WNW	.2	.3	.1									.6	4.5
NW	2.8	2.9	.9	.0								6.7	4.1
NNW	6.3	7.4	2.1	.2								16.0	4.4
VARBL													
CALM												9.2	
	27.1	32.7	22.7	6.8	1.2	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2170

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-60 (YEARS) OCT (MONTH)

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

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.9	5.4	1.7	.1								14.2	4.1
NNE	1.3	1.4	.4									3.1	4.0
NE	2.2	1.9	.3									4.3	3.7
ENE	1.4	.9	.1	.0								2.5	3.7
E	1.9	1.7	.4	.0								4.0	3.9
ESE	.5	.8	.3	.1								1.7	5.1
SE	.9	1.7	1.7	.1	.0							4.3	6.1
SSE	1.1	1.8	2.2	.6	.1	.0						5.9	6.9
S	2.1	4.2	7.8	3.4	.5		.0	.0				18.0	8.4
SSW	.6	1.7	3.6	2.3	.6	.0						8.7	9.4
SW	.6	.7	.7	.2	.0							2.4	6.3
WSW	.1	.3	.3									.6	6.1
W	.3	.1		.0								.5	4.1
WNW	.2	.1										.3	3.3
NW	1.9	1.5	.8	.0								4.3	4.6
NNW	6.3	6.2	1.3	.1								14.0	4.1
VARBL													
CALM												11.1	
	28.3	30.5	21.6	7.1	1.2	.1	.0	.0				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2107

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24246 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-60 (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	4.8	3.0	2.5	.4								11.6	4.9
NNE	1.3	1.0	.4	.1								2.8	4.4
NE	2.2	1.6	.4	.0								4.3	3.9
ENE	1.2	1.2	.3	.0								2.7	4.1
E	1.7	1.2	.5	.1								3.5	4.1
ESE	.6	.6	.3	.1	.0							1.6	4.9
SE	1.7	1.4	1.1	.2	.0	.0						4.5	5.2
SSE	1.5	2.4	2.2	.6	.1	.1						6.8	6.3
S	2.8	5.2	7.3	3.9	.7	.1	.0	.0				20.0	8.0
SSW	1.2	2.1	3.6	2.7	.5	.1						10.1	9.0
SW	1.0	1.0	.7	.4	.1	.0						3.2	6.6
WSW	.4	.3	.3	.1	.0							1.0	5.6
W	.5	.3	.1	.0								.9	3.9
WNW	.3	.2	.1									.6	3.9
NW	2.0	1.5	.8	.1								4.5	4.5
NNW	4.4	4.4	2.4	.4	.0							11.7	5.0
VARBL													
CALM												10.3	
	27.7	28.3	23.1	9.0	1.4	.2	.0	.0				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 17359

USAF ETAC FORM JUL 64 0-8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	4.6	3.2	1.2	.5								9.5	4.4
NNE	1.5	1.3	.4									3.2	4.1
NE	3.2	1.9	.1									5.3	3.4
ENE	1.9	1.7	.2									3.7	3.7
E	2.4	2.1	.4	.1								5.0	4.0
ESE	.6	.7	.6	.0								1.9	5.1
SE	1.2	1.6	1.1	.2	.1							4.2	5.8
SSE	1.4	1.4	2.6	.7	.0							6.2	7.0
S	2.8	4.2	7.5	4.6	1.0	.1	.0					20.4	8.7
SSW	1.1	1.8	2.8	2.2	.9							8.7	9.3
SW	.8	1.3	1.0	.9	.2	.1						3.8	7.3
WSW	.0	.3	.1									.5	5.8
W	.4	.2										.6	2.6
WNW	.0	.1	.1									.3	5.0
NW	2.0	1.2	.4	.0								3.6	4.0
NNW	4.8	3.1	1.3	.3	.1							11.8	4.7
VARBL													
CALM												11.5	
	28.7	28.0	20.1	9.2	2.3	.2	.0					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2093

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	5.3	4.4	.8	.4	.0							10.9	4.1
NNE	1.6	1.4	.6	.1								3.7	4.7
NE	2.9	2.1	.2									5.2	3.5
ENE	1.7	1.5	.5	.0								3.8	4.2
E	2.5	1.7	.5	.0								4.8	3.7
ESE	.4	.6	.3	.3								1.6	6.4
SE	1.3	1.7	.9	.2								4.1	5.3
SSE	1.1	1.8	1.9	1.1	.2							6.0	7.5
S	3.0	4.9	6.8	5.6	.9	.0						21.2	8.5
SSW	1.0	3.1	2.2	2.2	.8	.1						9.5	8.9
SW	.6	1.0	1.1	.7	.1							3.7	7.4
WSW	.3	.3	.0									.9	3.3
W	.3	.2	.1									.8	3.4
WNW	.3											.3	2.6
NW	2.2	1.2	.5	.0								4.0	4.0
NNW	3.9	3.5	1.4	.4	.0							9.3	4.7
VARBL													
CALM												10.4	
	29.0	29.4	17.7	11.2	2.2	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2093

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	4.0	3.8	1.5	.2	.1							10.2	4.4
NNE	1.3	1.2	.5									3.1	4.3
NE	2.5	2.3	.3									5.2	3.8
ENE	2.1	2.0	.3									4.3	3.9
E	2.6	1.4	.2									4.3	3.3
ESE	.5	.9	.3	.2								1.9	6.1
SE	1.1	1.5	.9	.1								3.7	5.4
SSE	1.3	2.0	2.1	1.0	.3							6.7	7.3
S	3.1	5.3	7.7	4.5	.6	.0						21.3	8.0
SSW	1.5	2.3	3.1	2.8	.7	.1						10.5	8.9
SW	1.3	.8	.9	.3	.0			.0				3.4	6.3
WSW	.2	.4	.1									.8	4.6
W	.6	.1	.0									.8	3.0
WNW	.1	.1										.3	2.8
NW	2.4	1.0	.2	.2								3.7	3.9
NNW	4.1	2.5	1.9	.3	.0							8.9	4.9
VARBL													
CALM												11.2	
	29.3	27.5	20.2	9.7	1.9	.1		.0				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2094

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (LST))

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 - 10	11 - 16	17 - 21	22 27	28 33	34 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	2.8	2.1	.5	.1	.0						9.3	5.3
NNE	1.7	1.2	.3	.1								3.4	4.2
NE	2.5	2.0	.2									4.7	3.7
ENE	1.8	1.3	.5									3.6	4.1
E	2.5	1.9	.4	.0								4.9	3.8
ESE	1.1	.8	.1	.2		.0						2.3	5.0
SE	2.1	1.3	.9	.2								4.5	4.7
SSE	1.7	2.5	1.9	.0	.1							6.8	6.3
S	3.4	5.9	8.4	5.0	1.1	.2						23.8	8.5
SSW	1.6	2.8	4.0	3.1	.4	.1						11.9	8.6
SW	1.3	1.0	1.2	.1	.2	.0						3.9	6.4
WSW	.3	.3	.2	.0								.9	4.9
W	.5	.2										.7	3.1
WNW	.1	.2										.3	3.6
NW	.9	.7	.2	.2								2.0	4.8
NNW	1.9	1.9	1.5	.4	.1							5.8	5.8
VARBL													
CALM												11.4	
	27.0	20.6	21.8	10.5	2.2	.5						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2094

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION N "E" — 45-68 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	2,9	2,2	3,6	1,1	,3	,0						10,2	6,8
NNE	,9	,7	,5	,1								2,2	4,9
NE	1,1	,9	,3	,1								2,4	4,4
ENE	1,4	,8	,3	,0								2,5	3,8
E	1,3	,9	,8	,2								3,2	5,2
ESE	1,3	,5	,6	,2								2,9	5,1
SE	2,6	1,1	1,0	,2	,1							5,3	4,8
SSE	2,3	1,8	1,7	1,2	,0							7,1	6,5
S	4,6	5,8	8,4	5,4	1,3	,2						25,7	8,3
SSW	1,5	2,4	3,2	3,1	,8	,1						11,1	9,2
SW	1,3	1,4	1,0	1,1	,1	,1						5,0	7,4
WSW	,4	,3	,1									1,0	4,4
W	,3	,3	,1	,0								,9	4,6
WNW	,2	,1										,3	3,3
NW	,8	,6	,6	,2								2,2	5,4
NNW	1,0	2,1	3,0	,9	,3							7,9	7,2
VARBL													
CALM												10,2	
	24,9	22,2	25,2	13,9	3,1	,5						100,0	6,3

TOTAL NUMBER OF OBSERVATIONS 2094

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FAC (STATION NAME) 45-68 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1 3	4 6	7 - 10	11 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.3	3.1	1.4								9.0	6.7
NNE	.8	.8	1.0									2.6	5.4
NE	.9	1.7	.3									2.9	4.5
ENE	1.0	1.1	.5	.0								2.6	4.6
E	1.4	2.2	1.2	.1								5.0	5.2
ESE	1.1	1.1	.8	.2								3.2	5.4
SE	1.8	2.0	2.1	.4	.0							6.3	5.9
SSE	1.2	2.6	2.1	.9	.0							6.8	6.8
S	3.9	5.3	7.5	5.3	.8	.1						23.0	8.3
SSW	1.1	1.9	2.8	2.4	.4	.2						8.9	9.2
SW	1.6	.9	1.1	.7	.2	.0						4.5	7.1
WSW	.2	.2	.1	.1								.7	5.5
W	.4	.3	.1									.8	4.3
WNW	.1	.2	.0									.4	4.6
NW	1.2	1.3	.7	.1								3.4	4.9
NNW	1.8	3.2	3.1	1.1	.3							9.6	7.0
VARBL													
CALM												10.3	
	20.7	27.2	26.6	12.9	1.8	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2094

USAF ETAC FORM JUL 74 0-6-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FWC	45-68	NOV
STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		1800-2000
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.4	4.3	1.9	.7	.0	.0						10.2	5.4
NNE	1.1	1.1	.4	.1								2.8	4.6
NE	1.9	1.6	.5									4.1	4.1
ENE	1.5	1.9	.2									3.6	4.1
E	2.2	2.1	.9		.0							5.2	4.5
ESE	.8	.9	.5	.2								2.4	5.4
SE	2.0	2.3	1.9	.4								6.7	5.7
SSE	1.2	2.0	2.2	.9	.1	.0						6.4	6.9
S	2.7	3.7	7.1	5.5	.2	.1						19.5	8.3
SSW	.8	1.9	2.4	2.4	.4	.1	.0					8.0	9.5
SW	.9	.9	.9	1.0	.2							3.8	8.2
WSW	.4	.2	.1									.7	3.7
W	.2	.0										.2	2.6
WNW	.4	.2	.0									.6	3.7
NW	1.8	1.5	.6	.1								4.0	4.7
NNW	4.2	4.4	2.2	.3	.1							11.2	5.0
VARBL													
CALM												10.5	
	25.9	29.1	21.7	11.7	1.2	.3	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2093

USAF ETAC FORM JUL 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 45-50 YEARS — NOV MONTH

ALL WEATHER CLASS — 2100-2300 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.4	4.4	2.2	.2								12.1	4.5
NNE	1.3	1.1	.2	.0								2.9	3.9
NE	2.4	1.4	.3									4.2	3.6
ENE	2.6	1.0	.2									4.0	3.8
E	2.3	1.9	.4	.0								4.9	3.8
ESE	.9	.4	.3	.1								1.8	5.6
SE	1.1	1.9	1.3	.2								4.5	5.3
SSE	.8	2.8	2.4	.5	.1							6.7	6.9
S	2.4	4.7	7.5	5.6	.8	.5						21.5	9.0
SSW	1.2	1.2	2.7	2.1	.5	.2	.0					7.9	9.6
SW	.6	1.1	.8	.5	.1	.1						3.2	7.7
WSW	.2	.3	.0	.0								.6	4.6
W	.3	.1										.5	2.6
WNW	.2											.2	1.8
NW	2.1	1.2	.1	.0	.0	.1						3.6	4.4
NNW	4.3	3.3	1.1	.3	.1							9.8	4.8
VARBL													
CALM												11.4	
	28.2	27.6	20.1	9.7	1.8	.9	.0					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2091

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-68 YEARS | NOV MONTH

ALL WEATHER CLASS | ALL HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.4	2.0	.6	.1	.0						10.2	5.2
NNE	1.3	1.1	.5	.1								3.0	4.5
NE	2.2	1.7	.3	.0								4.2	3.8
ENE	1.7	1.3	.3	.0								3.5	4.0
E	2.4	1.8	.6	.1	.0							4.6	4.2
ESE	.8	.7	.5	.2		.0						2.2	5.5
SE	1.7	1.7	1.3	.3	.0							4.9	5.4
SSE	1.4	2.1	2.1	.9	.1	.0						6.6	6.9
S	3.2	5.0	7.6	5.2	.8	.2	.0					22.1	8.5
SSW	1.4	2.2	2.9	2.3	.6	.1	.0		.0			9.6	9.1
SW	1.1	1.1	1.0	.6	.2	.0						3.9	7.2
WSW	.3	.3	.1	.0								.8	4.5
W	.4	.2	.0	.0								.7	3.4
WNW	.2	.1	.0									.3	3.5
NW	1.6	1.1	.4	.1	.0	.0						3.3	4.5
NNW	3.3	3.3	2.0	.5	.1							9.3	5.4
VARBL													
CALM												10.9	
	26.6	27.2	21.7	11.1	2.1	.4	.0	.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 16746

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FAC STATION NAME — 45-68 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	3.7	2.2	1.2	.1	.0							7.2	4.4
NNE	1.0	1.2	.5									2.7	4.3
NE	2.4	2.1	.4									4.8	3.8
ENE	2.5	1.8	.3	.0								4.7	3.8
E	2.4	1.8	.2		.1		.1					4.7	4.4
ESE	.8	.8	.3	.2	.0							2.1	6.0
SE	1.4	1.8	.8	.3	.0							4.3	5.4
SSE	1.3	1.6	1.8	.7	.1							5.5	6.8
S	2.4	5.0	8.5	5.2	1.5	.1						22.6	9.0
SSW	1.2	2.4	4.5	3.0	1.1	.5						12.8	10.0
SW	1.0	1.0	1.2	.5	.1							3.8	7.0
WSW	.2	.4	.3	.0								.9	6.0
W	.5	.2	.1									.8	3.7
WNW	.1	.2										.3	3.4
NW	1.6	.6	.2	.1	.0							2.5	4.1
NNW	3.4	3.4	.6	.1	.1	.1						7.7	4.6
VARBL													
CALM												12.4	
	25.8	26.6	20.9	10.4	3.3	.7	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2169

USAF ETAC FORM 0-8-5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FRC STATION NAME | 45-66 YEARS | DEC MONTH

ALL WEATHER CLASS | 0300-0500 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.4	1.0	.3	.0	.1						6.8	3.0
NNE	1.3	1.0	.5	.0								2.8	4.5
NE	1.9	1.0	.2									3.9	3.9
ENE	2.0	1.5	.3	.0								3.9	3.8
E	2.9	1.5	.1	.0			.1					5.0	4.1
ESE	.9	.9	.3	.3								2.4	5.3
SE	1.4	1.9	1.0	.3								4.6	5.2
SSE	1.3	2.8	1.7	.7	.1							6.6	6.9
S	2.6	4.8	7.6	6.3	1.0	.0						22.5	8.9
SSW	1.2	2.5	4.0	2.9	1.1	.3						12.0	9.6
SW	.8	1.5	1.0	1.2	.0	.0						4.6	7.8
WSW	.4	.4	.3	.0								1.1	5.4
W	.3	.3	.0	.1								.8	5.3
WNW	.2	.1	.1									.4	4.4
NW	.9	.8	.2	.1	.0							2.1	4.7
NNW	3.7	3.1	1.7	.2								8.6	4.7
VARBL													
CALM												12.1	
	24.8	27.4	20.0	12.8	2.4	.5	.1					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2170

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	2.9	2.3	1.0	.2	.0							6.4	4.5
NNE	1.2	1.1	.5	.1								2.8	4.7
NE	2.5	1.8	.4	.0								4.8	3.8
ENE	1.6	2.3	.7	.0								4.6	4.4
E	2.0	1.9	.8				.1					4.8	4.8
ESE	.8	.8	.5	.4	.1							2.4	5.9
SE	1.3	1.3	.9	.2								3.7	5.1
SSE	1.4	2.1	2.4	.8								6.6	6.7
S	2.9	5.2	8.2	5.5	1.1	.2						23.1	8.8
SSW	1.2	2.4	4.0	2.8	.8							11.3	9.0
SW	.9	1.1	.8	.5	.1	.0						3.4	7.1
WSW	.6	.3	.5	.1								1.5	5.7
W	.8	.1	.1	.1								1.2	4.3
WNW	.4	.2		.0								.6	4.1
NW	1.4	.7	.4	.0	.1							2.7	5.1
NNW	2.9	2.9	1.6	.5	.0	.0						7.9	5.4
VARBL													
CALM												12.3	
	24.0	20.5	22.6	11.2	2.4	.3	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2106

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244	SEATTLE WASHINGTON FWC	45-68	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 - 21	22 - 27	28 - 33	34 40	41 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.4	1.7	.6	.0							8.1	5.4
NNE	1.1	1.2	.3	.1								2.7	4.5
NE	2.2	1.9	.2	.0								4.4	3.7
ENE	2.1	1.5	.2	.1								3.9	3.7
E	2.3	1.5	.4	.3								4.5	4.4
ESE	.7	.5	.3	.1		.2						1.8	7.0
SE	2.0	1.5	1.3	.1								5.0	5.1
SSE	1.0	2.1	2.5	.5	.1							6.9	6.4
S	3.4	5.9	9.0	7.0	1.2	.3	.0					26.7	8.8
SSW	1.1	3.0	4.2	3.5	.8	.4	.0					13.0	9.9
SW	.9	1.2	1.2	.6	.1	.0						4.1	7.3
WSW	.3	.1	.1	.3	.0							.9	7.6
W	.6	.1	.1									.8	3.7
WNW	.2	.1	.0									.4	3.9
NW	1.0	.4	.3	.1								1.9	5.0
NNW	2.1	1.9	1.2	.2								5.4	5.1
VARBL													
CALM												9.7	
	25.0	25.3	23.1	13.6	2.3	.9	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2165

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-68 YEARS | DEC MONTH

ALL WEATHER CLASS | 1200-1400 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34 40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.8	2.4	.8	.2							7.8	6.3
NNE	.8	1.2	.8	.1								2.9	5.3
NE	1.4	1.2	.4	.0								3.1	4.0
ENE	1.9	1.2	.5	.0	.0							3.1	4.4
E	2.6	1.7	.5	.2								4.6	4.3
ESE	.7	.8	.5	.4	.2	.0						2.6	7.6
SE	2.0	1.2	.7	.3	.0	.0						4.3	5.2
SSE	1.6	2.3	2.1	.6	.0							6.7	6.4
S	4.4	5.2	9.7	5.6	1.8	.2						27.0	8.6
SSW	1.1	2.0	3.7	4.1	2.3	.2						14.3	10.5
SW	1.1	1.1	1.0	.9	.4							4.4	8.2
WSW	.3	.2	.3	.2	.1							1.1	8.3
W	.3	.2										.5	3.5
WNW	.1											.1	2.3
NW	.0	.4	.4	.2								1.6	5.9
NNW	1.3	1.8	1.5	.6	.1							5.3	6.5
VARBL													
CALM												10.5	
	21.9	23.3	24.4	14.0	5.4	.5						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2104

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-63 (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	1.8	2.4	2.2	1.0	.2							7.6	6.7
NNE	.7	1.0	1.2	.2								3.0	6.2
NE	1.0	1.3	.6	.0								3.5	4.4
ENE	1.4	1.2	.3	.0								3.0	4.3
E	2.3	2.0	.3	.2								4.8	4.3
ESE	1.0	1.0	.6	.4								3.0	6.0
SE	1.8	1.8	1.2	.4								5.2	5.7
SSE	1.2	2.1	2.1	.6	.2	.0						6.2	6.9
S	3.3	5.3	7.2	6.1	2.0	.2						24.2	9.1
SSW	1.5	2.3	3.9	3.7	1.6	.5						13.4	10.3
SW	1.9	1.2	.9	.9	.1	.0	.0					4.4	7.2
WSW	.9	.4	.1	.1	.1							1.1	6.9
W	.7	.0	.1	.0								.9	4.0
WNW	.1	.4	.1									.6	4.8
NW	1.7	.8	.7	.1								3.2	4.5
NNW	1.3	2.4	1.7	.3								5.9	5.3
VARBL													
CALM												10.0	
	22.0	29.6	23.3	14.1	4.2	.8	.0					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2169

USAF ETAC FORM JUL 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON INC STATION NAME | 95-08 YEARS | DEC MONTH

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

CONDITION

SPEED (KNTS) DIR	1 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.6	1.9	.5	.1							7.8	5.6
NNE	1.1	1.0	.6	.0								2.7	4.6
NE	2.2	1.8	.5									4.5	3.9
ENE	1.8	1.7	.3									3.8	3.8
E	2.0	2.2	.6	.1								5.5	4.1
ESE	1.1	1.0	.5	.4	.1	.0						3.1	6.2
SE	1.9	1.8	1.0	.6								5.2	5.4
SSE	1.8	2.2	2.7	.8	.2	.0						7.2	7.3
S	2.6	4.8	7.7	5.9	.8	.5	.0					22.0	9.2
SSW	1.0	1.8	3.5	3.7	1.3	.2	.0					11.5	10.6
SW	.6	.9	.8	.8	.1	.0						3.3	8.2
WSW	.4	.2	.1	.0								.6	6.3
W	.2	.3										.6	3.6
WNW	.1	.0	.1	.0								.3	8.1
NW	1.2	.9	.5	.2								2.8	4.9
NNW	3.1	3.0	1.3	.3	.0							7.8	4.8
VARBL													
CALM												11.2	
	23.9	26.2	22.1	13.4	2.7	.8	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2167

USAF ETAC FORM 0 8 5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-68 YEARS | DEC MONTH

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.1	2.5	1.9	.2								7.8	5.0
NNE	.9	.8	.2		.0							1.9	4.4
NE	2.2	1.8	.3	.0		.0						4.4	4.0
ENE	1.9	1.8	.2	.0								3.9	4.0
E	2.7	1.8	.6	.1								5.2	4.1
ESE	.6	.9	.5	.3	.1	.1						2.6	7.4
SE	1.3	1.3	1.1	.3								4.0	5.6
SSE	1.1	2.2	2.8	.5								6.7	6.8
S	2.3	5.5	8.1	6.1	1.3	.2						23.5	9.0
SSW	1.1	2.3	3.1	3.9	1.4	.4						12.2	10.7
SW	.8	.7	1.0	.8		.0						3.4	7.8
WSW	.2	.4	.3	.0								.9	5.7
W	.5	.3	.0									.8	3.5
WNW	.3											.3	2.3
NW	1.4	.0	.5	.1								2.8	4.7
NNW	3.1	3.4	.7	.2	.0	.0						7.6	4.5
VARBL													
CALM												11.9	
	23.0	20.3	21.3	13.0	2.9	.9						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2109

USAF ETAC FORM JUL 64 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 STATION — SEATTLE WASHINGTON FWC STATION NAME — 45-68 YEARS — DEC MONTH

ALL WEATHER CLASS — ALL HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.3	1.7	.2	.1	.0						7.4	5.4
NNE	1.0	1.1	.6	.1	.0							2.7	4.8
NE	2.0	1.7	.4	.0		.0						4.2	3.9
ENE	1.8	1.6	.3	.0	.0							3.9	4.0
E	2.4	1.8	.4	.1	.0		.0					4.9	4.3
ESE	.8	.8	.4	.3	.1	.1						2.5	6.4
SE	1.6	1.6	1.0	.3	.0	.0						4.5	5.3
SSE	1.4	2.2	2.3	.7	.1	.0						6.6	6.7
S	2.9	5.2	8.2	6.0	1.3	.2	.0					24.0	8.9
SSW	1.2	2.9	3.8	3.5	1.3	.3	.0					12.6	10.1
SW	.9	1.1	1.0	.8	.1	.0	.0					3.9	7.6
WSW	.3	.3	.2	.1	.0							1.0	6.5
W	.3	.2	.1	.0								.8	4.0
WNW	.2	.1	.1	.0								.4	4.4
NW	1.2	.7	.4	.1	.0							2.5	4.6
NNW	2.6	2.7	1.3	.3	.1	.0						7.0	5.1
VARBL													
CALM												11.2	
	23.9	25.9	22.2	12.8	3.2	.7	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 17340

USAF ETAC FORM 0 8 5 (OL 1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (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	4.3	4.4	3.0	.6	.1	.0	.0					12.6	5.2
NNE	1.5	1.3	.5	.1	.0	.0						3.4	4.3
NE	2.2	1.7	.4	.0	.0	.0						4.3	3.9
ENE	1.4	1.2	.3	.0	.0							2.9	3.9
E	1.7	1.2	.3	.0	.0		.0					3.2	3.9
ESE	.9	.7	.3	.1	.0	.0						1.9	4.8
SE	1.6	1.3	.7	.2	.0	.0						4.0	4.9
SSE	1.4	2.4	1.9	.5	.1	.0						6.3	5.2
S	2.3	5.3	7.4	3.7	.6	.1	.0	.0				19.8	8.0
SSW	1.6	2.6	3.7	2.2	.5	.1	.0	.0	.0			10.4	8.6
SW	1.0	1.3	1.1	.5	.1	.0	.0	.0				4.0	6.5
WSW	.4	.4	.2	.1	.0	.0						1.1	5.4
W	.4	.3	.1	.0	.0							.8	4.0
WNW	.2	.2	.1	.0	.0							.5	4.0
NW	1.4	1.3	.8	.1	.0	.0						3.6	4.9
NNW	3.6	4.7	3.5	.6	.1	.0						12.7	5.6
VARBL													
CALM												8.6	
	26.2	30.7	24.2	8.6	1.5	.2	.0	.0	.0			100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 198370

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) ALL (MONTH)

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

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

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.9	2.8	1.6	.3	.1							8.7	4.3
NNE	1.5	1.3	.5	.1	.0	.0						3.4	4.5
NE	2.1	1.8	.4	.0	.0							4.3	3.9
ENE	1.6	1.4	.3	.0								3.2	3.9
E	2.0	1.2	.3	.0								3.6	3.7
ESE	.9	.5	.2	.0	.0	.0						1.6	4.2
SE	1.7	1.3	.8	.1	.0							3.8	4.7
SSE	1.7	2.0	2.4	.5	.1	.0						7.3	6.3
S	3.4	7.1	8.8	4.1	.9	.2	.0					24.5	7.9
SSW	1.9	3.8	4.5	2.3	.7	.1	.0					13.4	8.1
SW	1.3	1.9	1.0	.3	.1	.0	.0	.0				4.8	5.6
WSW	.3	.4	.1	.0	.0							1.1	4.4
W	.5	.2	.0	.0								.8	3.6
WNW	.3	.2	.0	.0								.5	3.7
NW	1.6	.8	.3	.1	.0	.0						2.8	4.1
NNW	3.3	2.2	1.0	.3	.1	.0						7.0	4.5
VARBL													
CALM												9.3	
	28.4	29.3	22.1	8.3	1.9	.3	.0	.0				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 21920

USAF ETAC FORM JUL 64 0-8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 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%.

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.

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA FR CES:[illegible]
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 (STATION) SEATTLE WASHINGTON, WSO (STATION NAME) 49-53 (YEARS) 12 (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0500 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	25.0	19.0	19.5	20.2	20.4	20.5	20.6	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible
≥ 20000	16.2	illegible	illegible	illegible	illegible	illegible	illegible	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	illegible	illegible	illegible	illegible	illegible	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	illegible	illegible	illegible	illegible	illegible	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	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible
≥ 8000	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible
≥ 7000	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible
≥ 6000	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible
≥ 5000	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	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	illegible	illegible	illegible	illegible	illegible	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	illegible	illegible	illegible	illegible	illegible	illegible	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	illegible	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	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	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	illegible	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	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible	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	illegible	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 illegible

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC/USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24246 STATION | SEATTLE [illegible] STATION NAME | [illegible] YEARS | J 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.1	14.0	15.4	16.5	16.6	16.7	16.9	16.1	16.2	17.1	17.1	17.2	17.3	17.3	17.3	17.3
≥ 20000	16.5	17.9	19.3	19.4	19.6	19.7	20.1	20.2	20.2	20.3	20.3	20.4	20.5	20.6	20.5	20.6
≥ 18000	16.5	17.9	19.3	19.4	19.6	19.7	20.1	20.2	20.2	20.3	20.3	20.4	20.5	20.6	20.5	20.6
≥ 16000	16.6	18.1	19.6	19.7	19.9	20.0	20.4	20.4	20.5	20.6	20.6	20.7	20.9	20.9	20.9	20.9
≥ 14000	17.5	20.0	20.4	20.6	20.8	20.9	21.3	21.3	21.3	21.4	21.5	21.5	21.6	21.6	21.6	21.8
≥ 12000	18.1	21.4	22.4	22.5	22.8	22.9	23.2	23.3	23.3	23.4	23.5	23.6	23.6	23.6	23.6	23.8
≥ 10000	20.7	23.5	24.9	25.1	25.4	25.5	25.9	25.9	25.9	25.1	25.2	25.3	25.5	25.5	25.5	25.5
≥ 9900	21.1	24.1	25.2	25.3	25.6	25.7	26.1	26.2	26.2	26.3	26.4	26.5	26.7	26.7	26.7	26.7
≥ 8000	23.3	27.0	28.1	28.2	28.5	28.6	29.0	29.0	29.0	29.0	29.2	29.3	29.4	29.6	29.6	29.6
≥ 7000	24.0	29.4	30.0	30.3	30.6	30.7	31.1	31.2	31.2	31.3	31.4	31.5	31.7	31.7	31.7	31.7
≥ 6000	26.1	31.1	31.7	32.0	32.3	32.4	32.8	32.9	32.9	33.1	33.2	33.4	33.4	33.4	33.4	33.4
≥ 5000	28.2	34.1	35.4	35.7	36.2	36.3	36.7	36.8	36.9	37.0	37.1	37.3	37.3	37.3	37.3	37.3
≥ 4500	30.2	36.1	38.9	39.3	39.7	39.9	40.3	40.3	40.3	40.5	40.6	40.7	40.8	40.9	40.9	40.9
≥ 4000	31.6	40.3	41.1	41.6	42.1	42.2	42.6	42.6	42.6	42.8	42.9	43.0	43.1	43.1	43.1	43.1
≥ 3500	34.2	43.1	46.7	47.3	47.9	48.0	48.4	48.5	48.5	48.7	48.8	48.9	49.0	49.0	49.0	49.0
≥ 3000	46.6	50.5	51.9	52.6	53.3	53.6	54.1	54.1	54.1	54.3	54.4	54.5	54.7	54.7	54.7	54.7
≥ 2500	39.5	57.0	58.8	59.9	60.8	61.1	61.6	61.7	61.7	62.0	62.2	62.2	62.3	62.3	62.3	62.3
≥ 2000	62.1	63.1	65.8	66.9	67.1	67.4	68.0	68.2	68.2	68.5	68.6	68.6	68.8	68.8	68.8	68.8
≥ 1800	65.1	66.3	66.6	69.8	71.0	71.4	71.9	72.1	72.1	72.4	72.5	72.6	72.8	72.8	72.8	72.8
≥ 1500	65.6	71.1	74.1	75.2	76.8	77.3	78.0	78.2	78.2	78.5	78.6	78.7	78.9	78.9	78.9	78.9
≥ 1200	67.1	76.0	78.9	80.5	82.0	82.4	83.2	83.5	83.5	83.8	83.9	84.0	84.2	84.2	84.2	84.2
≥ 1000	69.0	78.9	82.1	84.0	85.6	86.1	86.9	87.2	87.2	87.6	87.7	87.7	88.0	88.0	88.0	88.0
≥ 900	69.2	79.1	83.1	85.0	86.6	87.1	88.0	88.4	88.4	88.8	88.9	89.1	89.3	89.3	89.3	89.3
≥ 800	69.3	80.4	84.8	85.8	87.5	88.1	89.1	89.5	89.5	90.0	90.1	90.3	90.5	90.5	90.5	90.5
≥ 700	69.3	81.0	84.5	86.9	88.5	89.1	90.1	90.5	90.5	91.2	91.3	91.5	91.7	91.7	91.7	91.7
≥ 600	69.3	81.3	85.0	87.2	89.3	90.0	91.2	91.7	91.7	92.5	92.7	92.8	94.0	94.0	93.0	93.0
≥ 500	69.3	81.3	85.3	87.7	89.9	90.7	92.2	92.7	92.7	93.6	93.8	94.0	94.3	94.3	94.3	94.3
≥ 400	69.3	81.7	85.7	88.1	90.6	91.4	93.0	93.7	93.7	94.5	94.7	95.0	95.3	95.3	95.3	95.3
≥ 300	69.4	81.7	85.8	88.4	91.0	91.8	93.4	94.2	94.2	95.2	95.5	95.7	96.1	96.2	96.2	96.2
≥ 200	69.4	81.7	85.8	88.5	91.2	92.1	93.8	94.5	94.6	95.6	96.1	96.4	97.1	97.2	97.2	97.2
≥ 100	69.4	81.7	85.8	88.5	91.2	92.1	93.8	94.6	94.6	95.6	96.2	96.4	97.4	97.5	97.5	97.5
≥ 0	69.4	81.7	85.8	88.5	91.2	92.1	93.8	94.6	94.6	95.6	96.2	96.4	97.5	99.0	9 .1	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INC STATION NAME | 49-58 YEARS | JUL 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.2	14.0	15.0	15.2	15.3	15.4	15.4	15.4	15.4	15.5	15.6	15.6	15.6	15.6	15.7	15.7
≥ 20000	16.1	18.0	19.2	19.4	19.5	19.5	19.5	19.6	19.6	19.9	20.0	20.0	20.1	20.1	20.2	20.2
≥ 18000	17.2	19.2	19.6	19.8	20.0	20.0	20.0	20.0	20.0	20.4	20.4	20.4	20.4	20.4	20.7	20.7
≥ 16000	17.6	19.5	19.9	20.1	20.3	20.3	20.3	20.3	20.3	20.7	20.7	20.7	20.9	20.9	21.0	21.0
≥ 14000	18.3	20.4	20.9	21.1	21.3	21.3	21.3	21.3	21.3	21.7	21.7	21.7	21.8	21.8	21.9	21.9
≥ 12000	19.9	22.1	22.5	22.8	23.0	23.0	23.1	23.2	23.2	23.5	23.6	23.6	23.7	23.7	23.8	23.8
≥ 10000	22.1	24.3	24.8	25.1	25.2	25.3	25.3	25.5	25.5	25.8	25.9	25.9	26.0	26.0	26.1	26.1
≥ 9000	23.0	25.3	25.8	26.0	26.3	26.3	26.4	26.5	26.5	26.8	26.9	26.9	27.0	27.0	27.1	27.1
≥ 8000	25.2	28.0	28.7	29.0	29.3	29.3	29.4	29.5	29.5	29.8	29.9	29.9	30.0	30.0	30.1	30.1
≥ 7000	27.4	30.6	31.3	31.7	31.9	32.0	32.1	32.3	32.3	32.7	32.8	32.8	32.9	32.9	33.0	33.0
≥ 6000	29.1	32.7	33.2	33.6	33.9	34.0	34.1	34.3	34.3	34.7	34.7	34.7	34.9	34.9	35.0	35.0
≥ 5000	31.2	35.3	36.3	36.6	37.1	37.2	37.3	37.5	37.5	37.9	38.0	38.0	38.1	38.1	38.2	38.2
≥ 4500	33.7	39.4	40.2	41.1	41.5	41.7	41.8	42.0	42.0	42.4	42.5	42.5	42.6	42.6	42.7	42.7
≥ 4000	35.4	41.9	43.2	44.2	44.7	44.9	45.0	45.2	45.2	45.6	45.7	45.7	45.8	45.8	45.9	46.0
≥ 3500	38.4	47.1	48.6	49.6	50.5	50.6	50.7	50.9	50.9	51.4	51.4	51.5	51.7	51.7	51.8	51.8
≥ 3000	39.9	50.0	51.8	53.2	54.0	54.1	54.4	54.5	54.6	55.1	55.1	55.1	55.4	55.4	55.5	55.5
≥ 2500	42.9	52.9	55.1	56.7	57.6	58.0	61.2	61.5	61.5	61.9	62.0	62.0	62.3	62.3	62.4	62.4
≥ 2000	46.4	56.1	58.6	60.5	61.5	61.8	69.4	69.7	69.7	70.2	70.2	70.3	70.5	70.5	70.6	70.6
≥ 1800	47.0	56.0	58.7	70.7	71.8	72.1	72.7	73.0	73.0	73.5	73.6	73.6	73.8	73.8	74.0	74.0
≥ 1500	50.3	71.9	75.1	77.1	78.6	79.0	79.6	80.0	80.0	80.3	80.4	80.4	80.9	80.9	81.0	81.0
≥ 1200	51.2	74.9	78.3	81.3	82.6	83.1	83.7	84.1	84.1	84.8	84.9	85.0	85.3	85.3	85.4	85.4
≥ 1000	52.0	77.0	80.9	84.0	85.4	85.9	86.6	87.2	87.2	88.0	88.1	88.3	88.7	88.7	88.8	88.8
≥ 900	52.1	77.0	81.7	84.9	86.5	86.9	87.7	88.4	88.4	89.2	89.3	89.5	89.9	89.9	90.0	90.0
≥ 800	52.2	78.2	82.3	85.7	87.4	88.0	88.9	89.1	89.7	90.5	90.7	90.8	91.2	91.2	91.4	91.4
≥ 700	52.2	78.3	82.7	86.2	88.1	88.7	89.7	90.5	90.5	91.4	91.6	91.4	92.2	92.2	92.3	92.3
≥ 600	52.3	78.6	83.1	87.0	89.1	89.8	90.9	91.6	91.6	92.5	92.6	92.0	93.4	93.4	93.5	93.5
≥ 500	52.3	78.9	83.2	87.3	89.6	90.3	91.9	92.7	92.7	93.6	93.7	93.1	94.6	94.6	94.8	94.8
≥ 400	52.3	78.9	83.2	87.6	90.1	91.1	92.6	93.8	93.8	94.8	95.0	95.0	95.9	95.9	96.1	96.1
≥ 300	52.3	78.9	83.2	87.6	90.1	91.2	93.1	94.2	94.2	95.3	95.4	95.4	96.1	96.1	97.4	97.4
≥ 200	52.3	78.9	83.2	87.6	90.1	91.2	93.1	94.4	94.4	95.5	95.6	95.6	96.3	96.3	98.8	98.8
≥ 100	52.3	78.9	83.2	87.6	90.1	91.2	93.1	94.4	94.4	95.6	95.8	95.8	96.5	96.5	99.2	99.2
≥ 0	52.3	78.9	83.2	87.6	90.1	91.2	93.1	94.4	94.4	95.6	95.8	95.8	96.5	96.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INC STATION NAME | 60-66 YEARS | J.. MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1500 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.5	16.7	17.0	17.4	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
≥ 20000	18.9	20.3	20.5	20.9	21.2	21.2	21.3	21.3	21.3	21.4	21.5	21.5	21.6	21.6	21.6	21.6
≥ 18000	19.1	20.5	20.8	21.2	21.5	21.5	21.5	21.5	21.5	21.6	21.	21.6	21.9	21.9	21.9	21.9
≥ 16000	19.2	20.6	20.9	21.3	21.6	21.6	21.6	21.6	21.6	21.8	21.9	21.9	22.0	22.0	22.0	22.0
≥ 14000	20.4	22.1	22.4	22.8	23.1	23.1	23.1	23.1	23.1	23.3	23.4	23.4	23.5	23.5	23.5	23.5
≥ 12000	22.0	23.9	24.2	24.9	25.2	25.2	25.2	25.2	25.2	25.3	25.4	25.4	25.5	25.6	25.6	25.6
≥ 10000	25.0	27.3	27.6	28.3	28.6	28.7	28.7	28.7	28.7	28.9	29.0	29.0	29.1	29.1	29.1	29.1
≥ 9000	26.3	28.7	29.0	29.6	30.1	30.2	30.3	30.3	30.3	30.4	30.	30.	30.5	30.	30.	30.6
≥ 8000	29.3	32.1	32.5	33.4	33.8	33.9	34.0	34.0	34.0	34.2	34.4	34.4	34.5	34.5	34.5	34.5
≥ 7000	30.9	33.9	34.0	34.	35.3	35.4	35.5	35.5	35.6	35.7	35.	35.	36.1	36.	36.1	36.1
≥ 6000	31.9	35.2	35.9	36.9	37.3	37.4	37.6	37.7	37.7	37.9	38.	38.	38.2	38.2	38.2	38.2
≥ 5000	33.4	37.0	38.9	39.0	40.3	40.5	40.7	40.7	40.8	40.9	41.	41.	41.3	41.3	41.3	41.3
≥ 4500	35.1	40.0	41.6	43.0	43.6	44.7	44.8	44.8	44.1	44.2	44.4	44.4	44.5	44.5	44.5	44.5
≥ 4000	37.2	44.0	45.1	46.5	47.2	47.4	47.7	47.3	47.8	48.0	48.	48.	48.	48.	48.	48.5
≥ 3500	39.5	48.0	49.6	51.3	52.2	52.5	52.8	52.7	53.0	53.1	53.4	53.4	53.5	53.5	53.5	53.5
≥ 3000	42.1	52.3	54.2	56.1	57.1	57.4	57.8	57.9	58.0	58.2	58.	58.4	58.	58.	58.	58.6
≥ 2500	45.1	57.6	59.9	62.1	63.5	63.8	64.2	64.3	64.4	64.7	64.9	64.	65.	65.1	65.1	65.1
≥ 2000	49.9	65.6	68.3	70.9	72.3	72.6	73.2	73.6	73.7	73.9	74.1	74.1	74.3	74.3	74.3	74.3
≥ 1800	50.8	68.1	70.6	73.3	75.1	75.4	76.1	76.3	76.6	76.7	77.0	77.0	77.1	77.1	77.1	77.1
≥ 1500	52.7	72.6	75.6	78.8	80.8	81.2	82.1	82.3	82.6	82.8	83.	83.3	83.2	83.2	83.2	83.2
≥ 1200	53.4	76.1	79.3	82.9	85.4	85.9	86.9	87.3	87.6	87.9	88.	88.2	88.4	88.4	88.4	88.4
≥ 1000	53.7	77.7	81.3	85.4	88.2	88.6	90.0	90.6	90.7	91.0	91.2	91.2	91.3	91.3	91.3	91.3
≥ 900	53.7	78.1	81.9	86.1	89.0	89.5	90.8	91.6	91.6	92.1	92.3	92.3	92.6	92.6	92.6	92.6
≥ 800	53.7	78.2	82.4	86.8	89.9	90.4	91.7	92.6	92.7	93.2	93.4	93.4	93.7	93.7	93.7	93.7
≥ 700	53.7	78.6	82.9	87.3	90.8	91.3	92.7	93.5	93.6	94.1	94.3	94.3	94.6	94.6	94.6	94.6
≥ 600	53.7	78.9	83.2	87.9	91.5	92.0	93.5	94.4	94.5	95.2	95.0	95.0	95.9	95.9	95.9	95.9
≥ 500	53.8	79.1	83.4	88.3	92.0	92.7	94.4	95.3	95.4	96.1	96.3	96.3	97.1	97.1	97.1	97.1
≥ 400	53.8	79.1	83.4	88.4	92.3	93.0	95.2	96.1	96.2	97.1	97.3	97.3	98.2	98.2	98.2	98.2
≥ 300	53.8	79.1	83.4	88.4	92.3	93.0	95.2	96.2	96.3	97.3	97.5	97.5	98.4	98.4	98.4	98.4
≥ 200	53.8	79.1	83.4	88.4	92.3	93.0	95.2	96.2	96.3	97.3	98.1	98.1	99.0	99.0	99.0	99.0
≥ 100	53.8	79.1	83.4	88.4	92.3	93.0	95.2	96.2	96.3	97.3	98.1	98.1	99.1	99.1	99.1	99.1
≥ 0	53.8	79.1	83.4	88.4	92.3	93.0	95.2	96.2	96.3	97.3	98.1	98.1	99.1	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 17..

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INTL STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.2	17.1	17.1	17.2	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
≥ 20000	19.3	22.8	22.7	23.1	23.4	23.4	23.4	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8
≥ 18000	20.0	22.6	22.9	23.3	23.5	23.7	23.8	23.8	23.8	23.8	24.0	24.0	24.0	24.0	24.0	24.0
≥ 16000	20.5	23.1	23.4	23.7	24.1	24.1	24.3	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5
≥ 14000	21.0	24.0	24.8	25.2	25.5	25.6	25.7	25.8	25.8	25.8	26.0	26.0	26.0	26.0	26.0	26.0
≥ 12000	21.0	24.4	25.5	27.1	27.5	27.5	27.8	27.8	27.8	27.8	28.0	28.0	28.0	28.0	28.0	28.0
≥ 10000	29.5	29.2	29.5	30.1	30.6	30.	31.0	31.0	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2
≥ 9000	29.7	30.0	30.9	31.5	32.1	32.2	32.4	32.4	32.4	32.4	32.	32.3	32.3	32.3	32.3	32.3
≥ 8000	29.2	33.9	34.4	35.1	35.8	36.0	36.2	36.5	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6
≥ 7000	31.7	37.2	37.8	38.4	39.3	39.5	39.7	39.9	39.9	39.9	40.1	40.1	40.1	40.1	40.1	40.1
≥ 6000	32.7	39.2	39.9	40.5	41.5	41.7	42.0	42.2	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4
≥ 5000	34.8	41.9	42.6	43.5	44.5	44.7	45.0	45.2	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4
≥ 4500	37.2	45.3	46.1	47.0	48.1	48.3	48.6	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0
≥ 4000	39.4	48.7	49.5	50.7	51.9	52.2	52.5	52.7	52.7	52.9	53.1	53.0	53.0	53.0	53.0	53.0
≥ 3500	41.1	52.2	53.3	54.6	55.9	56.2	56.7	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2
≥ 3000	42.9	55.5	57.1	58.7	60.1	60.4	60.9	61.2	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4
≥ 2500	47.0	62.1	64.1	66.1	67.6	68.0	68.6	68.9	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2
≥ 2000	49.3	67.7	70.1	72.6	74.6	75.1	75.7	76.1	76.1	76.2	76.3	76.3	76.4	76.4	76.4	76.4
≥ 1800	50.5	70.2	72.7	75.0	77.7	78.2	78.9	79.3	79.3	79.4	79.5	79.6	79.6	79.6	79.6	79.6
≥ 1500	52.5	74.0	77.4	80.6	82.9	83.4	84.1	84.5	84.5	84.7	84.9	84.8	84.9	84.9	84.9	84.9
≥ 1200	52.9	77.0	81.2	85.1	87.8	88.3	89.3	89.8	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1000	53.0	79.1	82.9	87.0	89.9	90.5	91.6	92.1	92.1	92.4	92.5	92.6	92.7	92.7	92.7	92.7
≥ 900	53.0	79.7	83.6	87.8	90.8	91.5	92.6	93.2	93.2	93.5	93.7	93.7	93.8	93.8	93.8	93.8
≥ 800	53.0	80.0	84.0	88.3	91.9	92.6	93.7	94.3	94.4	94.6	95.0	95.0	95.2	95.2	95.2	95.2
≥ 700	53.0	80.2	84.4	88.9	92.4	93.1	94.2	94.9	94.9	95.2	95.4	95.5	95.7	95.7	95.7	95.7
≥ 600	53.0	80.3	84.4	89.0	92.8	93.5	94.7	95.4	95.4	95.7	96.1	96.1	96.3	96.3	96.3	96.3
≥ 500	53.0	80.3	84.5	89.3	93.2	94.2	96.0	96.7	96.7	97.1	97.5	97.5	97.7	97.7	97.7	97.7
≥ 400	53.0	80.4	84.6	89.4	93.4	94.5	96.5	97.3	97.3	97.7	98.0	98.0	98.1	98.1	98.1	98.1
≥ 300	53.0	80.4	84.6	89.4	93.4	94.5	96.6	97.4	97.4	98.1	98.2	98.3	99.1	99.1	99.4	99.4
≥ 200	53.0	80.4	84.6	89.4	93.4	94.5	96.6	97.5	97.5	98.3	99.0	99.0	99.2	99.2	99.7	99.7
≥ 100	53.0	80.5	84.6	89.4	93.4	94.5	96.6	97.5	97.5	98.3	99.0	99.0	99.3	99.4	99.9	99.9
≥ 0	53.0	80.4	84.6	89.4	93.4	94.5	96.6	97.5	97.5	98.3	99.0	99.0	99.3	99.4	99.9	[illegible]

TOTAL NUMBER OF OBSERVATIONS 1727

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible] HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.0	20.4	20.[illegible]	21.4	21.7	21.[illegible]	21.[illegible]	22.1	22.1	22.2	22.2	22.2	22.3	22.3	22.4	22.5
≥ 20000	19.7	23.1	24.1	24.3	25.1	25.2	25.5	25.7	25.7	25.8	25.[illegible]	25.[illegible]	25.[illegible]	25.[illegible]	25.[illegible]	25.[illegible]
≥ 18000	20.1	24.1	24.5	25.2	25.5	25.6	25.9	26.1	26.1	26.2	26.[illegible]	26.4	26.4	26.4	26.5	26.6
≥ 16000	20.3	24.3	24.8	25.4	25.7	25.8	26.2	26.4	26.4	26.5	26.7	26.7	26.7	26.7	26.8	26.8
≥ 14000	20.7	24.8	25.3	25.7	26.3	26.4	26.8	27.0	27.0	27.2	27.[illegible]	27.4	27.4	[illegible]	27.5	27.5
≥ 12000	21.7	26.2	26.8	27.4	27.9	28.1	28.5	28.7	28.7	29.0	29.1	29.1	29.2	29.2	29.3	29.3
≥ 10000	24.6	29.6	30.2	31.0	31.6	31.7	32.2	32.5	32.6	32.7	32.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]	33.[illegible]
≥ 9000	25.7	31.1	31.6	32.4	32.9	33.0	33.5	33.7	33.8	34.[illegible]	34.[illegible]	34.[illegible]	34.[illegible]	34.[illegible]	34.[illegible]	34.[illegible]
≥ 8000	28.4	34.0	35.1	35.9	36.4	36.5	37.0	37.4	37.4	37.7	37.[illegible]	37.[illegible]	37.[illegible]	37.[illegible]	38.0	38.0
≥ 7000	30.3	36.0	36.5	39.3	39.8	39.9	40.4	40.[illegible]	40.[illegible]	41.1	41.[illegible]	41.2	41.3	41.[illegible]	41.4	41.4
≥ 6000	32.0	40.0	40.6	41.5	42.2	42.3	42.8	43.[illegible]	43.3	43.5	43.[illegible]	43.[illegible]	43.[illegible]	43.[illegible]	43.[illegible]	43.9
≥ 5000	33.8	42.1	43.6	45.0	45.7	45.8	46.4	46.[illegible]	46.3	47.[illegible]	47.[illegible]	47.2	47.2	47.2	47.3	47.4
≥ 4500	36.1	46.3	47.3	48.0	49.3	49.5	50.1	50.5	50.5	50.7	50.[illegible]	50.[illegible]	50.9	50.[illegible]	51.0	51.0
≥ 4000	37.9	50.2	51.0	52.4	53.1	53.4	54.0	54.4	54.4	54.5	54.[illegible]	54.[illegible]	54.[illegible]	54.[illegible]	55.0	55.0
≥ 3500	37.4	53.0	54.9	56.5	57.4	57.7	58.2	58.[illegible]	58.7	58.9	59.1	59.1	59.2	59.[illegible]	59.2	59.3
≥ 3200	41.3	56.8	58.[illegible]	60.0	60.2	61.[illegible]	61.[illegible]	64.1	64.[illegible]	64.[illegible]	64.8	65.[illegible]	65.0	65.0	65.1	65.1
≥ 2500	43.[illegible]	63.1	65.4	67.[illegible]	68.8	69.2	69.[illegible]	70.4	70.4	70.[illegible]	70.[illegible]	70.[illegible]	70.[illegible]	70.[illegible]	70.9	71.[illegible]
≥ 2000	45.[illegible]	69.5	71.7	73.9	75.2	75.7	76.3	76.[illegible]	76.9	77.1	77.[illegible]	77.[illegible]	77.[illegible]	77.[illegible]	77.[illegible]	77.[illegible]
≥ 1800	46.[illegible]	71.[illegible]	74.0	76.3	77.6	78.1	78.[illegible]	79.[illegible]	79.[illegible]	79.7	79.[illegible]	79.[illegible]	79.[illegible]	79.9	80.0	80.0
≥ 1500	48.[illegible]	76.4	79.1	81.9	83.5	83.9	84.7	85.[illegible]	85.[illegible]	85.5	85.[illegible]	85.1	85.8	85.[illegible]	85.9	[illegible]
≥ 1200	49.1	80.1	83.2	86.2	87.9	88.4	89.1	89.[illegible]	89.7	90.0	90.[illegible]	90.2	90.3	90.3	90.4	90.4
≥ 1000	49.4	[illegible]2.4	85.8	89.0	90.7	91.2	92.0	92.[illegible]	92.6	92.9	93.1	93.1	93.2	93.2	93.3	93.3
≥ 900	49.4	[illegible]	86.2	89.6	91.4	91.8	92.6	93.3	93.3	93.5	93.[illegible]	93.7	93.8	93.[illegible]	93.9	[illegible]
≥ 800	49.5	83.3	86.8	90.2	92.1	92.6	93.7	94.3	94.3	94.6	94.[illegible]	94.[illegible]	94.9	94.[illegible]	95.[illegible]	[illegible]
≥ 700	49.5	[illegible]	87.2	90.6	92.6	93.0	94.2	94.[illegible]	94.2	95.2	95.[illegible]	95.[illegible]	95.4	95.[illegible]	95.[illegible]	95.[illegible]
≥ 600	49.5	83.7	87.4	90.9	93.0	93.5	94.6	95.3	95.3	95.6	95.[illegible]	95.[illegible]	95.8	95.9	96.0	[illegible]
≥ 500	49.5	83.8	87.6	91.1	93.4	94.0	95.2	95.9	95.9	96.3	96.[illegible]	96.4	96.5	96.5	96.5	96.7
≥ 400	49.5	83.8	87.9	91.5	94.1	94.7	96.1	96.8	96.8	97.1	97.[illegible]	97.[illegible]	97.[illegible]	97.[illegible]	97.[illegible]	97.7
≥ 300	49.5	83.9	88.0	91.6	94.6	95.2	96.7	97.4	97.4	97.8	97.[illegible]	97.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	[illegible]
≥ 200	49.5	83.9	88.0	91.6	94.6	95.3	96.8	97.5	97.5	97.8	98.1	98.1	98.4	98.[illegible]	98.[illegible]	[illegible]
≥ 100	49.5	83.9	88.0	91.7	94.7	95.3	96.8	97.5	97.5	97.9	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	[illegible]
≥ 0	49.5	83.9	88.0	91.7	94.7	95.3	96.8	97.5	97.5	97.9	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

29244 STATION | SEATTLE WASHINGTON ESC STATION NAME | [illegible] YEARS | JUL 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.0	20.9	21.4	22.0	22.4	22.9	23.3	23.4	23.4	23.7	23.7	23.7	23.8	23.9	23.9	24.9
≥ 20000	17.7	22.8	23.4	24.3	25.1	25.1	25.8	25.7	25.7	25.0	25.0	25.0	25.2	25.1	25.3	26.3
≥ 18000	18.3	23.1	23.8	24.7	25.5	25.5	25.8	26.1	26.1	26.4	26.4	26.4	26.6	26.6	26.7	27.7
≥ 16000	18.4	23.2	23.8	24.7	25.5	25.6	26.0	26.2	26.2	26.4	26.4	26.4	26.7	26.8	26.8	27.8
≥ 14000	19.0	23.9	24.1	25.1	26.0	26.0	26.4	26.6	26.6	26.9	26.9	26.9	27.1	27.2	27.2	28.2
≥ 12000	20.3	25.5	26.2	27.2	28.1	28.1	28.5	28.7	28.7	29.0	29.	29.0	29.2	29.3	29.3	30.3
≥ 10000	22.6	28.0	29.3	30.4	31.3	31.3	31.7	31.9	31.9	32.3	32.3	32.3	32.5	32.6	32.6	33.6
≥ 9000	23.6	29.0	30.4	31.5	32.4	32.4	32.7	33.2	33.2	33.6	33.6	33.6	34.9	34.0	34.0	34.0
≥ 8000	25.1	32.1	32.9	34.0	34.9	35.0	35.4	35.7	35.7	36.2	36.2	36.2	36.4	36.5	36.5	36.5
≥ 7000	26.5	34.9	35.7	36.8	37.7	37.8	38.4	38.7	38.7	39.2	39.2	39.2	39.5	39.6	39.6	39.6
≥ 6000	28.1	38.9	39.7	40.8	41.8	41.9	42.4	42.6	42.6	43.1	43.1	43.1	43.5	43.6	43.6	43.6
≥ 5000	30.3	40.8	41.7	42.8	43.8	43.9	44.5	44.8	44.8	45.3	45.3	45.3	45.5	45.7	45.7	45.7
≥ 4500	32.5	44.0	44.9	46.0	47.0	47.1	47.7	48.2	48.2	48.6	48.6	48.7	48.9	49.0	49.0	49.0
≥ 4000	34.4	47.4	48.0	49.0	50.2	50.3	51.3	52.0	52.0	52.5	52.5	52.5	53.0	53.0	53.2	53.3
≥ 3500	35.2	51.6	53.1	54.3	55.4	55.5	56.2	56.7	56.7	57.1	57.1	57.2	57.4	57.5	57.5	57.5
≥ 3000	37.8	55.2	57.1	58.6	59.7	59.8	60.5	61.1	61.1	61.6	61.6	61.6	61.9	62.0	62.0	62.0
≥ 2500	40.1	60.5	63.0	64.9	66.0	66.1	66.8	67.4	67.4	68.0	68.0	68.0	68.3	68.4	68.4	68.4
≥ 2000	43.9	67.4	70.0	72.1	73.3	73.4	74.4	74.9	74.9	75.5	75.6	75.6	75.8	75.9	75.9	75.9
≥ 1800	45.0	69.5	72.2	74.3	75.6	75.7	76.7	77.3	77.3	77.9	77.9	77.9	78.2	78.3	78.3	78.3
≥ 1500	46.9	73.0	76.7	79.0	80.5	80.6	81.6	82.3	82.3	82.8	82.9	82.9	83.1	83.2	83.2	83.2
≥ 1200	47.7	77.9	80.8	83.1	84.8	84.9	86.0	86.6	86.6	87.2	87.3	87.3	87.5	87.6	87.6	87.6
≥ 1000	48.3	79.1	83.0	85.3	87.2	87.4	88.7	89.3	89.3	90.0	90.0	90.0	90.2	90.4	90.4	90.4
≥ 900	48.4	80.4	83.7	86.2	88.0	88.2	89.5	90.1	90.1	90.8	90.	90.8	91.1	91.2	91.2	91.2
≥ 800	48.4	81.0	84.4	87.1	88.9	89.1	90.4	91.3	91.3	92.1	92.1	92.1	92.3	92.5	92.5	92.5
≥ 700	48.4	81.7	85.1	87.8	89.6	90.0	91.6	92.3	92.	93.1	93.1	93.1	93.4	93.5	93.5	93.5
≥ 600	48.4	82.0	85.6	88.3	90.4	90.8	92.3	93.1	93.1	93.	93.	93.9	94.1	94.2	94.2	94.2
≥ 500	48.4	82.1	85.8	88.6	90.7	91.1	92.9	93.8	93.8	94.5	94.	94.6	95.0	95.1	95.1	95.1
≥ 400	48.4	82.4	86.1	89.1	91.3	91.8	93.6	94.5	94.5	95.3	95.4	95.4	95.9	96.1	96.1	96.1
≥ 300	48.4	82.4	86.1	89.1	91.6	92.1	94.0	95.0	95.0	96.0	96.1	96.2	96.7	96.	96.	96.
≥ 200	48.4	82.4	86.1	89.2	91.6	92.4	94.2	95.4	95.4	96.5	96.6	96.7	97.1	97.3	97.3	97.3
≥ 100	48.4	82.4	86.1	89.4	91.8	92.6	94.4	95.4	95.4	96.6	96.	96.8	97.9	98.0	98.	98.
≥ 0	48.4	82.4	86.1	89.4	91.8	92.6	94.4	95.4	95.4	96.6	96.	96.8	97.9	98.0	98.	100.0

TOTAL NUMBER OF OBSERVATIONS 7,

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24234 STATION | SEATTLE WASHINGTON STATION NAME | 1965 YEARS | JUL 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.9	18.2	18.8	19.1	19.4	19.4	19.5	19.7	19.7	19.8	19.	19.8	19.9	19.9	19.9	20.0
≥ 20000	21.1	21.3	21.8	22.4	22.7	22.9	23.1	23.1	23.1	23.3	23.4	23.4	23.5	23.6	23.6	23.6
≥ 18000	18.2	21.5	22.1	22.6	23.0	23.0	23.3	23.4	23.4	23.6	23.	23.7	23.8	23.8	23.8	23.7
≥ 16000	18.5	21.7	22.3	22.8	23.2	23.3	23.5	23.6	23.6	23.8	23.9	23.9	24.0	24.0	24.1	24.1
≥ 14000	19.1	24.9	25.4	25.7	24.1	24.2	24.5	24.6	24.6	24.7	24.7	24.8	25.0	25.0	25.0	25.0
≥ 12000	20.5	28.3	28.8	25.5	26.0	26.0	26.3	26.4	26.4	26.6	26.7	26.7	26.8	26.8	26.9	26.9
≥ 10000	22.5	26.1	27.4	28.1	28.6	28.7	29.0	29.1	29.1	29.3	29.4	29.4	29.5	29.5	29.5	29.6
≥ 9000	23.5	27.4	28.6	29.3	29.8	29.9	30.2	30.4	30.4	30.6	30.7	30.7	30.8	30.8	30.9	30.9
≥ 8000	25.5	30.0	31.5	32.2	32.7	32.8	33.2	33.3	33.3	33.6	33.7	33.7	33.9	33.9	33.9	33.9
≥ 7000	27.3	33.1	33.9	34.7	35.3	35.4	35.7	35.8	35.9	36.2	36.3	36.3	36.4	36.4	36.5	36.5
≥ 6000	29.7	35.0	35.8	36.6	37.2	37.4	37.7	37.8	37.9	38.2	38.3	38.3	38.4	38.4	38.5	38.5
≥ 5000	38.8	43.4	44.3	45.3	45.9	46.0	46.3	46.4	46.5	46.7	46.8	46.8	46.9	46.9	47.0	47.2
≥ 4500	43.0	46.8	47.6	48.6	49.3	49.5	49.7	49.8	49.9	50.1	50.2	50.2	50.3	50.3	50.3	50.3
≥ 4000	44.8	48.6	49.5	50.5	51.2	51.4	51.6	51.8	51.9	52.1	52.2	52.2	52.3	52.3	52.4	52.4
≥ 3500	46.5	50.0	50.8	51.8	52.5	52.7	53.1	53.4	53.4	53.7	53.8	53.8	53.9	53.9	54.0	54.0
≥ 3000	48.0	52.1	52.7	53.8	54.5	54.7	54.9	55.2	55.2	55.5	55.6	55.6	55.8	55.8	55.8	55.8
≥ 2500	51.0	54.2	54.8	55.9	56.1	56.3	56.9	57.1	57.3	57.6	57.7	57.7	57.8	57.9	57.9	57.9
≥ 2000	54.8	58.0	58.8	59.9	60.6	60.8	61.2	61.5	61.6	61.9	62.0	62.0	62.1	62.1	62.1	62.1
≥ 1800	55.9	59.4	60.2	61.3	62.0	62.2	62.6	62.9	63.0	63.3	63.4	63.4	63.5	63.5	63.5	63.5
≥ 1500	58.3	62.4	63.3	64.4	65.2	65.4	65.8	66.1	66.2	66.5	66.6	66.6	66.7	66.7	66.7	66.7
≥ 1200	59.9	63.0	63.8	64.9	65.7	65.9	66.3	66.6	66.7	67.0	67.1	67.1	67.2	67.2	67.3	67.4
≥ 1000	60.0	63.1	63.9	65.0	65.8	66.0	66.4	66.7	66.8	67.1	67.2	67.2	67.3	67.3	67.4	67.4
≥ 900	60.1	63.7	64.5	65.6	66.4	66.6	67.0	67.3	67.4	67.7	67.8	67.8	67.9	67.9	68.0	68.0
≥ 800	60.2	64.2	65.0	66.1	66.9	67.1	67.5	67.8	67.9	68.2	68.3	68.3	68.4	68.4	68.5	68.5
≥ 700	60.2	64.6	65.4	66.7	67.5	67.7	68.1	68.4	68.5	68.8	68.9	68.9	69.0	69.0	69.1	69.1
≥ 600	60.2	64.8	65.8	66.8	67.6	67.8	68.2	68.5	68.6	68.9	69.0	69.0	69.1	69.1	69.2	69.2
≥ 500	60.2	64.9	65.9	66.9	67.7	67.9	68.3	68.6	68.7	69.0	69.1	69.1	69.2	69.2	69.3	69.3
≥ 400	60.2	65.1	66.2	67.2	68.0	68.2	68.6	68.9	69.0	69.3	69.4	69.4	69.5	69.5	69.6	69.6
≥ 300	60.2	65.1	66.3	67.3	68.1	68.3	68.7	69.0	69.1	69.4	69.5	69.5	69.6	69.6	69.7	69.7
≥ 200	60.2	65.1	66.3	67.3	68.1	68.3	68.7	69.0	69.1	69.4	69.5	69.5	69.6	69.6	69.7	69.7
≥ 100	60.2	65.1	66.3	67.3	68.1	68.3	68.7	69.0	69.1	69.4	69.5	69.5	69.6	69.6	69.7	69.7
≥ 0	60.2	65.1	66.3	67.3	68.1	68.3	68.7	69.0	69.1	69.4	69.5	69.5	69.6	69.6	69.7	69.7

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.2	23.5	24.4	25.0	26.5	26.5	26.7	27.0	26.8	26.6	26.8	26.9	26.9	27.1	27.1	27.0
≥ 20000	19.0	26.1	27.2	28.4	29.3	29.4	29.6	29.1	29.1	29.4	29.6	29.3	29.8	29.6	29.9	29.9
≥ 18000	19.0	26.2	27.3	28.9	29.4	29.5	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.0	30.0
≥ 16000	19.1	26.4	27.5	28.5	29.7	29.8	29.9	30.1	30.1	30.1	30.1	30.1	30.2	30.2	30.3	30.3
≥ 14000	19.5	26.6	28.0	29.2	30.1	30.2	30.4	30.6	30.6	30.6	30.6	30.6	30.7	30.7	30.8	30.8
≥ 12000	20.0	29.2	29.3	30.2	31.5	31.5	31.7	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.1	32.1
≥ 10000	22.0	30.8	32.0	33.5	34.6	34.6	34.8	35.1	35.1	35.1	35.1	35.1	35.2	35.2	35.2	35.2
≥ 9000	23.1	32.3	33.5	35.1	36.1	36.2	36.4	36.8	36.8	36.8	36.8	36.8	36.9	36.9	36.9	36.8
≥ 8000	24.7	34.3	35.6	37.3	38.3	38.3	38.6	38.8	38.8	38.8	38.8	38.8	38.9	38.9	39.0	39.0
≥ 7000	28.6	37.3	38.9	40.5	41.6	41.6	41.9	42.1	42.1	42.1	42.1	42.1	42.3	42.3	42.3	42.3
≥ 6000	28.9	40.6	41.9	43.4	44.6	44.7	45.0	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.4	45.4
≥ 5000	31.3	44.2	45.7	47.5	48.7	48.8	49.1	49.3	49.3	49.3	49.4	49.4	49.5	49.5	49.5	49.5
≥ 4500	32.1	47.3	48.7	50.7	51.9	52.0	52.3	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.8	52.8
≥ 4000	36.2	50.0	52.3	54.3	55.5	55.6	55.9	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.4	56.4
≥ 3500	38.2	54.2	56.2	58.1	59.4	59.6	59.9	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.4	60.4
≥ 3000	39.0	59.3	61.1	63.4	64.8	64.9	65.3	65.5	65.5	65.6	65.6	65.6	65.7	65.7	65.8	65.8
≥ 2500	42.0	65.3	67.3	69.9	71.3	71.4	71.8	72.1	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3
≥ 2000	55.0	71.3	73.4	76.1	77.8	78.0	78.4	78.6	78.6	78.7	78.7	78.7	78.8	78.8	78.9	78.9
≥ 1800	66.1	74.0	76.1	78.9	80.7	80.9	81.3	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.8	81.8
≥ 1500	69.1	76.8	81.2	84.0	85.9	86.1	86.6	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.1	87.1
≥ 1200	80.5	91.6	84.5	87.6	89.6	89.8	90.4	90.7	90.7	90.8	90.8	90.8	91.0	91.0	91.0	91.0
≥ 1000	81.4	84.0	87.4	90.7	92.8	93.1	93.6	93.9	93.9	94.1	94.1	94.1	94.2	94.2	94.3	94.3
≥ 900	81.5	84.5	87.9	91.4	93.6	93.8	94.4	94.6	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.1
≥ 800	81.5	84.6	88.3	91.8	93.9	94.2	95.0	95.3	95.3	95.5	95.5	95.5	95.6	95.6	95.7	95.7
≥ 700	81.5	84.7	88.4	92.2	94.4	94.6	95.6	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.3	96.3
≥ 600	81.5	84.8	88.5	92.2	94.4	94.7	95.6	96.0	96.0	96.1	96.1	96.1	96.3	96.4	96.5	96.5
≥ 500	81.5	85.0	88.8	92.5	94.7	94.9	96.0	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.8	96.8
≥ 400	81.5	85.0	88.8	92.7	94.9	95.2	96.3	96.8	96.8	97.0	97.0	97.0	97.2	97.2	97.2	97.2
≥ 300	81.5	85.0	88.9	92.7	95.1	95.3	96.5	97.0	97.0	97.5	97.5	97.5	97.7	97.7	97.7	97.7
≥ 200	81.5	85.0	88.9	92.7	95.1	95.4	96.5	97.2	97.2	97.6	97.6	97.6	98.0	98.0	98.0	98.0
≥ 100	81.5	85.0	88.9	92.7	95.1	95.4	96.6	97.2	97.2	97.9	97.9	97.9	98.3	98.3	98.3	98.3
≥ 0	81.5	85.0	88.9	92.7	95.1	95.4	96.6	97.2	97.2	97.9	97.9	97.9	98.3	98.3	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE ARPT INTL A-C STATION NAME | 69-73 YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0900 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.1	20.1	21.1	22.0	23.4	23.9	24.1	24.3	24.4	24.6	24.6	24.6	24.6	24.6	24.7	24.7
≥ 20000	15.4	22.0	23.0	23.9	25.3	25.9	26.0	26.2	26.3	26.5	26.5	26.5	26.5	26.5	26.6	26.7
≥ 18000	15.5	22.0	23.1	24.1	25.4	25.9	26.1	26.3	26.5	26.6	26.6	26.6	26.6	26.6	26.7	26.8
≥ 16000	15.6	22.0	23.1	24.1	25.4	25.9	26.1	26.3	26.5	26.6	26.6	26.6	26.6	26.6	26.7	26.8
≥ 14000	16.5	23.3	24.4	25.4	26.8	27.3	27.5	27.7	27.8	27.9	27.9	27.9	27.9	27.9	28.0	28.2
≥ 12000	17.2	24.1	25.3	26.3	27.7	28.1	28.3	28.5	28.7	28.8	28.8	28.8	28.8	28.8	28.9	29.0
≥ 10000	19.5	27.0	28.4	29.4	30.8	30.9	31.5	31.7	31.8	31.9	31.9	31.9	32.0	32.0	32.1	32.2
≥ 9000	20.2	28.0	29.5	30.5	31.9	32.0	32.6	32.8	33.0	33.1	33.1	33.1	33.1	33.1	33.3	33.5
≥ 8000	22.3	30.9	32.5	33.5	34.9	35.0	35.7	35.9	36.0	36.1	36.1	36.1	36.2	36.2	36.3	36.4
≥ 7000	23.1	33.0	35.2	36.2	37.6	37.8	38.5	38.7	38.8	39.0	39.0	39.0	39.0	39.0	39.1	39.2
≥ 6000	24.1	34.1	37.8	38.8	40.3	40.4	41.1	41.3	41.4	41.5	41.5	41.5	41.6	41.6	41.7	41.8
≥ 5000	26.3	36.7	40.7	41.7	43.2	43.4	44.1	44.3	44.4	44.5	44.5	44.5	44.6	44.6	44.7	44.8
≥ 4500	27.2	42.0	44.2	45.3	46.9	47.0	47.8	48.0	48.1	48.2	48.2	48.2	48.3	48.3	48.4	48.5
≥ 4000	30.2	45.1	48.0	49.2	50.9	50.9	51.8	52.0	52.1	52.2	52.2	52.2	52.2	52.3	52.4	52.5
≥ 3500	32.9	49.1	51.6	52.8	54.5	54.6	55.4	55.7	55.8	55.9	55.9	55.9	56.0	56.0	56.1	56.2
≥ 3000	35.1	53.3	56.3	57.6	59.3	59.4	60.3	60.5	60.7	60.8	60.8	60.8	60.9	60.9	61.0	61.0
≥ 2500	38.4	59.0	62.1	63.6	65.5	65.5	66.4	66.7	66.8	66.9	66.9	66.9	67.0	67.0	67.1	67.2
≥ 2000	42.5	66.0	69.3	71.0	73.2	73.2	74.2	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.9
≥ 1800	44.5	68.9	72.2	73.9	76.1	76.2	77.2	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.9	78.0
≥ 1500	47.1	73.0	76.4	80.3	82.6	82.7	83.8	84.0	84.2	84.3	84.3	84.3	84.4	84.5	84.6	84.7
≥ 1200	49.1	77.1	81.5	83.6	86.0	86.2	87.3	87.6	87.7	87.9	87.9	87.9	87.9	87.9	88.1	88.2
≥ 1000	49.9	79.5	83.7	86.0	88.6	88.8	90.0	90.2	90.3	90.5	90.5	90.5	90.6	90.6	90.7	90.8
≥ 900	50.3	80.1	84.7	87.1	89.7	89.9	91.1	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.9	91.9
≥ 800	50.4	80.9	85.7	88.3	91.0	91.2	92.5	92.8	92.9	93.2	93.2	93.2	93.2	93.2	93.4	93.5
≥ 700	50.4	81.1	86.0	88.7	91.4	91.6	92.9	93.2	93.3	93.6	93.6	93.6	93.6	93.6	93.8	93.9
≥ 600	50.4	81.3	86.2	89.0	91.7	91.9	93.2	93.5	93.6	93.9	93.9	93.9	93.9	93.9	94.1	94.2
≥ 500	50.5	81.4	86.4	89.3	92.0	92.3	93.6	94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.6	94.8
≥ 400	50.6	81.8	86.9	90.2	92.9	93.2	94.5	95.1	95.2	95.5	95.5	95.5	95.6	95.6	95.8	96.0
≥ 300	50.6	82.1	87.1	90.4	93.3	93.6	95.0	95.7	95.9	96.1	96.1	96.1	96.2	96.2	96.5	96.8
≥ 200	50.6	82.1	87.2	90.5	93.4	93.8	95.2	95.9	96.0	96.2	96.2	96.2	96.3	96.3	96.6	96.9
≥ 100	50.6	82.1	87.2	90.5	93.4	93.8	95.2	95.9	96.0	96.2	96.2	96.2	96.3	96.3	96.6	96.9
0	50.6	82.1	87.2	90.5	93.4	93.8	95.2	95.9	96.0	96.2	96.2	96.2	96.3	96.3	96.6	96.9

TOTAL NUMBER OF OBSERVATIONS 15

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON FAC STATION NAME | 1960-65 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-0500 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.5	13.2	16.2	16.9	17.0	17.0	17.1	17.1	17.1	17.2	17.3	17.3	17.3	17.3	17.5	17.5
≥ 20000	18.5	18.7	19.7	20.3	20.7	20.7	20.8	20.8	20.8	21.0	21.1	21.1	21.4	21.4	21.4	21.4
≥ 18000	19.1	19.8	19.9	20.3	20.8	20.8	20.9	20.9	20.9	21.1	21.2	21.2	21.5	21.5	21.5	21.7
≥ 16000	19.3	19.9	20.5	21.3	21.5	21.5	21.6	21.6	21.6	21.8	21.9	21.9	22.2	22.2	22.2	22.4
≥ 14000	19.7	19.9	20.9	21.7	21.9	21.9	22.0	22.0	22.0	22.2	22.3	22.3	22.6	22.6	22.6	22.8
≥ 12000	19.9	21.4	22.6	23.4	23.6	23.6	23.7	23.7	23.7	23.9	24.0	24.0	24.2	24.2	24.3	24.4
≥ 10000	20.1	24.1	25.3	26.1	26.3	26.3	26.4	26.4	26.4	26.6	26.7	26.7	27.0	27.0	27.0	27.2
≥ 9000	21.2	25.2	26.8	27.5	27.9	27.9	28.0	28.0	28.0	28.2	28.3	28.3	28.6	28.6	28.6	28.8
≥ 8000	23.0	27.6	29.1	29.9	30.2	30.2	30.4	30.4	30.4	30.6	30.7	30.7	31.0	31.0	31.1	31.3
≥ 7000	24.0	30.2	31.5	32.3	32.7	32.7	33.0	33.0	33.0	33.2	33.3	33.3	33.5	33.5	33.6	33.8
≥ 6000	26.2	32.3	33.7	34.6	34.9	34.9	35.1	35.1	35.1	35.3	35.4	35.4	35.7	35.7	35.8	35.9
≥ 5000	28.4	35.2	37.0	38.0	38.2	38.2	38.5	38.5	38.5	38.7	38.8	38.8	39.0	39.0	39.1	39.3
≥ 4500	29.9	38.2	40.1	41.2	41.5	41.5	41.8	41.8	41.8	41.9	42.1	42.1	42.3	42.3	42.4	42.6
≥ 4000	32.1	41.3	43.0	44.2	44.5	44.5	44.8	44.8	44.8	45.0	45.1	45.1	45.4	45.4	45.5	45.7
≥ 3500	35.7	45.5	47.2	48.4	48.7	48.7	49.1	49.1	49.1	49.3	49.5	49.5	49.7	49.7	49.8	50.1
≥ 3000	38.3	50.9	52.8	54.1	54.6	54.7	55.3	55.3	55.3	55.5	55.6	55.6	55.8	55.8	55.9	56.2
≥ 2500	41.0	56.2	58.3	59.6	60.3	60.4	61.0	61.0	61.0	61.3	61.4	61.4	61.7	61.7	61.8	62.1
≥ 2000	44.3	62.9	65.1	67.0	67.7	67.8	68.5	68.5	68.5	68.8	68.9	68.9	69.2	69.2	69.3	69.6
≥ 1800	46.9	66.0	68.9	70.8	71.8	71.9	72.7	72.7	72.7	73.1	73.2	73.2	73.5	73.5	73.6	73.9
≥ 1500	50.3	72.3	74.7	76.7	77.8	77.9	78.8	78.8	78.8	79.3	79.4	79.4	79.7	79.7	79.8	80.0
≥ 1200	52.1	76.2	79.0	81.3	82.4	82.6	83.5	83.6	83.6	84.1	84.2	84.2	84.5	84.5	84.6	84.9
≥ 1000	52.9	76.8	81.5	84.0	85.2	85.4	86.3	86.4	86.4	86.9	87.0	87.0	87.2	87.2	87.3	87.6
≥ 900	53.3	79.0	82.9	85.5	86.8	87.0	87.9	87.9	87.9	88.4	88.6	88.6	88.9	88.9	89.0	89.3
≥ 800	54.3	80.0	83.3	86.0	87.4	87.6	88.6	88.7	88.7	89.3	89.4	89.4	89.7	89.7	89.8	90.2
≥ 700	58.0	80.4	83.8	86.7	88.1	88.4	89.5	89.6	89.6	90.2	90.3	90.3	90.7	90.7	90.8	91.1
≥ 600	58.7	80.8	84.3	87.3	88.7	89.0	90.1	90.3	90.3	90.9	91.0	91.0	91.4	91.4	91.5	91.8
≥ 500	58.8	81.1	84.6	87.8	89.2	89.9	91.2	91.4	91.4	92.1	92.2	92.3	92.7	92.7	92.8	93.1
≥ 400	58.8	81.2	84.9	88.2	90.1	90.7	92.1	92.3	92.3	93.1	93.2	93.3	93.7	93.7	93.8	94.1
≥ 300	58.9	81.2	85.0	88.4	90.5	91.2	92.7	93.0	93.0	93.9	94.1	94.1	94.7	94.7	94.9	95.3
≥ 200	58.8	81.2	85.0	88.5	90.7	91.3	93.1	93.4	93.4	94.5	94.7	94.8	95.5	95.5	95.7	96.2
≥ 100	58.8	81.2	85.0	88.5	90.7	91.3	93.1	93.5	93.5	94.7	95.0	95.1	96.1	96.2	96.4	97.0
≥ 0	58.8	81.2	85.0	88.5	90.7	91.3	93.1	93.5	93.5	94.7	95.1	95.1	96.3	96.5	96.7	97.3

TOTAL NUMBER OF OBSERVATIONS _____

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24744 STATION | SEATTLE WASHINGTON STATION NAME | 48-65 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1159 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.0	15.6	16.5	16.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	18.0	18.0	18.0	18.1
≥ 20000	15.7	19.1	20.2	21.1	21.5	21.6	21.7	22.0	22.0	22.0	22.1	22.1	22.4	22.6	22.9	22.9
≥ 18000	16.9	19.6	21.0	21.3	21.7	21.1	21.9	22.2	22.2	22.3	22.4	22.9	22.9	22.9	23.1	23.1
≥ 16000	17.1	20.1	21.3	21.6	21.9	22.0	22.2	22.4	22.4	23.0	23.1	23.1	23.2	23.2	23.3	23.4
≥ 14000	17.9	20.4	21.7	22.0	22.4	22.4	22.6	22.9	22.9	23.5	23.6	23.6	23.6	23.6	23.9	23.9
≥ 12000	18.0	22.1	23.4	23.8	24.0	24.1	24.3	24.5	24.5	25.1	25.2	25.2	25.3	25.3	25.4	25.5
≥ 10000	21.3	25.0	26.7	26.9	27.4	27.4	27.6	27.7	27.9	28.4	28.6	28.6	28.6	28.6	28.8	28.8
≥ 9000	22.0	26.2	28.2	28.4	28.9	29.0	29.2	29.3	29.5	30.1	30.2	30.2	30.3	30.3	30.4	30.5
≥ 8000	24.3	28.1	31.3	31.5	32.0	32.2	32.5	32.7	32.7	33.4	33.5	33.5	33.5	33.6	33.7	33.7
≥ 7000	27.9	33.0	35.4	35.7	36.2	36.3	36.7	36.9	36.9	37.5	37.7	37.7	37.7	37.7	37.9	37.9
≥ 6000	29.2	35.9	37.7	38.1	38.5	38.6	39.0	39.3	39.3	39.9	40.1	40.0	40.1	40.1	40.2	40.3
≥ 5000	31.7	38.9	40.8	41.2	41.6	41.7	42.1	42.4	42.4	43.1	43.1	43.1	43.2	43.2	43.3	43.4
≥ 4500	32.8	41.2	43.4	43.8	44.2	44.4	44.8	45.0	45.0	45.8	45.9	45.9	45.9	45.9	46.0	46.0
≥ 4000	34.8	44.4	46.6	47.2	47.7	47.9	48.2	48.5	48.5	49.1	49.2	49.2	49.3	49.3	49.4	49.5
≥ 3500	37.2	46.6	50.8	51.3	51.8	52.0	52.3	52.6	52.6	53.2	53.4	53.4	53.4	53.4	53.5	53.6
≥ 3000	40.5	50.7	55.6	56.3	57.4	57.5	57.9	58.2	58.2	58.8	59.0	59.0	59.0	59.0	59.2	59.2
≥ 2500	44.2	57.0	61.9	63.1	64.0	64.2	64.5	64.8	64.8	65.5	65.6	65.6	65.7	65.7	65.8	65.9
≥ 2000	48.3	62.8	69.0	70.4	71.4	71.7	72.2	72.4	72.4	73.1	73.3	73.3	73.4	73.4	73.5	73.6
≥ 1800	50.8	69.0	72.3	74.0	75.2	75.3	75.7	76.0	76.0	76.7	76.9	76.9	76.9	77.0	77.1	77.2
≥ 1500	53.8	74.1	78.3	80.4	81.9	82.0	82.6	82.9	82.9	83.5	83.7	83.7	83.8	83.8	83.9	84.1
≥ 1200	55.1	76.3	82.3	85.4	86.5	86.7	87.3	87.6	87.6	88.4	88.5	88.5	88.6	88.6	88.7	88.9
≥ 1000	55.8	77.6	83.8	86.8	88.1	88.3	89.0	89.3	89.3	90.1	90.3	90.3	90.4	90.4	90.5	90.7
≥ 900	56.9	78.2	84.5	87.1	88.9	89.1	89.9	90.3	90.3	91.1	91.2	91.2	91.3	91.3	91.5	91.6
≥ 800	56.9	78.5	84.5	87.5	89.4	89.7	90.5	90.8	90.8	91.7	91.8	91.8	92.0	92.0	92.2	92.4
≥ 700	58.1	80.0	85.1	87.7	89.7	89.9	90.8	91.2	91.2	92.2	92.4	92.4	92.5	92.5	92.7	92.9
≥ 600	58.1	80.1	85.2	87.9	89.9	90.2	91.3	91.6	91.6	92.7	92.9	92.9	93.1	93.1	93.3	93.4
≥ 500	58.1	80.7	85.3	88.1	90.5	90.8	92.1	92.7	92.7	94.1	94.2	94.2	94.4	94.5	94.5	94.7
≥ 400	58.1	80.7	85.4	88.2	90.7	91.1	92.5	93.2	93.2	94.6	95.1	95.1	95.4	95.4	95.5	95.7
≥ 300	58.1	80.7	85.4	88.2	90.8	91.2	92.9	93.6	93.7	95.4	95.9	96.0	96.2	96.3	96.4	96.7
≥ 200	58.1	80.7	85.4	88.2	90.8	91.2	92.9	93.6	93.9	95.6	96.1	96.3	97.1	97.2	97.3	97.7
≥ 100	58.1	80.7	85.4	88.2	90.8	91.2	92.9	93.5	93.9	95.9	96.5	96.6	97.3	97.9	98.1	98.5
≥ 0	58.1	80.7	85.4	88.2	90.8	91.2	92.9	93.5	93.9	95.9	96.5	96.6	97.4	97.9	98.2	98.6

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INT STATION NAME | 62-66 YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1500 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.2	19.3	19.6	19.9	20.3	20.6	20.7	21.0	21.3	21.6	21.9	21.9	21.9	21.9	21.9	21.9
≥ 20000	21.3	24.2	24.6	25.1	25.3	25.9	26.3	26.4	26.4	26.4	26.5	26.5	26.6	26.9	26.9	26.6
≥ 18000	21.8	24.9	25.3	25.6	26.3	26.9	26.8	27.0	27.0	27.0	27.0	27.0	27.2	27.2	27.2	27.2
≥ 16000	22.0	25.1	25.6	26.0	26.7	26.8	27.2	27.4	27.4	27.4	27.5	27.5	27.6	27.6	27.6	27.6
≥ 14000	23.1	26.3	26.8	27.2	28.0	28.7	28.6	28.7	28.7	28.7	28.9	28.9	28.9	28.9	28.9	28.9
≥ 12000	24.3	28.1	28.7	29.1	30.0	30.1	30.1	30.1	30.2	30.2	30.2	30.2	31.0	31.0	31.0	31.0
≥ 10000	28.2	32.0	32.5	32.9	33.7	33.9	33.7	33.9	33.9	34.0	34.0	34.0	34.2	34.2	34.2	34.2
≥ 9000	29.3	33.2	33.7	34.2	34.9	35.0	35.1	35.2	35.2	35.3	35.4	35.4	35.5	35.6	35.6	35.6
≥ 8000	29.8	33.7	34.2	34.7	35.7	36.0	36.3	36.4	36.5	36.7	36.9	36.9	37.0	37.0	37.0	37.0
≥ 7000	32.1	36.0	36.7	37.3	38.6	39.0	39.2	39.3	39.3	39.5	39.6	39.6	39.8	39.8	39.8	39.8
≥ 6000	34.2	41.1	42.0	42.7	44.0	44.1	44.3	44.7	44.7	44.8	44.9	44.9	45.1	45.1	45.1	45.1
≥ 5000	36.9	43.0	43.9	44.7	46.1	46.3	46.7	47.0	47.0	47.3	47.4	47.4	47.6	47.6	47.6	47.6
≥ 4500	39.4	46.2	47.4	48.3	49.8	50.1	50.4	50.8	50.8	51.1	51.2	51.2	51.4	51.4	51.4	51.4
≥ 4000	42.1	49.7	51.1	52.2	53.8	54.2	54.6	55.0	55.0	55.3	55.4	55.4	55.6	55.6	55.6	55.6
≥ 3500	44.9	53.0	54.5	55.8	57.7	58.1	58.5	58.8	58.8	59.0	59.1	59.1	59.3	59.3	59.3	59.3
≥ 3000	47.2	56.1	57.9	59.4	61.4	61.8	62.3	62.5	62.5	62.8	62.9	62.9	63.1	63.1	63.1	63.1
≥ 2500	53.9	63.4	65.4	67.0	69.2	69.6	70.0	70.3	70.3	70.6	70.7	70.7	70.9	70.9	70.9	70.9
≥ 2000	58.9	69.0	71.0	72.8	75.1	75.5	75.9	76.2	76.2	76.5	76.6	76.6	76.8	76.8	76.8	76.8
≥ 1800	60.5	70.8	73.0	74.8	77.2	77.6	78.0	78.3	78.3	78.6	78.7	78.7	78.9	78.9	78.9	78.9
≥ 1500	62.5	73.5	75.9	77.9	80.5	80.9	81.3	81.6	81.6	81.9	82.0	82.0	82.2	82.2	82.2	82.2
≥ 1200	65.2	76.9	79.4	81.5	84.2	84.6	85.0	85.3	85.3	85.6	85.7	85.7	85.9	85.9	85.9	85.9
≥ 1000	66.4	78.3	80.9	83.0	85.8	86.2	86.6	86.9	86.9	87.2	87.3	87.3	87.5	87.5	87.5	87.5
≥ 900	67.5	79.5	82.1	84.2	87.0	87.4	87.8	88.1	88.1	88.4	88.5	88.5	88.7	88.7	88.7	88.7
≥ 800	68.2	80.4	83.0	85.2	88.0	88.4	88.8	89.1	89.1	89.4	89.5	89.5	89.7	89.7	89.7	89.7
≥ 700	68.6	80.8	83.5	85.7	88.5	88.9	89.3	89.6	89.6	89.9	90.0	90.0	90.2	90.2	90.2	90.2
≥ 600	68.8	81.0	83.7	85.9	88.8	89.2	89.6	89.9	89.9	90.2	90.3	90.3	90.5	90.5	90.5	90.5
≥ 500	69.0	81.3	84.0	86.2	89.1	89.5	89.9	90.2	90.2	90.5	90.6	90.6	90.8	90.8	90.8	90.8
≥ 400	69.0	81.3	84.0	86.2	89.1	89.5	89.9	90.2	90.2	90.5	90.6	90.6	90.8	90.8	90.8	90.8
≥ 300	69.0	81.3	84.0	86.2	89.1	89.5	89.9	90.2	90.2	90.5	90.6	90.6	90.8	90.8	90.8	90.8
≥ 200	69.0	81.3	84.0	86.2	89.1	89.5	89.9	90.2	90.2	90.5	90.6	90.6	90.8	90.8	90.8	90.8
≥ 100	69.0	81.3	84.0	86.2	89.1	89.5	89.9	90.2	90.2	90.5	90.6	90.6	90.8	90.8	90.8	90.8
≥ 0	69.0	81.3	84.0	86.2	89.1	89.5	89.9	90.2	90.2	90.5	90.6	90.6	90.8	90.8	90.8	90.8

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

(DATA PROCESSING DIVISION)
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13744 (STATION) | [illegible] (STATION NAME) | 1965-67 (YEARS) | 11 (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 (0-1700) (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.7	22.2	22.6	22.9	23.0	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.3	23.3	23.3	23.3
≥ 20000	25.1	26.1	26.5	26.8	27.2	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.5	27.5	27.6	27.6
≥ 18000	27.9	28.9	29.4	29.6	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	30.0	30.0	30.0	30.0
≥ 16000	28.0	28.7	29.1	29.4	29.6	29.9	30.0	30.0	30.0	30.1	30.1	30.1	30.3	30.3	30.3	30.3
≥ 14000	28.0	29.4	29.8	30.1	30.6	30.7	30.8	30.8	30.8	30.9	30.9	30.9	31.1	31.1	31.1	31.1
≥ 12000	29.1	32.1	32.5	32.8	33.3	33.4	33.5	33.5	33.5	33.6	33.6	33.6	33.9	33.9	33.9	33.9
≥ 10000	31.5	34.9	35.5	36.0	36.4	36.7	36.8	36.8	36.8	36.9	36.9	36.9	37.1	37.1	37.1	37.1
≥ 9000	33.0	36.0	37.2	37.7	38.1	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.8	38.8	38.8	38.8
≥ 8000	35.9	39.1	40.4	40.7	41.4	41.6	41.9	41.8	41.8	41.8	41.8	41.8	42.1	42.1	42.1	42.1
≥ 7000	38.0	42.0	43.5	44.0	44.5	44.7	45.0	45.0	45.0	45.1	45.1	45.1	45.4	45.4	45.4	45.4
≥ 6000	39.4	44.3	45.3	45.7	46.2	46.5	46.8	46.8	46.8	46.9	46.9	46.9	47.1	47.1	47.1	47.1
≥ 5000	42.7	49.4	50.3	50.9	51.4	51.6	51.7	51.8	51.9	52.0	52.0	52.0	52.2	52.2	52.2	52.2
≥ 4500	44.9	52.4	53.4	54.0	54.6	54.9	55.2	55.2	55.2	55.3	55.3	55.3	55.5	55.5	55.5	55.5
≥ 4000	47.1	56.4	57.7	58.3	59.3	59.5	59.8	59.8	59.8	59.9	59.9	59.9	60.1	60.1	60.1	60.1
≥ 3500	48.9	60.6	62.1	63.4	64.1	64.4	64.8	64.8	64.8	64.9	65.0	65.0	65.3	65.3	65.3	65.3
≥ 3000	53.4	65.0	67.7	69.0	69.9	70.2	70.7	71.1	71.1	71.1	71.2	71.2	71.6	71.6	71.7	71.8
≥ 2500	57.2	71.3	73.8	75.3	76.2	76.7	77.1	77.6	77.5	77.7	77.8	77.8	78.1	78.1	78.2	78.2
≥ 2000	61.3	76.0	80.6	82.6	83.6	84.1	84.5	85.2	85.2	85.4	85.4	85.5	85.7	85.7	85.7	85.7
≥ 1800	62.4	79.3	82.3	84.5	85.8	86.3	86.7	87.4	87.4	87.4	87.6	87.6	87.9	87.9	87.9	87.9
≥ 1500	63.4	82.2	85.2	87.9	89.6	90.0	90.6	91.2	91.2	91.3	91.5	91.5	91.8	91.8	91.9	91.9
≥ 1200	63.9	83.1	87.4	90.1	91.9	92.4	93.1	93.7	93.7	93.9	94.1	94.0	94.3	94.3	94.4	94.4
≥ 1000	64.1	84.3	88.3	91.3	93.2	93.7	94.6	95.3	95.3	95.7	95.8	95.8	96.1	96.1	96.2	96.2
≥ 900	64.2	84.6	88.8	91.9	93.7	94.3	95.2	96.1	96.1	96.4	96.6	96.6	96.9	96.9	97.0	97.0
≥ 800	64.2	84.6	88.8	91.9	93.7	94.3	95.3	96.3	96.3	96.6	97.0	97.0	97.3	97.3	97.4	97.4
≥ 700	64.2	84.9	89.0	92.2	94.1	94.8	95.9	97.0	97.0	97.3	97.7	97.7	97.9	97.9	98.0	98.0
≥ 600	64.2	85.0	89.1	92.4	94.3	95.1	96.3	97.4	97.6	97.9	98.2	98.2	98.5	98.5	98.6	98.6
≥ 500	64.2	85.0	89.2	92.6	94.5	95.3	96.9	98.2	98.2	98.5	98.8	98.8	99.1	99.1	99.2	99.2
≥ 400	64.2	85.0	89.2	92.6	94.6	95.4	97.0	98.5	98.5	98.8	99.1	99.1	99.4	99.4	99.5	99.5
≥ 300	64.2	85.0	89.2	92.6	94.6	95.4	97.0	98.5	98.5	98.9	99.2	99.2	99.5	99.5	99.6	99.6
≥ 200	64.2	85.0	89.2	92.6	94.6	95.4	97.0	98.5	98.5	98.9	99.2	99.2	99.7	99.7	99.8	99.8
≥ 100	64.2	85.0	89.2	92.6	94.6	95.4	97.0	98.5	98.5	98.9	99.2	99.2	99.7	99.7	99.8	99.8
≥ 0	64.2	85.0	89.2	92.6	94.8	95.6	97.2	98.7	98.7	99.1	99.4	99.4	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING SYSTEM
3
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 (STATION) SEATTLE-WASHINGTON INTL AP (STATION NAME) 59-62 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2000 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.9	27.6	28.4	29.7	31.9	32.9	29.1	29.1	29.1	29.1	29.1	29.1	29.2	29.3	29.5	29.5
≥ 20000	26.8	31.2	32.2	32.6	32.6	32.8	33.0	33.1	33.0	33.0	33.0	33.0	33.1	33.2	33.4	33.4
≥ 18000	27.2	32.1	32.3	33.2	33.4	33.4	33.6	33.6	33.6	33.6	33.7	33.7	33.9	33.8	33.7	33.7
≥ 16000	27.4	32.2	33.0	33.4	33.5	33.7	33.7	33.7	33.7	33.8	33.8	33.8	33.9	33.9	33.9	33.9
≥ 14000	27.9	32.7	33.7	34.0	34.2	34.4	34.4	34.4	34.4	34.5	34.5	34.5	34.6	34.7	34.7	34.7
≥ 12000	28.9	34.4	35.1	35.5	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	36.1	36.2	36.2	36.2
≥ 10000	30.1	36.8	37.7	38.2	38.5	38.7	38.8	38.8	38.8	38.9	38.9	38.9	39.0	39.1	39.1	39.1
≥ 9000	31.3	38.8	39.8	39.3	40.1	40.2	40.3	40.4	40.4	40.3	40.3	40.3	40.5	40.6	40.7	40.7
≥ 8000	34.9	41.4	42.5	43.0	43.4	43.5	43.7	43.7	43.7	43.8	43.8	43.8	43.9	44.0	44.0	44.0
≥ 7000	37.0	44.3	45.9	46.5	46.9	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.6	47.7	47.7	47.7
≥ 6000	37.6	45.6	47.3	47.9	48.4	48.5	48.8	48.8	48.8	48.9	48.9	48.9	49.0	49.1	49.1	49.1
≥ 5000	40.1	49.3	51.0	51.7	52.2	52.3	52.5	52.5	52.6	52.7	52.7	52.7	52.8	52.9	52.9	52.9
≥ 4500	42.0	53.4	55.2	55.9	56.3	56.4	56.7	56.7	56.7	56.8	56.8	56.8	56.9	56.9	57.0	57.0
≥ 4000	45.2	57.4	59.3	60.1	60.6	60.7	61.0	61.0	61.0	61.1	61.1	61.1	61.3	61.3	61.4	61.4
≥ 3500	47.4	61.2	63.4	64.4	65.0	65.1	65.4	65.5	65.5	65.7	65.7	65.7	66.0	66.1	66.1	66.1
≥ 3000	50.6	66.0	68.5	69.9	70.4	70.6	70.9	71.3	71.0	71.2	71.3	71.3	71.5	71.6	71.7	71.7
≥ 2500	54.1	71.1	73.7	75.0	75.7	75.9	76.2	76.3	76.3	76.5	76.6	76.6	76.8	76.9	77.0	77.0
≥ 2000	57.0	77.1	80.7	82.4	83.3	83.5	83.9	84.0	84.0	84.1	84.2	84.3	84.4	84.5	84.5	84.5
≥ 1800	57.2	79.0	82.9	84.7	85.8	86.0	86.4	86.4	86.4	86.6	86.7	86.7	86.9	87.0	87.0	87.0
≥ 1500	59.5	82.0	86.1	88.1	89.3	89.7	90.1	90.1	90.1	90.3	90.4	90.5	90.7	90.8	90.8	90.8
≥ 1200	60.4	85.3	89.5	91.7	93.2	93.4	93.8	93.9	93.9	94.1	94.2	94.2	94.4	94.5	94.6	94.6
≥ 1000	60.4	86.1	90.6	93.0	94.9	95.1	95.6	95.6	95.6	95.8	96.0	96.0	96.1	96.3	96.3	96.3
≥ 900	60.5	86.4	90.8	93.3	95.2	95.4	96.0	96.0	96.0	96.2	96.4	96.4	96.5	96.7	96.7	96.7
≥ 800	60.5	86.7	91.3	93.7	95.7	96.0	96.8	97.0	97.0	97.2	97.4	97.4	97.5	97.7	97.7	97.7
≥ 700	60.5	86.7	91.3	93.7	95.8	96.1	96.9	97.1	97.1	97.3	97.5	97.5	97.6	97.8	97.9	97.9
≥ 600	60.5	86.7	91.3	93.7	95.8	96.1	97.0	97.3	97.3	97.5	97.7	97.7	97.8	98.0	98.1	98.1
≥ 500	60.5	86.9	91.5	93.9	96.0	96.3	97.5	97.7	97.7	98.0	98.2	98.2	98.3	98.5	98.6	98.6
≥ 400	60.5	86.9	91.5	94.0	96.1	96.5	97.6	98.0	98.0	98.3	98.4	98.4	98.6	98.8	98.9	98.9
≥ 300	60.5	86.9	91.5	94.0	96.1	96.6	97.8	98.2	98.2	98.6	98.8	98.8	98.9	99.2	99.3	99.3
≥ 200	60.5	86.9	91.5	94.0	96.1	96.7	97.9	98.4	98.4	98.7	99.1	99.1	99.2	99.4	99.5	99.5
≥ 100	60.5	86.9	91.5	94.0	96.1	96.7	97.9	98.4	98.4	98.7	99.1	99.1	99.3	99.6	99.7	99.7
≥ 0	60.5	86.9	91.5	94.2	96.3	96.8	98.0	98.5	98.5	98.9	99.2	99.2	99.4	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) 0100-2400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.0	28.0	29.7	29.9	29.6	29.8	30.0	30.1	30.1	30.2	30.2	30.2	30.3	30.3	30.3	30.3
≥ 20000	24.2	31.1	32.1	32.3	32.2	32.3	32.5	32.7	32.7	32.7	32.7	32.7	32.8	32.8	32.8	32.8
≥ 18000	25.0	31.7	32.7	33.4	33.7	33.9	34.1	34.2	34.2	34.3	34.3	34.3	34.4	34.4	34.4	34.4
≥ 16000	25.0	31.8	32.8	33.5	33.9	34.0	34.2	34.4	34.4	34.4	34.4	34.4	34.5	34.5	34.5	34.5
≥ 14000	25.1	32.0	32.9	33.7	34.0	34.1	34.4	34.5	34.5	34.6	34.7	34.7	34.8	34.8	34.8	34.8
≥ 12000	25.3	32.2	33.4	34.2	34.5	34.8	35.0	35.2	35.2	35.3	35.4	35.4	35.5	35.5	35.5	35.5
≥ 10000	27.4	34.2	35.3	36.3	36.8	37.1	37.4	37.5	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6
≥ 9000	28.2	37.0	38.2	39.2	39.8	40.1	40.4	40.5	40.5	40.5	40.5	40.5	40.6	40.6	40.6	40.6
≥ 8000	31.2	41.0	42.1	43.2	43.7	44.0	44.2	44.3	44.3	44.4	44.4	44.4	44.5	44.5	44.5	44.5
≥ 7000	34.5	43.3	44.6	46.1	46.7	47.1	47.3	47.4	47.4	47.5	47.5	47.5	47.6	47.6	47.6	47.6
≥ 6000	35.2	46.0	47.7	48.8	49.4	49.7	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 5000	37.3	51.2	52.5	53.6	54.3	54.6	54.8	55.0	55.1	55.2	55.2	55.2	55.1	55.1	55.1	55.1
≥ 4500	40.7	53.9	55.5	56.8	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 4000	42.7	57.1	58.8	59.9	60.3	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2
≥ 3500	45.0	61.1	63.2	64.4	65.1	65.4	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3000	47.4	66.6	68.2	69.3	70.4	70.7	71.0	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.4	71.3
≥ 2500	50.3	71.4	73.2	74.3	75.3	75.6	76.1	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2000	51.1	76.4	78.3	79.9	82.9	83.2	83.5	83.6	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1800	55.1	80.9	82.8	84.5	85.4	85.7	86.0	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1500	56.9	85.0	87.4	88.9	89.8	90.0	90.3	90.4	90.4	90.7	90.8	91.0	91.0	91.0	91.0	91.0
≥ 1200	57.8	87.2	89.6	91.2	92.4	92.7	93.0	93.1	93.1	93.3	93.4	93.4	93.5	93.5	93.5	93.5
≥ 1000	58.0	88.0	91.5	93.3	94.7	95.0	95.3	95.5	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	58.0	89.1	91.9	93.8	95.1	95.5	95.8	96.0	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	58.1	89.3	92.3	94.3	96.0	96.4	96.9	97.0	97.0	97.2	97.4	97.3	97.4	97.4	97.4	97.4
≥ 700	58.1	89.6	92.5	94.4	96.1	96.7	97.3	97.4	97.4	97.7	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	58.1	89.6	92.6	94.6	96.4	96.9	97.6	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	58.1	89.6	92.6	94.7	96.5	97.0	97.8	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	58.1	89.8	92.7	94.8	96.7	97.2	98.0	98.3	98.4	98.7	98.8	98.9	99.0	99.0	99.0	99.0
≥ 300	58.1	89.8	92.7	94.9	96.7	97.2	98.0	98.3	98.5	98.7	99.0	99.0	99.1	99.1	99.1	99.1
≥ 200	58.1	89.8	92.7	94.9	96.7	97.2	98.1	98.4	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2
≥ 100	58.1	89.8	92.7	94.9	96.7	97.2	98.2	98.5	98.7	99.0	99.2	99.2	99.3	99.3	99.3	99.3
≥ 0	58.1	89.8	92.9	95.1	96.9	97.4	98.4	98.7	.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS _____

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE STATION NAME | 1948-70 YEARS | JUL MONTH

ALL HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.5	71.4	82.2	88.0	93.3	93.8	95.5	95.7	96.7	97.3	97.8	98.0	98.9	99.1	99.2	100.0
≥ 20000	57.7	71.6	82.0	88.1	93.2	93.8	95.5	95.7	96.7	97.3	97.8	98.0	98.9	99.1	99.2	100.0
≥ 18000	57.9	72.0	82.4	88.3	93.6	94.1	95.8	96.0	97.0	97.6	98.1	98.3	99.2	99.4	99.5	100.3
≥ 16000	58.1	72.0	82.7	88.6	93.8	94.3	96.0	96.2	97.2	97.8	98.3	98.5	99.4	99.6	99.7	100.6
≥ 14000	58.2	72.4	83.3	89.2	94.4	94.9	96.6	96.8	97.8	98.4	98.9	99.1	99.9	100.1	100.2	101.0
≥ 12000	58.4	72.6	83.5	89.4	94.6	95.1	96.8	97.0	98.0	98.6	99.1	99.3	100.1	100.3	100.4	101.2
≥ 10000	58.8	73.1	84.0	89.9	95.1	95.6	97.3	97.5	98.5	99.1	99.6	99.8	100.6	100.8	100.9	101.7
≥ 9000	58.9	73.2	84.1	90.0	95.2	95.7	97.4	97.6	98.6	99.2	99.7	99.9	100.7	100.9	101.0	101.8
≥ 8000	59.0	73.6	84.5	90.4	95.6	96.1	97.8	98.0	99.0	99.6	100.1	100.3	101.1	101.3	101.4	102.2
≥ 7000	59.1	73.7	84.6	90.5	95.7	96.2	97.9	98.1	99.1	99.7	100.2	100.4	101.2	101.4	101.5	102.3
≥ 6000	59.4	74.0	84.9	90.8	96.0	96.5	98.2	98.4	99.4	100.0	100.5	100.7	101.5	101.7	101.8	102.6
≥ 5000	59.5	74.1	85.0	90.9	96.1	96.6	98.3	98.5	99.5	100.1	100.6	100.8	101.6	101.8	101.9	102.7
≥ 4500	59.6	74.2	85.1	91.0	96.2	96.7	98.4	98.6	99.6	100.2	100.7	100.9	101.7	101.9	102.0	102.8
≥ 4000	59.8	74.4	85.3	91.2	96.4	96.9	98.6	98.8	99.8	100.4	100.9	101.1	101.9	102.1	102.2	103.0
≥ 3500	60.0	74.6	85.5	91.4	96.6	97.1	98.8	99.0	100.0	100.6	101.1	101.3	102.1	102.3	102.4	103.2
≥ 3000	60.2	74.8	85.7	91.6	96.8	97.3	99.0	99.2	100.2	100.8	101.3	101.5	102.3	102.5	102.6	103.4
≥ 2500	60.5	75.1	86.0	91.9	97.1	97.6	99.3	99.5	100.5	101.1	101.6	101.8	102.6	102.8	102.9	103.7
≥ 2000	60.6	75.2	86.1	92.0	97.2	97.7	99.4	99.6	100.6	101.2	101.7	101.9	102.7	102.9	103.0	103.8
≥ 1800	60.8	75.4	86.3	92.2	97.4	97.9	99.6	99.8	100.8	101.4	101.9	102.1	102.9	103.1	103.2	104.0
≥ 1500	60.9	75.5	86.4	92.3	97.5	98.0	99.7	99.9	100.9	101.5	102.0	102.2	103.0	103.2	103.3	104.1
≥ 1200	61.1	75.7	86.6	92.5	97.7	98.2	99.9	100.1	101.1	101.7	102.2	102.4	103.2	103.4	103.5	104.3
≥ 1000	61.2	75.8	86.7	92.6	97.8	98.3	100.0	100.2	101.2	101.8	102.3	102.5	103.3	103.5	103.6	104.4
≥ 900	61.3	75.9	86.8	92.7	97.9	98.4	100.1	100.3	101.3	101.9	102.4	102.6	103.4	103.6	103.7	104.5
≥ 800	61.4	76.0	86.9	92.8	98.0	98.5	100.2	100.4	101.4	102.0	102.5	102.7	103.5	103.7	103.8	104.6
≥ 700	61.5	76.1	87.0	92.9	98.1	98.6	100.3	100.5	101.5	102.1	102.6	102.8	103.6	103.8	103.9	104.7
≥ 600	61.6	76.2	87.1	93.0	98.2	98.7	100.4	100.6	101.6	102.2	102.7	102.9	103.7	103.9	104.0	104.8
≥ 500	61.7	76.3	87.2	93.1	98.3	98.8	100.5	100.7	101.7	102.3	102.8	103.0	103.8	104.0	104.1	104.9
≥ 400	61.8	76.4	87.3	93.2	98.4	98.9	100.6	100.8	101.8	102.4	102.9	103.1	103.9	104.1	104.2	105.0
≥ 300	61.9	76.5	87.4	93.3	98.5	99.0	100.7	100.9	101.9	102.5	103.0	103.2	104.0	104.2	104.3	105.1
≥ 200	61.9	76.5	87.4	93.3	98.5	99.0	100.7	100.9	101.9	102.5	103.0	103.2	104.0	104.2	104.3	105.1
≥ 100	61.9	76.5	87.4	93.3	98.5	99.0	100.7	100.9	101.9	102.5	103.0	103.2	104.0	104.2	104.3	105.1
0	61.9	76.5	87.4	93.3	98.5	99.0	100.7	100.9	101.9	102.5	103.0	103.2	104.0	104.2	104.3	105.1

TOTAL NUMBER OF OBSERVATIONS _____

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
FIELD USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

4244 STATION | SEATTLE [illegible] STATION NAME | [illegible] YEARS | [illegible] 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.1	29.4	27.1	28.1	27.5	28.5	26.1	27.0	29.0	29.1	29.1	29.1	29.5	29.5	23.5	27.5
≥ 20000	32.9	29.9	29.6	30.7	31.0	31.1	31.4	31.-	31.5	31.7	31.7	31.7	32.1	32.1	32.1	32.1
≥ 18000	33.4	27.0	30.3	31.1	31.7	31.-	32.1	32.3	32.3	32.4	32.4	32.4	32.5	32.-	32.5	32.3
≥ 16000	33.4	29.1	30.5	31.0	31.9	32.0	32.1	32.4	32.4	32.5	32.5	32.5	32.9	32.9	32.9	32.9
≥ 14000	33.8	30.3	31.0	32.1	32.5	32.5	32.5	33.0	33.0	33.1	33.1	33.1	33.5	33.5	33.5	33.5
≥ 12000	35.1	31.0	32.5	33.-	34.0	34.0	34.3	34.5	34.5	34.6	34.-	34.-	35.0	35.0	35.-	35.0
≥ 10000	37.0	34.0	35.4	36.0	37.0	37.1	37.4	37.6	37.6	37.7	37.7	37.1	38.1	38.1	38.1	38.1
≥ 9000	40.1	37.9	39.1	39.9	41.3	41.4	41.7	41.9	41.8	41.9	41.9	41.9	42.3	42.3	42.3	42.3
≥ 8000	42.5	40.2	41.9	42.3	42.7	42.7	43.-	43.2	43.2	43.3	43.3	43.3	43.7	43.7	43.7	43.7
≥ 7000	45.7	44.3	45.2	45.5	46.9	46.9	47.2	47.4	47.4	47.5	47.5	47.5	47.9	47.9	47.9	47.9
≥ 6000	47.4	47.1	48.2	49.9	50.3	50.3	50.5	50.7	50.8	50.9	50.9	50.9	51.3	51.3	51.3	51.3
≥ 5000	49.3	50.0	51.7	53.0	53.4	53.5	53.7	53.7	53.9	54.0	54.-	54.0	54.4	54.4	54.4	54.4
≥ 4500	41.4	54.0	55.0	56.3	56.7	56.7	57.0	57.2	57.2	57.4	57.4	57.4	57.8	57.8	57.8	57.8
≥ 4000	42.8	57.0	58.2	59.6	60.0	60.1	60.4	60.5	60.5	60.7	60.7	60.7	61.1	61.1	61.1	61.1
≥ 3500	44.3	60.3	61.8	63.3	63.8	64.0	64.1	64.3	64.3	64.5	64.5	64.5	64.9	64.9	64.9	64.9
≥ 3000	47.3	63.1	64.7	66.9	67.4	67.5	67.7	69.7	69.9	70.0	70.-	70.0	70.4	70.4	70.4	70.4
≥ 2500	50.0	71.4	73.0	74.7	75.2	75.2	75.5	75.7	75.7	75.9	75.9	75.9	76.3	76.3	76.3	76.3
≥ 2000	55.0	79.0	81.3	83.2	83.7	83.8	84.0	84.-	84.2	84.4	84.4	84.4	84.8	84.8	84.8	84.8
≥ 1800	58.9	83.2	85.0	86.7	87.5	87.6	87.8	88.0	88.0	88.2	88.2	88.2	88.5	88.5	88.5	88.5
≥ 1500	60.5	87.3	89.3	91.2	91.8	91.9	92.2	92.3	92.3	92.5	92.5	92.5	93.0	93.0	93.0	93.0
≥ 1200	91.9	89.5	91.5	93.5	94.2	94.3	94.6	94.8	94.8	94.9	94.9	94.9	95.3	95.4	95.4	95.4
≥ 1000	91.9	90.0	92.7	94.8	95.5	95.6	95.9	96.0	96.0	96.2	96.3	96.3	96.7	96.7	96.7	96.7
≥ 900	91.9	90.8	92.9	95.0	95.8	95.9	96.1	96.4	96.4	96.5	96.5	96.5	97.1	97.1	97.1	97.1
≥ 800	91.9	91.2	93.3	95.4	96.3	96.3	96.7	96.9	96.9	97.1	97.1	97.1	97.5	97.5	97.5	97.5
≥ 700	91.9	91.2	93.4	95.8	96.4	96.4	96.8	97.0	97.0	97.2	97.3	97.3	97.8	97.8	97.8	97.8
≥ 600	91.9	91.5	93.7	95.9	96.7	96.8	97.2	97.3	97.3	97.7	97.8	97.8	98.2	98.2	98.2	98.2
≥ 500	92.0	91.7	93.9	96.3	97.1	97.1	97.6	97.9	97.9	98.2	98.2	98.2	98.6	98.7	98.7	98.7
≥ 400	92.0	91.8	94.1	96.5	97.3	97.4	97.9	98.2	98.2	98.4	98.5	98.5	99.0	99.0	99.0	99.0
≥ 300	92.0	91.8	94.1	96.5	97.5	97.5	98.0	98.3	98.3	98.6	98.7	98.7	99.1	99.1	99.1	99.1
≥ 200	92.0	91.9	94.2	96.6	97.5	97.6	98.2	98.5	98.5	98.8	98.8	98.8	99.3	99.3	99.3	99.3
≥ 100	92.0	91.9	94.2	96.6	97.5	97.6	98.2	98.6	98.6	98.8	98.9	98.9	99.3	99.4	99.4	99.4
≥ 0	92.0	91.9	94.2	96.6	97.5	97.6	98.2	98.6	98.6	98.8	98.9	98.9	99.3	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 17-

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 | SEATTLE [illegible] | [illegible] | [illegible]
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible] 0
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.3	21.[illegible]	22.9	23.0	24.1	24.3	25.0	25.1	25.1	25.2	25.[illegible]	25.2	25.3	25.[illegible]	25.6	25.4
≥ 20000	18.1	24.0	25.3	26.3	27.0	27.2	27.4	27.[illegible]	28.0	28.1	28.1	2[illegible].1	29.2	29.[illegible]	29.[illegible]	[illegible].3
≥ 18000	20.0	24.3	25.6	26.[illegible]	27.3	27.5	28.1	28.3	28.3	28.4	29.4	2[illegible].3	29.5	29.[illegible]	2[illegible].7	[illegible].6
≥ 16000	20.0	24.0	25.7	26.2	27.4	27.6	28.2	28.4	28.4	28.5	29.5	2[illegible].3	29.6	29.[illegible]	[illegible].7	[illegible].7
≥ 14000	21.0	26.1	27.9	28.1	29.5	29.8	29.4	29.[illegible]	29.6	29.0	29.[illegible]	2[illegible].0	29.7	29.[illegible]	29.[illegible]	[illegible].9
≥ 12000	21.1	27.2	28.0	29.2	29.7	30.0	30.[illegible]	30.[illegible]	30.8	30.[illegible]	30.[illegible]	3[illegible].[illegible]	31.0	31.[illegible]	31.1	[illegible].1
≥ 10000	24.5	30.4	31.1	32.3	33.0	33.3	33.[illegible]	34.1	34.1	34.1	34.1	3[illegible].1	34.3	34.[illegible]	34.4	[illegible].4
≥ 9000	25.4	31.2	32.3	33.5	34.2	34.4	35.[illegible]	35.[illegible]	35.2	35.3	35.4	3[illegible].3	35.4	35.[illegible]	35.[illegible]	[illegible].5
≥ 8000	25.[illegible]	34.0	35.6	36.7	37.6	37.[illegible]	38.4	38.[illegible]	38.6	38.7	38.7	3[illegible].7	38.[illegible]	38.[illegible]	38.[illegible]	[illegible].0
≥ 7000	31.1	39.0	39.[illegible]	41.2	41.9	42.1	42.[illegible]	42.[illegible]	42.[illegible]	42.9	43.[illegible]	4[illegible].[illegible]	43.[illegible]	43.[illegible]	43.[illegible]	43.3
≥ 6000	32.2	41.0	41.[illegible]	43.2	43.9	44.2	44.[illegible]	45.0	45.0	45.1	45.1	4[illegible].1	45.1	45.[illegible]	45.4	[illegible].4
≥ 5000	34.1	43.[illegible]	44.4	45.[illegible]	46.[illegible]	46.[illegible]	47.4	47.[illegible]	47.[illegible]	47.7	47.7	4[illegible].7	47.[illegible]	47.[illegible]	[illegible].[illegible]	[illegible].0
≥ 4500	36.0	47.1	48.0	49.3	50.0	50.3	51.0	51.1	51.1	51.2	51.2	5[illegible].2	51.4	51.[illegible]	51.5	[illegible].[illegible]
≥ 4000	37.3	49.3	50.5	52.0	52.7	53.0	53.7	53.[illegible]	53.[illegible]	53.9	53.[illegible]	5[illegible].3	53.[illegible]	53.[illegible]	[illegible].[illegible]	[illegible].2
≥ 3500	40.1	54.2	55.4	56.7	57.6	57.9	58.[illegible]	58.[illegible]	58.7	58.8	58.[illegible]	5[illegible].8	59.[illegible]	59.[illegible]	59.[illegible]	[illegible].1
≥ 3000	42.9	59.1	61.3	63.0	63.9	64.1	64.8	65.0	65.0	65.0	65.0	6[illegible].1	65.0	65.[illegible]	[illegible].[illegible]	[illegible].2
≥ 2500	45.3	60.0	67.9	69.7	70.7	71.0	71.[illegible]	71.[illegible]	71.[illegible]	71.6	71.[illegible]	7[illegible].[illegible]	72.0	72.[illegible]	[illegible].[illegible]	[illegible].1
≥ 2000	51.6	73.1	75.9	77.8	78.8	79.1	79.7	79.9	79.9	79.9	79.[illegible]	7[illegible].[illegible]	[illegible].1	80.[illegible]	[illegible].2	[illegible].[illegible]
≥ 1800	53.3	77.2	79.4	81.3	82.3	82.6	83.3	83.[illegible]	83.[illegible]	83.5	83.[illegible]	8[illegible].[illegible]	84.[illegible]	84.[illegible]	84.[illegible]	[illegible].[illegible]
≥ 1500	54.2	78.6	80.2	82.3	83.3	83.6	84.1	84.[illegible]	84.[illegible]	84.[illegible]	84.[illegible]	8[illegible].[illegible]	84.[illegible]	84.[illegible]	[illegible].[illegible]	[illegible].[illegible]
≥ 1200	57.2	83.1	88.2	90.4	91.5	91.8	92.5	92.7	92.7	92.7	92.7	9[illegible].7	92.9	92.[illegible]	[illegible].[illegible]	[illegible].[illegible]
≥ 1000	57.5	83.[illegible]	89.2	91.5	92.6	92.9	93.6	93.[illegible]	93.8	93.8	93.[illegible]	9[illegible].[illegible]	[illegible].1	94.[illegible]	[illegible].2	[illegible].[illegible]
≥ 900	57.5	88.9	89.5	91.8	92.9	93.2	93.9	94.1	94.1	94.2	94.2	9[illegible].2	94.4	94.[illegible]	[illegible].5	[illegible].[illegible]
≥ 800	57.[illegible]	87.4	90.0	92.3	93.3	93.[illegible]	94.5	94.[illegible]	94.[illegible]	94.[illegible]	94.[illegible]	9[illegible].[illegible]	95.1	95.[illegible]	[illegible].[illegible]	[illegible].[illegible]
≥ 700	57.8	87.5	90.1	92.4	93.7	94.0	94.[illegible]	95.0	95.0	95.0	95.[illegible]	9[illegible].[illegible]	95.3	95.[illegible]	[illegible].4	[illegible].[illegible]
≥ 600	57.9	87.6	90.3	92.7	93.9	94.2	95.0	95.2	95.2	95.3	95.[illegible]	9[illegible].[illegible]	95.6	95.[illegible]	[illegible].7	[illegible].7
≥ 500	57.8	87.7	90.4	92.9	94.2	94.5	95.[illegible]	95.5	95.5	95.6	95.[illegible]	9[illegible].9	96.0	96.[illegible]	[illegible].[illegible]	[illegible].[illegible]
≥ 400	57.8	87.8	90.5	93.0	94.4	94.6	95.7	96.0	96.0	96.1	96.1	9[illegible].1	96.1	96.[illegible]	[illegible].7	[illegible].7
≥ 300	57.9	87.8	90.5	93.1	94.5	94.8	96.1	97.4	96.4	96.5	96.[illegible]	9[illegible].[illegible]	97.1	97.[illegible]	[illegible].[illegible]	[illegible].[illegible]
≥ 200	57.9	88.0	90.7	93.3	94.7	95.0	96.4	98.[illegible]	96.[illegible]	97.5	97.[illegible]	9[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].2	[illegible].[illegible]
≥ 100	57.9	88.0	90.7	93.3	94.7	95.0	96.4	98.[illegible]	96.[illegible]	97.3	97.[illegible]	9[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
≥ 0	57.9	88.0	90.7	93.3	94.7	95.0	96.4	98.[illegible]	96.8	97.3	97.[illegible]	9[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
[illegible]
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE [illegible] STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible] HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.0	17.4	17.7	18.1	18.3	18.9	19.0	19.0	19.0	19.1	19.1	19.1	19.2	19.2	19.3	19.3
≥ 20000	19.0	20.9	21.1	21.7	22.2	22.2	22.6	22.8	22.9	22.9	22.9	22.9	23.0	23.0	23.1	23.3
≥ 18000	19.4	21.3	21.6	22.1	22.6	22.6	23.1	23.2	23.2	23.4	23.4	23.4	23.4	23.4	23.5	23.7
≥ 16000	19.5	21.4	21.7	22.2	22.7	22.7	23.2	23.3	23.3	23.4	23.4	23.4	23.5	23.5	23.6	23.8
≥ 14000	19.5	22.0	23.0	23.5	24.0	24.0	24.5	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.9	25.1
≥ 12000	21.4	24.7	25.0	25.5	26.0	26.1	26.7	26.9	27.0	27.1	27.1	27.1	27.1	27.1	27.2	27.4
≥ 10000	23.3	27.0	27.3	27.8	28.3	28.4	29.1	29.3	29.3	29.4	29.5	29.5	29.6	29.6	29.7	29.9
≥ 9000	24.3	28.1	28.5	29.1	29.7	29.8	30.5	30.7	30.7	30.7	30.9	30.9	31.0	31.0	31.1	31.3
≥ 8000	27.0	32.4	32.8	33.6	34.2	34.3	35.0	35.2	35.2	35.4	35.4	35.4	35.5	35.5	35.6	35.8
≥ 7000	28.1	33.5	34.1	34.9	35.5	35.7	36.4	36.5	36.5	36.7	36.8	36.8	36.8	36.8	36.9	37.1
≥ 6000	30.0	37.5	38.1	38.9	39.5	39.7	40.4	40.6	40.6	40.7	40.8	40.8	40.8	40.8	41.0	41.1
≥ 5000	36.0	41.0	42.3	43.3	43.9	44.1	44.8	44.9	44.9	45.1	45.2	45.2	45.2	45.2	45.3	45.5
≥ 4500	36.1	44.1	45.5	46.7	47.4	47.5	48.3	48.4	48.4	48.6	48.7	48.7	48.7	48.7	48.8	49.0
≥ 4000	38.2	47.1	48.6	49.9	50.5	50.7	51.4	51.6	51.6	51.8	51.9	51.9	51.9	51.9	52.0	52.2
≥ 3500	41.6	52.1	53.4	54.7	55.4	55.5	56.3	56.5	56.5	56.7	56.7	56.8	56.8	56.8	56.9	57.1
≥ 3000	43.6	56.0	57.4	59.0	59.6	59.6	60.6	60.8	60.8	60.9	61.0	61.0	61.1	61.1	61.2	61.3
≥ 2500	46.4	60.7	62.5	64.2	65.1	65.3	66.1	66.3	66.3	66.5	66.5	66.5	66.5	66.6	66.7	66.9
≥ 2000	46.5	61.6	63.8	71.9	72.9	73.1	74.0	74.2	74.2	74.4	74.4	74.4	74.5	74.5	74.6	74.9
≥ 1800	53.3	71.6	74.0	76.2	77.4	77.5	78.5	78.6	78.6	78.8	78.9	78.9	78.9	78.9	79.0	79.2
≥ 1500	57.0	77.2	79.8	82.3	83.5	83.7	84.7	84.9	84.9	85.1	85.1	85.1	85.2	85.2	85.3	85.5
≥ 1200	58.5	80.0	83.7	86.3	87.7	88.0	89.1	89.3	89.3	89.5	89.5	89.5	89.6	89.6	89.7	89.9
≥ 1000	59.2	82.5	85.7	88.5	90.0	90.3	91.4	91.6	91.6	91.8	91.9	91.9	91.9	91.9	92.1	92.2
≥ 900	59.5	83.1	86.3	89.2	90.8	91.1	92.3	92.5	92.5	92.6	92.9	92.9	92.9	92.9	93.0	93.2
≥ 800	59.5	83.3	86.8	89.7	91.4	91.7	93.1	93.3	93.3	93.7	93.7	93.7	93.8	93.8	93.9	94.1
≥ 700	59.6	83.7	87.0	90.0	91.9	92.2	93.5	93.8	93.8	94.1	94.2	94.2	94.3	94.3	94.4	94.6
≥ 600	59.7	83.9	87.2	90.3	92.3	92.6	94.1	94.4	94.4	94.7	94.8	94.8	94.9	94.9	95.0	95.2
≥ 500	59.7	84.0	87.3	90.3	92.7	93.0	94.6	94.9	94.9	95.3	95.3	95.3	95.4	95.4	95.5	95.7
≥ 400	59.7	84.0	87.3	90.3	92.7	93.0	94.8	95.1	95.1	95.6	95.7	95.7	95.9	95.9	96.1	96.3
≥ 300	59.7	84.1	87.4	90.6	92.9	93.1	94.9	95.3	95.3	95.9	96.0	96.0	96.1	96.1	96.4	96.7
≥ 200	59.7	84.2	87.4	90.6	92.9	93.2	95.1	95.6	95.6	96.1	96.2	96.3	96.3	96.3	96.6	97.1
≥ 100	59.7	84.1	87.4	90.6	92.9	93.2	95.1	95.6	95.6	96.1	96.4	96.4	96.5	96.5	97.3	98.1
≥ 0	59.7	84.1	87.4	90.6	92.9	93.2	95.1	95.6	95.6	96.1	96.4	96.4	96.5	96.5	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE [illegible] STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible] HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.2	20.2	20.5	21.0	21.1	21.1	21.1	21.2	21.7	21.3	21.4	21.4	21.5	21.6	21.6	21.6
≥ 20000	21.3	23.2	25.9	26.3	26.6	26.5	26.5	26.7	26.7	26.6	26.5	26.5	27.0	27.1	27.1	27.1
≥ 18000	22.4	26.4	26.5	27.1	27.2	27.2	27.2	27.3	27.4	27.5	27.5	27.5	27.7	27.8	27.8	27.8
≥ 16000	23.4	26.3	26.6	27.2	27.4	27.4	27.4	27.5	27.5	27.6	27.6	27.6	27.8	27.9	27.9	27.9
≥ 14000	23.0	27.0	28.0	28.6	28.7	28.7	28.7	28.9	28.9	29.0	29.1	29.0	29.2	29.3	29.3	29.3
≥ 12000	23.7	29.1	30.0	30.4	30.9	30.9	30.9	31.1	31.1	31.2	31.3	31.3	31.5	31.6	31.6	31.6
≥ 10000	27.1	32.4	32.8	33.5	33.7	33.7	33.9	34.0	34.0	34.2	34.3	34.3	34.5	34.6	34.6	34.6
≥ 9000	27.9	33.9	34.2	35.1	35.3	35.3	35.4	35.5	35.6	35.8	35.9	35.9	36.1	36.1	36.1	36.1
≥ 8000	32.8	40.2	40.7	39.1	40.0	40.0	40.1	40.4	40.4	40.6	40.7	40.6	40.8	40.9	40.9	40.9
≥ 7000	35.1	41.4	41.9	42.3	43.3	43.3	43.4	43.6	43.6	43.8	43.9	43.9	44.1	44.1	44.1	44.1
≥ 6000	36.1	42.0	43.3	44.4	44.7	44.7	44.8	45.0	45.0	45.1	45.1	45.1	45.3	45.5	45.5	45.5
≥ 5000	37.4	44.9	45.6	46.6	47.0	47.0	47.1	47.4	47.4	47.5	47.6	47.6	47.8	47.9	47.9	47.9
≥ 4500	38.8	47.3	48.3	49.4	49.6	49.6	49.9	50.1	50.1	50.3	50.3	50.3	50.5	50.6	50.6	50.6
≥ 4000	41.3	51.0	51.8	52.3	53.3	53.3	53.5	53.7	53.7	53.9	53.9	53.9	54.1	54.2	54.2	54.2
≥ 3500	43.0	54.2	55.1	56.1	57.1	57.1	57.2	57.4	57.4	57.6	57.7	57.7	57.9	57.9	57.9	57.9
≥ 3000	47.1	59.2	60.4	62.2	62.5	62.6	62.7	63.0	63.0	63.1	63.2	63.2	63.4	63.5	63.5	63.5
≥ 2500	51.4	66.0	67.7	69.6	70.2	70.3	70.4	70.7	70.7	70.9	70.9	70.9	71.1	71.2	71.2	71.2
≥ 2000	67.3	75.2	77.3	79.4	80.2	80.4	80.5	80.6	80.8	81.0	81.0	81.0	81.2	81.3	81.3	81.3
≥ 1800	69.0	77.9	80.2	82.3	83.2	83.4	83.6	83.9	83.9	84.0	84.1	84.1	84.3	84.4	84.4	84.4
≥ 1500	82.0	86.1	85.3	87.7	88.9	89.1	89.5	89.7	89.8	89.9	89.9	89.9	90.1	90.2	90.2	90.2
≥ 1200	83.0	89.3	88.0	91.0	92.3	92.7	93.1	93.3	93.3	93.5	93.5	93.5	93.8	93.8	93.8	93.8
≥ 1000	83.4	46.3	89.2	92.2	93.8	94.2	94.6	94.9	94.9	95.1	95.2	95.2	95.4	95.4	95.4	95.4
≥ 900	83.4	90.3	89.3	92.3	94.0	94.4	94.9	95.2	95.2	95.3	95.4	95.4	95.6	95.7	95.7	95.7
≥ 800	83.7	90.6	89.5	92.6	94.6	95.0	95.7	96.1	96.1	96.3	96.3	96.3	96.5	96.6	96.6	96.6
≥ 700	83.9	90.8	89.6	92.7	94.8	95.2	95.9	96.3	96.3	96.5	96.5	96.5	96.8	96.9	96.9	96.9
≥ 600	83.9	90.7	89.6	93.0	95.2	95.6	96.3	96.7	96.7	97.0	97.1	97.1	97.3	97.4	97.4	97.4
≥ 500	83.9	90.7	89.6	93.0	95.4	95.9	96.8	97.2	97.2	97.5	97.7	97.7	97.9	98.0	98.0	98.0
≥ 400	83.9	90.7	89.6	93.0	95.4	95.9	96.8	97.2	97.2	97.5	97.8	97.8	98.1	98.2	98.2	98.2
≥ 300	83.9	90.7	89.6	93.0	95.4	95.9	96.9	97.4	97.4	97.9	98.2	98.2	98.5	98.6	98.6	98.7
≥ 200	83.9	90.7	89.6	93.0	95.4	95.9	96.9	97.4	97.4	97.9	98.2	98.2	98.5	98.6	98.6	98.7
≥ 100	83.9	90.7	89.6	93.0	95.4	95.9	96.9	97.4	97.4	97.9	98.2	98.2	98.5	98.6	98.6	98.7
0	83.9	90.7	89.6	93.0	95.4	95.9	96.9	97.4	97.4	97.9	98.2	98.2	98.5	98.6	98.6	98.7

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244	SEATTLE-TACOMA INTL, WA	49-51		1200-1400
STATION	STATION NAME	YEARS	MONTH	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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.5	70.9	71.4	71.6	71.7	71.7	71.7	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 20000	27.1	30.1	30.5	31.0	31.0	31.1	31.2	31.2	31.2	31.4	31.5	31.5	31.5	31.5	31.5	31.5
≥ 18000	27.5	30.0	31.3	31.7	31.7	31.8	31.9	31.9	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 16000	27.0	31.6	31.7	32.0	32.1	32.1	32.2	32.3	32.3	32.4	32.5	32.5	32.5	32.5	32.5	32.5
≥ 14000	29.3	32.4	32.9	33.3	33.4	33.4	33.5	33.5	33.5	33.7	33.8	33.8	33.8	33.8	33.8	33.8
≥ 12000	30.4	34.0	34.7	35.0	35.1	35.1	35.2	35.3	35.3	35.4	35.5	35.5	35.5	35.5	35.5	35.5
≥ 10000	33.0	37.2	37.3	38.2	38.3	38.4	38.5	38.5	38.5	38.7	38.8	38.8	38.8	38.8	38.8	38.8
≥ 9000	34.5	38.1	39.5	40.0	40.1	40.2	40.3	40.4	40.4	40.6	40.7	40.7	40.7	40.7	40.7	40.7
≥ 8000	37.4	42.1	43.4	44.0	44.1	44.2	44.4	44.5	44.5	44.6	44.7	44.8	44.8	44.8	44.8	44.8
≥ 7000	39.2	46.0	47.1	47.3	47.4	47.5	47.6	47.6	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.0
≥ 6000	41.4	48.0	48.8	49.3	49.6	49.7	49.8	49.9	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2
≥ 5000	42.3	50.3	51.4	52.1	52.2	52.4	52.5	52.5	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4500	45.5	53.9	55.0	55.7	55.8	55.9	56.0	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5
≥ 4000	48.4	57.9	59.2	59.9	60.0	60.1	60.3	60.4	60.4	60.5	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3500	52.3	62.6	63.9	64.7	64.9	65.0	65.1	65.2	65.2	65.4	65.5	65.5	65.6	65.6	65.6	65.6
≥ 3000	58.4	70.6	72.1	73.0	73.2	73.3	73.4	73.6	73.6	73.7	73.9	73.9	73.9	73.9	73.9	73.9
≥ 2500	63.5	77.8	79.9	81.1	81.5	81.6	81.7	81.9	81.9	82.1	82.2	82.2	82.3	82.3	82.3	82.3
≥ 2000	70.2	84.3	86.1	88.2	88.9	89.0	89.2	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	79.2	90.3	90.5	90.8	90.7	90.8	91.0	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	79.8	89.4	91.7	92.3	92.3	92.4	92.5	92.6	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	79.9	90.3	93.1	95.4	96.3	96.4	96.7	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.2	97.2
≥ 1000	79.9	90.0	93.5	96.1	97.0	97.2	97.5	97.7	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2
≥ 900	79.9	90.1	93.7	96.3	97.2	97.5	97.8	97.9	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.4
≥ 800	79.9	90.1	93.7	96.3	97.5	97.8	98.1	98.3	98.3	98.6	98.7	98.8	98.8	98.8	98.8	98.8
≥ 700	79.9	90.1	93.9	96.5	97.8	98.0	98.5	98.7	98.7	99.1	99.2	99.3	99.4	99.4	99.4	99.4
≥ 600	79.9	90.5	94.0	96.9	97.8	98.2	98.6	98.8	98.8	99.3	99.4	99.5	99.6	99.6	99.6	99.6
≥ 500	79.9	90.6	94.0	96.9	97.9	98.2	98.7	98.9	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	79.9	90.6	94.0	96.9	97.9	98.2	98.7	98.9	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	79.9	90.8	94.0	96.9	97.9	98.2	98.7	98.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9
≥ 200	79.9	90.8	94.0	96.9	97.9	98.2	98.7	98.9	98.9	99.3	99.7	99.8	100.0	100.0	100.0	100.0
≥ 100	79.9	90.8	94.0	96.9	97.9	98.2	98.7	98.9	98.9	99.3	99.7	99.8	100.0	100.0	100.0	100.0
0	79.9	90.8	94.0	96.9	97.9	98.2	98.7	98.9	98.9	99.3	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE STATION NAME | 19-- YEARS | --- MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(0000-2300) HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
AVN 18000																
AVN 16000																
AVN 14000																
AVN 12000																
AVN 10000																
AVN 9000																
AVN 8000																
AVN 7000																
AVN 6000																
AVN 5000																
AVN 4500																
AVN 4000																
AVN 3500																
AVN 3000																
AVN 2500																
AVN 2000																
AVN 1800																
AVN 1500																
AVN 1200																
AVN 1000																
AVN 900																
AVN 800																
AVN 700																
AVN 600																
AVN 500																
AVN 400																
AVN 300																
AVN 200																
AVN 100																
AVN 0																

TOTAL NUMBER OF OBSERVATIONS ---

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE [illegible] STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2000 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.3	30.0	30.3	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.3	31.3	31.3	31.3	31.3
≥ 20000	33.4	34.0	34.3	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.6	34.6	34.7	34.7	34.7
≥ 18000	29.8	33.1	33.4	33.6	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0
≥ 16000	30.0	33.3	33.6	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3
≥ 14000	31.0	34.0	34.4	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5
≥ 12000	33.3	37.2	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6
≥ 10000	38.8	41.6	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4
≥ 9000	39.3	43.0	43.3	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3
≥ 8000	42.0	47.0	48.2	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9
≥ 7000	48.8	51.4	51.9	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6
≥ 6000	47.4	53.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
≥ 5000	50.2	57.2	57.8	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4500	52.8	60.4	61.7	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4000	56.1	65.4	66.4	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
≥ 3500	66.3	71.0	72.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.3	74.3	74.3	74.3
≥ 3000	69.1	77.3	78.9	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.6	80.6	80.6	80.6
≥ 2500	85.4	92.1	94.3	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	91.1	97.1	99.6	91.1	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	93.8	94.5	91.5	93.3	93.8	93.9	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1500	97.5	98.3	93.4	95.3	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	89.5	92.1	94.3	96.6	96.8	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	89.9	92.1	95.0	97.3	98.0	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	89.9	92.1	95.0	97.3	98.1	98.2	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	89.9	92.8	95.1	97.4	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6
≥ 700	89.9	92.9	95.2	97.4	98.2	98.3	98.3	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	89.9	93.0	95.3	97.6	98.6	98.6	98.7	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	89.9	93.2	95.5	97.6	98.7	98.8	99.0	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	89.9	93.2	95.5	97.8	98.7	98.8	99.0	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5
≥ 300	89.9	93.2	95.5	97.8	98.8	98.9	99.1	99.4	99.4	99.5	99.7	99.7	99.9	99.9	99.9	99.9
≥ 200	89.9	93.2	95.5	97.8	98.8	98.9	99.1	99.4	99.4	99.5	99.7	99.7	99.9	99.9	99.9	99.9
≥ 100	89.9	93.2	95.5	97.8	98.8	98.9	99.1	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0
0	89.9	93.2	95.5	97.8	98.8	98.9	99.1	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INT'L STATION NAME | 60-66 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.4	51.3	51.6	51.7	52.0	52.0	52.1	52.1	52.1	52.2	52.4	52.4	52.3	52.3	52.3	52.3
≥ 20000	28.1	33.0	33.2	33.4	33.7	33.7	33.8	33.9	33.9	34.0	34.2	34.3	34.0	34.0	34.0	34.0
≥ 18000	29.9	34.2	34.5	34.9	35.2	35.1	35.2	35.2	35.2	35.3	35.4	35.4	35.4	35.4	35.4	35.4
≥ 16000	29.2	34.0	34.3	34.8	35.1	35.0	35.1	35.1	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3
≥ 14000	29.8	33.4	33.8	34.1	34.3	34.3	34.4	34.4	34.4	34.5	34.6	34.6	34.6	34.6	34.6	34.6
≥ 12000	29.7	33.1	33.5	33.8	34.0	34.0	34.1	34.1	34.1	34.2	34.3	34.3	34.3	34.3	34.3	34.3
≥ 10000	33.5	39.1	40.4	40.7	41.0	41.0	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 9000	34.5	40.2	41.5	41.9	42.2	42.2	42.3	42.4	42.3	42.3	42.5	42.5	42.5	42.4	42.4	42.4
≥ 8000	37.8	43.0	45.7	46.0	46.3	46.3	46.4	46.5	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 7000	41.0	46.2	50.0	50.3	50.6	50.4	50.7	50.7	50.7	50.8	50.8	50.7	50.7	50.7	50.9	50.9
≥ 6000	43.2	51.9	52.6	53.1	53.5	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 5000	45.1	55.0	56.9	57.0	57.4	57.4	57.5	57.5	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	48.2	59.2	60.1	60.7	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	50.9	64.1	65.3	65.7	66.1	66.1	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 3500	54.0	57.0	70.0	70.9	71.4	71.4	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	57.1	74.0	75.3	76.1	76.7	76.7	76.8	76.8	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2500	60.4	79.5	80.9	81.7	82.4	82.4	82.5	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	63.4	83.1	87.2	88.1	88.8	88.8	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1800	65.4	86.2	89.8	90.7	91.4	91.4	91.5	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500	66.3	87.1	92.8	93.8	94.6	94.6	94.7	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	67.9	89.6	94.1	95.8	96.6	96.6	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	67.9	89.6	95.3	96.7	97.6	97.6	97.7	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	67.9	94.1	95.9	97.2	98.0	98.0	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	67.9	94.1	96.0	97.2	98.2	98.2	98.3	98.3	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	67.9	94.4	96.3	97.5	98.6	98.6	98.7	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	67.9	94.4	96.3	97.6	98.7	98.7	98.9	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	67.9	94.4	96.3	97.6	98.8	98.8	99.1	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	67.9	94.4	96.3	97.6	98.8	98.8	99.1	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 300	67.9	94.4	96.3	97.6	98.8	98.9	99.3	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 200	67.9	94.4	96.4	97.6	98.9	99.0	99.3	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0
≥ 100	67.9	94.4	96.4	97.6	98.9	99.0	99.3	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0
0	67.9	94.4	96.4	97.6	98.9	99.0	99.3	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC/USAF
SHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24284 SEATTLE WASHINGTON TSC [illegible] APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.1	36.1	37.2	37.7	38.0	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.3
≥ 20000	38.4	41.1	41.1	42.1	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.7
≥ 18000	38.5	41.1	41.7	42.1	42.4	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	38.5	41.1	41.7	42.1	42.4	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	38.7	41.1	42.2	42.7	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.3
≥ 12000	38.3	41.0	44.2	44.8	44.9	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	38.3	46.3	46.8	47.3	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.9
≥ 9000	39.4	48.0	48.5	49.0	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6
≥ 8000	42.6	51.1	52.3	52.7	53.0	53.2	53.3	53.3	53.3	53.3	53.4	53.3	53.3	53.3	53.3	53.3
≥ 7000	46.0	55.1	55.7	56.2	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8
≥ 6000	47.0	56.4	57.0	57.6	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2
≥ 5000	49.5	59.9	60.7	61.3	61.6	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1
≥ 4500	50.9	61.0	62.7	63.6	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
≥ 4000	52.7	64.3	65.4	66.3	66.5	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9
≥ 3500	55.6	66.3	69.5	70.4	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1
≥ 3000	56.1	73.3	74.5	75.5	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.3
≥ 2500	81.8	78.0	80.0	80.9	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7
≥ 2000	83.4	84.0	86.1	87.1	87.6	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0
≥ 1800	86.9	87.1	88.6	89.7	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6
≥ 1500	89.2	90.1	92.4	93.3	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9
≥ 1200	90.1	92.3	94.2	95.7	96.3	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.9
≥ 1000	90.6	93.6	95.7	97.3	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.5
≥ 900	90.9	93.9	96.0	97.6	98.3	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
≥ 800	90.8	94.4	96.3	97.9	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 700	90.8	94.3	96.4	98.0	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5
≥ 600	90.8	94.4	96.5	98.2	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 500	90.8	94.4	96.5	98.2	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 400	90.8	94.5	96.6	98.2	99.0	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 300	90.8	94.5	96.7	98.3	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 200	90.8	94.5	96.7	98.3	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 100	90.8	94.5	96.7	98.3	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 0	90.8	94.5	96.7	98.3	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 180

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON ARPT STATION NAME | [illegible] YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0700-0800 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.3	27.6	28.6	29.2	29.6	29.8	30.1	30.1	30.1	30.3	30.4	30.5	30.4	30.4	30.4	30.5
≥ 20000	24.4	32.3	33.2	33.9	34.3	34.5	34.8	34.8	34.8	35.0	35.1	35.2	35.1	35.1	35.1	35.2
≥ 18000	24.4	32.3	33.3	34.2	34.7	34.8	35.1	35.2	35.2	35.4	35.4	35.4	35.4	35.4	35.5	35.6
≥ 16000	24.5	32.6	33.4	34.3	34.8	34.9	35.2	35.2	35.2	35.4	35.4	35.4	35.5	35.5	35.5	35.7
≥ 14000	25.0	33.7	34.5	35.3	36.0	36.1	36.4	36.5	36.5	36.7	36.7	36.7	36.7	36.7	36.8	36.9
≥ 12000	26.4	35.4	36.2	37.2	37.7	37.8	38.1	38.2	38.2	38.3	38.3	38.4	38.4	38.4	38.5	38.6
≥ 10000	28.5	37.9	38.8	39.9	40.5	40.6	40.9	41.0	41.0	41.1	41.1	41.1	41.2	41.2	41.3	41.4
≥ 9000	29.2	39.3	40.2	41.4	42.0	42.1	42.4	42.4	42.4	42.6	42.6	42.6	42.7	42.7	42.7	42.9
≥ 8000	32.4	43.4	44.3	45.5	46.1	46.2	46.5	46.5	46.5	46.7	46.7	46.7	46.8	46.8	46.8	47.0
≥ 7000	35.3	47.0	48.0	49.2	49.8	49.9	50.2	50.2	50.2	50.4	50.4	50.4	50.5	50.5	50.5	50.7
≥ 6000	36.3	48.1	49.1	50.3	50.9	51.0	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7	51.8
≥ 5000	37.9	50.3	51.4	52.6	53.2	53.3	53.6	53.7	53.7	53.9	53.9	53.9	53.9	53.9	54.0	54.1
≥ 4500	40.0	53.2	54.3	55.5	56.1	56.2	56.5	56.5	56.5	56.7	56.7	56.7	56.8	56.8	56.9	57.0
≥ 4000	41.8	56.2	57.4	58.6	59.2	59.3	59.6	59.7	59.7	59.9	59.9	59.9	59.9	59.9	60.0	60.1
≥ 3500	43.5	59.2	60.9	62.1	62.7	62.9	63.2	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.5	63.6
≥ 3000	45.7	64.0	65.5	66.8	67.4	67.6	67.9	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.3	68.4
≥ 2500	50.0	69.2	71.3	72.7	73.4	73.5	73.9	73.9	73.9	74.1	74.1	74.1	74.2	74.2	74.2	74.3
≥ 2000	54.4	76.4	78.3	79.8	80.4	80.5	80.9	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.3	81.4
≥ 1800	57.1	80.2	82.2	83.7	84.4	84.5	84.9	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.3	85.4
≥ 1500	60.5	85.0	87.2	88.8	89.5	89.6	90.0	90.1	90.1	90.2	90.2	90.2	90.3	90.3	90.4	90.5
≥ 1200	62.3	87.9	90.4	92.1	92.9	93.0	93.4	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.8	93.9
≥ 1000	62.7	89.6	92.2	94.0	94.8	94.9	95.4	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.8
≥ 900	62.9	89.9	92.6	94.3	95.1	95.3	95.9	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.3	96.4
≥ 800	62.9	90.2	93.0	95.0	95.8	96.0	96.4	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.8
≥ 700	63.0	90.7	93.6	95.5	96.5	96.7	97.1	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.5
≥ 600	63.1	91.1	94.0	96.0	97.0	97.1	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	98.0	98.1
≥ 500	63.1	91.2	94.3	96.4	97.6	97.7	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.6	98.7
≥ 400	63.1	91.3	94.5	96.5	97.7	97.9	98.3	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.8	98.9
≥ 300	63.2	91.4	94.5	96.6	97.9	98.0	98.5	98.6	98.6	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 200	63.2	91.4	94.6	96.7	98.0	98.2	98.6	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.2	99.3
≥ 100	63.2	91.4	94.6	96.7	98.0	98.2	98.7	98.8	98.8	99.0	99.0	99.0	99.3	99.3	99.4	99.6
≥ 0	63.2	91.4	94.6	96.7	98.0	98.2	98.7	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 49-50 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.0	20.0	21.0	22.0	22.5	22.7	22.7	22.7	22.7	23.0	23.0	23.0	23.2	23.3	23.3	23.3
≥ 20000	20.2	25.6	26.8	28.1	28.7	28.9	28.9	28.9	28.9	29.2	29.2	29.2	29.4	29.5	29.5	29.5
≥ 18000	20.4	25.8	27.0	28.3	28.9	29.1	29.1	29.2	29.2	29.4	29.4	29.4	29.6	29.7	29.7	29.8
≥ 16000	20.7	26.2	27.5	28.8	29.4	29.6	29.6	29.6	29.6	29.9	29.9	29.9	30.1	30.2	30.2	30.2
≥ 14000	21.2	26.1	26.0	29.3	29.9	30.1	30.1	30.1	30.1	30.4	30.4	30.4	30.6	30.7	30.7	30.7
≥ 12000	22.7	28.6	29.6	31.0	31.5	31.7	31.7	31.8	31.8	32.0	32.0	32.0	32.3	32.3	32.4	32.4
≥ 10000	24.9	31.1	32.6	33.9	34.5	34.6	34.6	34.7	34.7	34.9	34.9	34.9	35.2	35.2	35.2	35.3
≥ 9000	25.9	32.3	33.8	35.1	35.8	36.0	36.0	36.0	36.0	36.3	36.3	36.3	36.5	36.5	36.5	36.6
≥ 8000	29.9	36.9	38.6	39.9	40.7	40.9	40.9	41.0	41.0	41.2	41.2	41.2	41.4	41.5	41.5	41.5
≥ 7000	31.4	38.9	41.7	43.1	43.9	44.0	44.0	44.1	44.1	44.3	44.4	44.4	44.7	44.8	44.8	44.8
≥ 6000	33.1	42.1	43.9	45.4	46.2	46.4	46.4	46.4	46.4	46.7	46.7	46.7	47.0	47.1	47.1	47.1
≥ 5000	35.8	45.4	47.3	48.8	49.6	49.8	49.8	49.8	49.8	50.1	50.1	50.1	50.4	50.5	50.5	50.5
≥ 4500	37.1	48.0	49.8	51.4	52.1	52.3	52.3	52.4	52.4	52.6	52.7	52.7	53.0	53.0	53.0	53.1
≥ 4000	39.2	50.5	52.5	54.1	54.9	55.1	55.1	55.1	55.1	55.4	55.4	55.4	55.7	55.8	55.8	55.8
≥ 3500	41.6	52.9	55.0	56.6	57.4	57.6	57.6	57.6	57.6	57.9	57.9	57.9	58.2	58.3	58.3	58.3
≥ 3000	44.2	57.9	60.3	62.0	62.9	63.1	63.2	63.3	63.3	63.5	63.6	63.6	63.9	64.0	64.0	64.0
≥ 2500	48.8	63.3	66.1	67.9	69.0	69.2	69.3	69.5	69.5	69.7	69.8	69.8	70.1	70.1	70.1	70.2
≥ 2000	54.2	71.3	74.3	76.1	77.4	77.6	77.7	77.9	77.9	78.1	78.2	78.2	78.5	78.5	78.5	78.6
≥ 1800	56.1	74.8	77.9	80.0	81.3	81.5	81.6	81.7	81.7	82.0	82.0	82.0	82.3	82.4	82.4	82.4
≥ 1500	60.2	80.2	83.5	85.7	86.9	87.1	87.3	87.4	87.4	87.7	87.7	87.7	88.1	88.2	88.2	88.2
≥ 1200	62.1	83.1	86.5	89.0	90.2	90.5	90.6	90.7	90.7	91.0	91.1	91.1	91.4	91.5	91.5	91.5
≥ 1000	62.9	84.9	88.5	91.4	92.6	92.8	92.9	93.0	93.0	93.4	93.5	93.5	93.8	93.9	93.9	93.9
≥ 900	63.0	85.2	88.9	91.7	93.1	93.3	93.6	93.7	93.7	94.0	94.1	94.1	94.5	94.5	94.5	94.6
≥ 800	63.1	85.7	89.6	92.6	94.0	94.3	94.6	94.8	94.8	95.1	95.2	95.2	95.5	95.6	95.6	95.7
≥ 700	63.1	86.0	90.0	93.0	94.6	94.9	95.4	95.5	95.5	95.8	95.9	95.9	96.3	96.3	96.3	96.4
≥ 600	63.1	86.1	90.2	93.3	95.0	95.4	95.8	96.0	96.0	96.3	96.4	96.4	96.7	96.8	96.8	96.9
≥ 500	63.1	86.1	90.4	93.5	95.4	95.8	96.3	96.5	96.5	96.9	97.0	97.0	97.3	97.4	97.4	97.4
≥ 400	63.1	86.1	90.4	93.6	95.5	96.0	96.8	97.1	97.1	97.4	97.5	97.5	97.9	97.9	97.9	98.0
≥ 300	63.1	86.1	90.4	93.6	95.6	96.1	96.8	97.2	97.2	97.6	97.6	97.6	98.0	98.0	98.0	98.1
≥ 200	63.1	86.2	90.5	93.7	95.8	96.3	97.1	97.5	97.5	97.9	98.0	98.0	98.4	98.4	98.4	98.5
≥ 100	63.1	86.2	90.5	93.7	95.8	96.3	97.1	97.5	97.5	98.0	98.1	98.1	98.7	98.8	99.0	99.4
0	63.1	86.2	90.5	93.7	95.8	96.3	97.1	97.5	97.5	98.0	98.2	98.2	98.6	98.9	99.2	100.1

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INTL STATION NAME | 49-60 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥5/16	≥¼	≥0
NO CEILING	21.5	25.1	26.0	26.3	26.5	26.5	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 20000	27.4	32.1	33.0	33.4	33.6	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.7	33.9
≥ 18000	27.6	32.4	33.4	33.9	34.1	34.1	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 16000	27.9	32.7	33.6	34.1	34.3	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 14000	28.2	33.3	34.2	34.7	35.0	35.0	35.1	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 12000	28.3	33.3	34.4	35.0	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.5	35.5
≥ 10000	31.8	37.7	38.9	39.5	39.8	39.8	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.1	40.1	40.1
≥ 9000	32.9	38.2	40.5	41.1	41.4	41.4	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.7	41.7	41.7
≥ 8000	35.4	42.5	43.9	44.5	44.8	44.8	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.1	45.1	45.1
≥ 7000	36.0	44.0	45.5	46.2	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.9
≥ 6000	37.9	45.5	47.0	47.7	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 5000	39.1	48.1	50.2	50.9	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5
≥ 4500	41.1	51.1	52.6	53.3	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0
≥ 4000	44.6	54.0	56.4	57.0	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3500	47.4	58.5	60.4	61.1	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 3000	52.6	65.4	67.6	68.3	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.2	69.2	69.2
≥ 2500	59.1	74.3	76.5	77.4	78.0	78.0	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.5	78.5	78.5
≥ 2000	64.8	82.6	85.1	86.2	86.8	86.9	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	66.0	85.0	87.9	89.1	89.7	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	68.5	89.3	91.6	93.0	93.6	93.6	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2
≥ 1200	69.7	91.2	94.0	95.7	96.4	96.6	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	69.9	91.8	94.9	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 900	69.9	91.8	95.0	96.8	97.8	98.0	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	69.9	92.1	95.4	97.3	98.3	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	69.9	92.1	95.4	97.4	98.4	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 600	69.9	92.1	95.4	97.5	98.5	98.9	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 500	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

DATA PROCESSING DIVISION
USAF, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24233 SEATTLE WASHINGTON INTL — 49-53 — APR
STATION — STATION NAME — YEARS — 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.1	29.3	29.6	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 20000	34.8	38.9	39.2	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 18000	35.1	39.3	39.6	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
≥ 16000	35.3	39.5	39.8	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
≥ 14000	36.2	40.5	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 12000	38.3	43.2	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 10000	41.0	46.0	46.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 9000	42.3	47.4	48.0	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 8000	45.1	50.7	51.3	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
≥ 7000	48.0	54.0	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	49.2	56.0	56.8	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 5000	52.1	59.0	60.4	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 4500	55.1	63.0	64.2	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 4000	59.7	66.4	69.5	70.2	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	63.9	73.4	74.8	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3000	68.1	78.9	80.4	81.1	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	72.8	85.3	87.0	87.9	87.9	88.0	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	75.8	90.2	92.4	93.5	93.6	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	76.6	91.6	93.6	95.0	95.2	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	77.1	93.0	96.0	97.5	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	77.9	94.2	96.5	98.2	98.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	77.9	94.5	97.0	98.7	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	77.9	94.5	97.0	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	77.9	94.6	97.1	98.8	99.2	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	77.9	94.6	97.1	99.0	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 10

USAF ETAC FORM JUL 64 0-14-5 (OL 1) *PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

3246 | [illegible] | [illegible] | [illegible]
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-1700
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.4	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 20000	41.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000	41.2	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	43.3
≥ 16000	41.2	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	43.3
≥ 14000	42.3	44.5	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
≥ 12000	44.0	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 10000	45.0	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
≥ 9000	47.9	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 8000	51.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 7000	54.5	59.5	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	59.6
≥ 6000	56.7	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 5000	60.5	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4500	63.9	69.3	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4000	67.3	73.8	74.4	74.5	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	71.0	79.5	80.5	80.7	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	74.8	84.3	85.5	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	78.0	89.2	90.5	90.9	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	80.3	93.4	94.8	95.2	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	81.1	94.3	96.1	96.7	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	81.4	95.3	97.2	97.7	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	81.5	96.0	97.7	98.3	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	81.8	96.3	98.3	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	81.9	96.6	98.5	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	81.8	96.6	98.5	99.0	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	81.8	96.6	98.5	99.0	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	81.8	96.6	98.5	99.0	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	81.8	96.6	98.5	99.0	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	81.8	96.6	98.5	99.0	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	81.8	96.6	98.5	99.0	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	81.8	96.6	98.5	99.0	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	81.8	96.6	98.5	99.0	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	81.8	96.6	98.5	99.0	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 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON STATION NAME | 49-52 YEARS | FEB MONTH

1 200-2000 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	30.2	32.4	32.7	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000	38.9	41.3	41.5	41.5	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 18000	39.5	41.8	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 16000	38.9	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 14000	40.1	42.1	44.0	44.0	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	42.5	45.6	46.1	46.1	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	45.1	49.2	49.5	49.5	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 9000	46.1	50.2	50.3	50.3	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000	50.2	54.3	54.6	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	53.3	58.5	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 6000	54.9	60.6	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 5000	58.8	65.1	66.1	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 4500	61.3	69.0	70.1	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 4000	64.5	74.2	74.8	74.9	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	67.4	78.7	79.4	79.6	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	71.1	83.2	84.9	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2500	73.9	88.4	89.5	89.6	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000	75.8	92.9	94.3	94.5	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	76.1	93.9	95.3	95.7	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	76.1	93.9	96.8	97.4	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	77.0	96.1	97.6	98.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	77.0	96.2	97.9	98.6	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	77.0	96.3	97.9	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	77.0	96.3	97.9	98.7	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	77.0	96.3	97.9	98.7	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	77.0	96.3	97.9	98.7	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	77.0	96.3	98.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	77.0	96.3	98.0	98.8	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	77.0	96.3	98.0	98.8	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	77.0	96.3	98.0	98.8	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
≥ 100	77.0	96.3	98.0	98.8	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	77.0	96.3	98.0	98.8	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE [illegible] STATION NAME | 1948 YEARS | [illegible] 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.9	47.3	37.7	37.9	38.1	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000	42.1	42.4	42.6	43.0	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 18000	42.4	42.6	42.9	43.1	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 16000	42.1	42.7	43.0	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 14000	44.0	43.5	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 12000	41.5	46.1	46.5	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 10000	44.8	49.7	50.1	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 9000	45.7	50.7	51.1	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 8000	47.9	53.3	53.7	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
≥ 7000	53.3	58.4	59.1	59.3	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 6000	54.9	60.1	61.1	61.5	61.8	61.8	61.8	61.9	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 5000	57.4	64.8	65.6	65.8	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4500	59.9	68.2	68.8	69.2	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	62.1	71.1	71.8	72.4	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	64.1	75.2	76.1	76.6	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	65.0	80.2	81.1	81.7	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	71.1	85.5	86.5	87.0	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	74.5	90.0	91.0	92.4	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	75.4	92.1	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	76.7	94.9	96.2	96.8	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	77.0	95.9	97.3	97.9	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	77.2	96.5	97.9	98.6	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	77.2	96.5	98.0	98.6	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	77.2	96.7	98.1	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	77.2	96.7	98.1	98.8	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	77.2	96.7	98.2	98.9	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	77.2	96.7	98.2	98.9	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	77.2	96.7	98.2	98.9	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	77.2	96.7	98.2	98.9	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	77.2	96.7	98.2	98.9	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	77.2	96.7	98.2	98.9	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	77.2	96.7	98.2	98.9	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON FAC STATION NAME | combined 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	25.7	29.0	30.4	30.7	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.2
≥ 20000	22.4	37.1	37.7	38.1	38.3	38.4	38.5	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 18000	32.5	37.3	37.9	38.3	38.5	38.6	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.9	38.9	38.9
≥ 16000	32.1	37.3	38.1	38.3	38.7	38.8	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 14000	33.4	38.4	39.0	39.3	39.7	39.8	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0	40.0
≥ 12000	35.2	40.5	41.2	41.6	41.8	41.9	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.2	42.2
≥ 10000	37.1	43.4	44.1	44.5	44.9	44.9	45.0	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.2	45.2
≥ 9000	38.3	44.6	45.3	46.1	46.3	46.4	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 8000	42.1	48.8	49.5	50.0	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.6
≥ 7000	44.8	52.2	53.0	53.6	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.2	54.2
≥ 6000	46.2	53.9	54.7	55.4	55.7	55.7	55.8	55.8	55.8	55.9	55.9	55.9	55.9	56.0	56.0	56.0
≥ 5000	48.0	57.5	58.4	59.1	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7
≥ 4500	51.3	60.5	61.5	62.2	62.5	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9
≥ 4000	54.0	64.2	65.3	66.0	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7
≥ 3500	59.9	68.3	69.6	70.3	70.7	70.8	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.1	71.1	71.1
≥ 3000	60.1	73.5	75.0	75.8	76.2	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6
≥ 2500	64.4	79.3	80.9	81.8	82.3	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.8
≥ 2000	68.1	83.5	87.1	88.1	88.7	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1
≥ 1800	69.0	87.2	89.4	90.5	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5
≥ 1500	71.4	90.6	92.6	93.8	94.3	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	95.0	95.0	95.0
≥ 1200	72.4	92.1	94.3	95.6	96.3	96.5	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9
≥ 1000	72.5	92.9	95.3	96.7	97.5	97.6	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.1
≥ 900	72.5	93.1	95.5	97.0	97.8	97.9	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.4
≥ 800	72.6	93.3	95.7	97.3	98.1	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.8
≥ 700	72.6	93.4	95.9	97.4	98.3	98.5	98.7	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.1
≥ 600	72.6	93.5	96.0	97.6	98.5	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.3
≥ 500	72.9	93.5	96.1	97.7	98.6	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.5
≥ 400	72.9	93.5	96.1	97.7	98.7	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.6
≥ 300	72.9	93.5	96.1	97.7	98.7	98.9	99.3	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7
≥ 200	72.9	93.5	96.1	97.8	98.7	98.9	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.8
≥ 100	72.9	93.5	96.1	97.8	98.8	99.0	99.3	99.5	99.5	99.6	99.7	99.6	99.7	99.7	99.8	99.9
0	72.9	93.5	96.1	97.8	98.8	99.0	99.3	99.5	99.5	99.6	99.7	99.8	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1341

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | [illegible] STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	> 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	40.2	43.0	43.0	43.0	43.9	43.9	43.7	43.9	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9
	43.4	47.2	47.3	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
≥ 18000 ≥ 16000	43.4	47.2	47.3	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
	43.1	47.0	47.1	47.1	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 ≥ 12000	44.9	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
	45.9	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 10000 ≥ 9000	48.4	52.6	52.4	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	49.2	54.3	54.3	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
≥ 8000 ≥ 7000	53.6	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
	56.0	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 6000 ≥ 5000	58.0	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
	61.9	68.4	68.5	68.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500 ≥ 4000	63.0	71.1	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
	65.8	74.8	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500 ≥ 3000	67.8	76.1	76.5	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
	70.9	82.4	82.8	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
≥ 2500 ≥ 2000	73.4	85.9	86.3	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
	75.0	90.0	90.6	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
≥ 1800 ≥ 1500	77.5	92.4	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
	79.0	95.0	95.5	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
≥ 1200 ≥ 1000	79.6	96.1	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	80.0	97.1	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
≥ 900 ≥ 800	80.0	97.8	98.5	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
	80.0	97.9	98.9	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
≥ 700 ≥ 600	80.0	97.9	98.9	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
	80.0	97.9	98.9	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 ≥ 400	80.0	97.9	98.9	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
	80.0	97.9	98.9	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 ≥ 200	80.0	97.9	98.9	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
	80.0	97.9	98.9	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	80.0	97.9	98.9	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
	80.0	97.9	98.9	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 7

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible] HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.7	33.4	33.8	34.2	34.5	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.8
≥ 20000	31.8	37.1	37.6	38.0	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.6	38.6	38.6	38.7
≥ 18000	31.9	37.1	37.6	38.0	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.6	38.6	38.6	38.7
≥ 16000	32.1	37.4	38.0	38.3	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.9	38.9	38.9	[illegible]
≥ 14000	32.8	38.3	38.9	39.2	39.6	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.9	39.9	39.9	39.9
≥ 12000	34.5	40.1	40.7	41.1	41.5	41.5	41.5	41.5	41.5	41.6	41.6	41.6	41.7	41.7	41.7	41.8
≥ 10000	37.0	42.9	43.5	43.9	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.6
≥ 9000	37.5	44.1	44.7	45.0	45.4	45.4	45.4	45.5	45.5	45.6	45.6	45.6	45.7	45.7	45.7	45.7
≥ 8000	40.5	47.5	48.2	48.5	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.2
≥ 7000	42.3	49.5	50.2	50.6	51.0	51.0	51.0	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.3	51.3
≥ 6000	44.9	51.8	52.5	53.1	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.8
≥ 5000	46.4	54.1	55.4	56.0	56.4	56.4	56.4	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7
≥ 4500	48.7	57.1	57.9	58.5	58.9	58.9	58.9	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.2	59.3
≥ 4000	50.6	60.1	60.8	61.5	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.2	62.2	62.2	62.2
≥ 3500	53.2	63.2	64.2	64.9	65.3	65.3	65.3	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.7
≥ 3000	56.7	66.2	69.3	70.0	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.8
≥ 2500	69.9	74.9	74.1	74.8	75.4	75.4	75.4	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7
≥ 2000	75.1	79.1	80.4	81.2	81.8	81.8	81.8	81.9	81.9	82.0	82.0	82.0	82.1	82.1	82.1	82.1
≥ 1800	77.0	81.0	82.9	83.8	84.4	84.4	84.4	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7
≥ 1500	79.1	83.9	88.4	89.4	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.3
≥ 1200	72.8	90.4	92.2	93.4	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.3
≥ 1000	73.7	92.4	94.3	95.5	96.1	96.1	96.1	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.5
≥ 900	73.8	93.3	95.4	96.7	97.4	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.8	97.8	97.8	97.9
≥ 800	73.8	93.3	95.7	97.2	97.9	97.9	97.9	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.4
≥ 700	73.9	93.7	96.0	97.5	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
≥ 600	73.9	93.7	96.1	97.7	98.6	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2
≥ 500	74.0	93.8	96.1	97.8	98.7	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.5
≥ 400	74.0	93.8	96.2	97.9	98.8	98.9	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.6
≥ 300	74.0	93.8	96.2	97.9	98.8	98.9	99.0	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.6
≥ 200	74.0	93.8	96.3	98.1	99.1	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7
≥ 100	74.0	93.8	96.3	98.1	99.1	99.1	99.3	99.4	99.5	99.6	99.7	99.7	99.9	99.9	99.9	[illegible]
0	74.0	93.8	96.3	98.1	99.1	99.1	99.3	99.4	99.5	99.6	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 175

USAF ETAC FORM JUL 61 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

29244 STATION | SEATTLE [illegible] STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.7	28.2	29.6	29.6	29.7	29.7	29.9	30.0	30.0	30.0	30.0	30.1	30.1	30.1	30.2	30.2
≥ 20000	32.2	33.3	34.3	35.0	35.3	35.3	35.5	35.8	35.8	35.8	35.7	35.7	35.8	35.8	35.8	35.8
≥ 18000	27.1	33.2	34.6	35.2	35.5	35.5	35.7	35.8	35.8	35.8	35.9	35.9	36.0	36.0	36.1	36.1
≥ 16000	30.0	33.3	34.9	35.5	35.8	35.8	36.1	36.1	36.1	36.2	36.2	36.3	36.3	36.3	36.4	36.4
≥ 14000	30.8	34.1	35.8	36.4	36.7	36.7	36.9	37.0	37.0	37.0	37.1	37.2	37.2	37.2	37.3	37.3
≥ 12000	32.3	36.2	37.7	38.3	38.6	38.6	38.8	38.9	38.9	38.9	39.0	39.1	39.1	39.1	39.2	39.2
≥ 10000	34.1	38.9	40.1	40.8	41.1	41.1	41.3	41.4	41.4	41.4	41.5	41.5	41.6	41.6	41.6	41.6
≥ 9000	34.8	39.9	41.1	41.7	42.0	42.0	42.2	42.3	42.3	42.3	42.4	42.5	42.5	42.5	42.6	42.6
≥ 8000	39.7	44.4	45.6	46.2	46.5	46.5	46.7	46.8	46.8	46.8	46.9	46.9	47.0	47.0	47.1	47.1
≥ 7000	41.4	47.0	48.3	49.0	49.3	49.3	49.5	49.5	49.5	49.6	49.7	49.7	49.8	49.8	49.8	49.8
≥ 6000	41.6	46.4	49.7	50.5	50.7	50.7	51.0	51.0	51.0	51.1	51.2	51.2	51.3	51.3	51.3	51.3
≥ 5000	43.3	50.6	52.0	52.7	53.0	53.0	53.2	53.3	53.3	53.3	53.4	53.5	53.5	53.5	53.6	53.6
≥ 4500	45.4	52.6	54.3	55.2	55.5	55.5	55.7	55.8	55.8	55.8	55.9	55.9	56.0	56.0	56.0	56.0
≥ 4000	47.1	55.0	56.9	57.6	57.7	57.7	57.9	57.9	57.9	58.0	58.1	58.1	58.2	58.2	58.2	58.2
≥ 3500	49.1	57.3	59.0	60.0	60.3	60.3	60.5	60.6	60.6	60.7	60.7	60.8	60.8	60.9	60.9	60.9
≥ 3000	52.3	61.3	63.0	64.1	64.3	64.4	64.6	64.7	64.7	64.7	64.8	64.9	64.9	65.0	65.0	65.0
≥ 2500	56.2	66.0	67.7	68.8	69.1	69.2	69.4	69.5	69.5	69.5	69.6	69.7	69.7	69.8	69.8	69.8
≥ 2000	71.1	73.0	74.6	76.0	76.3	76.4	76.8	76.9	76.9	77.0	77.0	77.1	77.1	77.1	77.2	77.2
≥ 1800	84.3	77.2	79.5	80.6	81.0	81.1	81.3	81.6	81.6	81.6	81.7	81.7	81.8	81.8	81.9	81.9
≥ 1500	84.4	84.2	86.3	87.6	88.0	88.2	88.7	88.7	88.7	88.8	88.8	88.9	88.9	88.9	89.0	89.0
≥ 1200	90.1	87.9	90.3	91.8	92.2	92.3	92.9	93.0	93.0	93.0	93.1	93.1	93.2	93.2	93.3	93.3
≥ 1000	90.3	89.4	92.2	93.8	94.3	94.5	95.0	95.0	95.0	95.1	95.2	95.2	95.3	95.3	95.3	95.3
≥ 900	90.8	89.6	92.7	94.5	95.1	95.3	95.9	95.9	95.9	96.0	96.0	96.1	96.1	96.1	96.2	96.2
≥ 800	91.0	90.1	93.2	95.0	95.9	96.1	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	97.0	97.0
≥ 700	90.8	90.2	93.3	95.4	96.5	96.8	97.5	97.6	97.6	97.6	97.7	97.8	97.8	97.9	97.9	97.9
≥ 600	90.8	90.3	93.5	95.7	97.0	97.3	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4
≥ 500	90.8	90.3	93.5	95.9	97.4	97.7	98.6	98.7	98.7	98.7	98.8	98.8	98.9	99.0	99.0	99.0
≥ 400	90.8	90.3	93.5	96.0	97.5	97.9	98.8	98.9	98.9	99.1	99.1	99.2	99.3	99.3	99.3	99.3
≥ 300	90.8	90.3	93.5	96.1	97.6	97.9	98.9	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.6	99.6
≥ 200	90.8	90.3	93.5	96.1	97.6	98.0	99.0	99.1	99.1	99.3	99.4	99.5	99.6	99.6	99.8	99.8
≥ 100	90.8	90.3	93.5	96.1	97.6	98.0	99.0	99.1	99.1	99.3	99.4	99.5	99.6	99.7	99.9	100.0
≥ 0	90.8	90.3	93.5	96.1	97.6	98.0	99.0	99.1	99.1	99.3	99.4	99.5	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

CEILING VERSUS VISIBILITY

[illegible] STATION [illegible] STATION NAME [illegible] YEARS MAY 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	40.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 18000	[illegible]	[illegible]	[illegible]	[illegible]	39.2	[illegible]	[illegible]	[illegible]	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 16000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 14000	[illegible]	[illegible]	40.1	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 12000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 10000	[illegible]	[illegible]	[illegible]	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 8000	44.1	[illegible]	[illegible]	[illegible]	[illegible]	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 6000	[illegible]	51.5	52.3	52.6	[illegible]	[illegible]	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	51.5	56.3	57.1	57.5	[illegible]	[illegible]	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500	56.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	77.4	78.4	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	[illegible]	[illegible]	[illegible]	[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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[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]	[illegible]	[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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[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]	[illegible]	[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 17.

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INC STATION NAME | 49-56 YEARS | JULY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥5/16	≥¼	≥0
NO CEILING	34.1	36.2	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
≥ 20000	42.3	44.4	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 18000	42.3	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	45.2
≥ 16000	42.4	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 14000	43.1	46.4	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
≥ 12000	43.3	48.2	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 10000	48.9	51.3	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 9000	49.1	52.4	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
≥ 8000	52.0	56.4	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 7000	55.3	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 6000	56.6	61.3	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	59.0	64.9	64.3	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
≥ 4500	61.0	66.1	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	66.0	71.1	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	71.7	78.0	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1000	76.4	84.0	84.6	84.9	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	81.0	90.3	90.9	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	83.4	94.0	94.8	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	83.8	94.7	95.6	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	84.2	96.0	97.0	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
≥ 1200	84.3	96.4	97.6	98.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	84.5	96.7	98.0	99.0	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	84.5	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	84.5	96.7	98.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	84.5	96.7	98.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	84.5	96.7	98.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	84.5	96.7	98.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	84.5	96.7	98.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	84.5	96.7	98.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	84.5	96.7	98.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	84.5	96.7	98.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	84.5	96.7	98.1	99.3	99.9	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 1750

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON, FAC STATION NAME | 1963 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.4	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	38.4
≥ 20000	47.5	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	47.6	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	49.1	49.1
≥ 16000	47.6	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	49.3	49.3
≥ 14000	49.1	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
≥ 12000	51.3	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	54.1	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	56.1	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
≥ 8000	58.9	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	62.0	65.1	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 6000	64.1	67.7	67.8	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000	67.9	71.6	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500	70.0	74.1	74.8	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4000	73.0	77.3	79.4	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	77.3	82.1	83.9	84.0	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	82.1	89.5	89.8	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	84.0	93.0	93.3	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	85.7	95.0	96.2	96.4	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	86.0	96.3	96.9	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	86.3	97.1	97.9	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	86.3	97.5	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	86.4	97.7	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	86.4	97.7	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	86.4	97.7	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	86.4	97.7	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	86.4	97.7	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.4	97.7	99.0	99.4	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	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INTL STATION NAME | 49-64 YEARS | MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-2000 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.4	40.1	40.1	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
≥ 20000	46.9	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 18000	47.0	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	48.2	48.2
≥ 16000	47.1	48.3	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
≥ 14000	48.0	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	50.4	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
≥ 10000	54.2	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 9000	56.1	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	60.3	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000	64.7	66.7	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 6000	66.0	69.5	69.6	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
≥ 5000	70.2	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.0	75.0	75.0	75.0	75.0
≥ 4500	72.1	78.2	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	73.4	82.1	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3500	76.4	86.0	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	81.3	89.9	90.3	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500	92.8	92.9	93.5	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	93.4	94.9	95.7	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	94.1	95.3	96.2	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.3
≥ 1500	94.4	96.1	97.1	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	94.5	96.3	97.6	98.5	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	94.6	96.8	97.9	98.8	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 900	94.6	96.8	97.9	98.9	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7
≥ 800	94.6	96.8	97.9	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 700	94.6	96.8	97.9	99.0	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 600	94.6	96.8	97.9	99.0	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 500	94.6	96.8	97.9	99.0	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	94.6	96.8	97.9	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	94.6	96.8	97.9	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	94.6	96.8	97.9	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	94.6	96.8	97.9	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
0	94.6	96.8	97.9	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17..

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON STC STATION NAME | 1963 YEARS | JAN 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.1	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 20000	47.2	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	47.4	49.1	49.1	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
≥ 16000	47.6	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 14000	48.2	49.9	49.9	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
≥ 12000	49.4	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
≥ 10000	52.9	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	54.7	57.1	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
≥ 8000	58.7	61.4	61.4	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
≥ 7000	62.3	65.0	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 6000	64.9	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 5000	68.1	73.3	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500	70.0	76.4	76.3	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
≥ 4000	72.1	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3500	75.4	83.0	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	77.3	87.3	87.7	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
≥ 2500	79.6	91.1	91.5	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	81.2	93.7	94.2	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
≥ 1800	82.1	95.0	95.6	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	82.5	96.1	97.3	97.6	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	82.9	97.5	98.1	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	83.1	98.0	98.8	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	83.1	98.0	99.0	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
≥ 800	83.1	98.1	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	83.1	98.1	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	83.1	98.1	99.1	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	83.1	98.1	99.1	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	83.1	98.1	99.1	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	83.1	98.1	99.1	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	83.1	98.1	99.1	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	83.1	98.1	99.1	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	83.1	98.1	99.1	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 173

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 (STATION) SEATTLE WASHINGTON PBO (STATION NAME) 59-66 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.0	36.9	37.1	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.5	37.5
≥ 20000	40.5	43.2	43.6	43.8	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 18000	40.6	43.4	43.7	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 16000	40.8	43.7	44.0	44.2	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 14000	41.1	44.7	45.0	45.2	45.3	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 12000	43.5	46.6	46.9	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4
≥ 10000	46.2	49.7	50.0	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5
≥ 9000	47.9	51.0	51.4	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 8000	51.0	55.0	55.4	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9
≥ 7000	53.0	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 6000	55.4	60.3	60.8	61.0	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	58.1	63.6	64.3	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4500	60.4	66.6	67.1	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	63.1	70.3	70.9	71.2	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500	66.4	74.2	74.8	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6
≥ 3000	69.9	79.0	79.8	80.2	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6
≥ 2500	73.3	84.7	84.5	85.0	85.2	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2000	76.4	88.2	89.2	89.8	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3
≥ 1800	77.1	90.4	91.2	91.8	92.1	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	79.2	93.0	94.1	94.9	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	79.9	94.6	95.9	96.8	97.1	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	80.2	95.3	96.8	97.8	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	80.2	95.6	97.1	98.2	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 800	80.2	95.8	97.3	98.4	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	80.2	95.7	97.3	98.5	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	80.2	95.7	97.3	98.6	99.2	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	80.2	95.7	97.4	98.6	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 400	80.2	95.7	97.4	98.6	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 300	80.2	95.7	97.4	98.7	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	80.2	95.7	97.4	98.7	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	80.2	95.7	97.4	98.7	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	80.2	95.7	97.4	98.7	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1360 17

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

29244 (STATION) SEATTLE WASHINGTON ISC (STATION NAME) 49-68 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2300 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.9	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	41.6	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	44.3
≥ 18000	41.8	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 16000	42.1	44.9	44.9	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
≥ 14000	42.7	45.6	45.6	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
≥ 12000	43.8	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
≥ 10000	45.8	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 9000	46.6	50.4	50.4	50.4	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	51.1	55.4	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
≥ 7000	54.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 6000	57.4	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	62.6
≥ 5000	60.4	66.2	66.3	66.3	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	62.0	68.2	68.3	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
≥ 4000	65.4	72.4	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	68.0	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	71.1	79.9	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 2500	73.1	83.1	83.3	83.6	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000	76.3	87.3	87.7	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800	77.8	89.4	89.6	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	79.3	92.0	92.9	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	80.7	95.1	95.6	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	81.8	96.5	97.1	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	81.9	96.7	97.4	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	82.0	97.1	97.8	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	82.1	97.5	98.2	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
≥ 600	82.1	97.6	98.4	99.1	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	82.2	97.7	98.5	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	82.2	97.7	98.5	99.2	99.2	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	82.2	97.7	98.5	99.2	99.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	82.2	97.7	98.5	99.2	99.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	82.2	97.7	98.5	99.2	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	82.2	97.7	98.5	99.2	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON FAA STATION NAME | 42-60 YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.9	32.0	32.3	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 20000	31.4	34.4	35.3	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 18000	31.4	34.5	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 16000	31.8	35.3	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 14000	33.1	36.6	37.1	37.2	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 12000	34.5	38.0	38.5	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 10000	36.8	40.4	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 9000	37.5	41.4	41.8	42.0	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 8000	40.3	44.6	45.3	45.5	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 7000	43.1	46.0	48.6	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 6000	44.6	49.9	50.5	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 5000	53.2	54.5	55.1	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4500	56.9	57.1	57.7	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	58.3	60.5	61.3	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 3500	55.5	63.5	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 3000	58.2	66.8	67.7	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2500	61.3	70.6	71.5	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2000	65.8	74.2	77.7	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1800	67.6	79.2	80.4	81.0	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500	70.1	83.3	84.5	85.2	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1200	72.6	87.1	89.5	90.4	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	73.6	90.2	92.2	93.3	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	74.3	91.2	93.2	94.3	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	74.6	91.1	94.2	95.6	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	74.8	92.3	94.8	96.4	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	74.9	92.4	95.4	97.1	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	74.9	92.9	95.5	97.2	98.4	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	74.9	92.9	95.5	97.3	98.5	98.7	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	75.0	93.0	95.7	97.4	98.6	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	75.0	93.0	95.7	97.4	98.6	98.9	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	75.0	93.0	95.7	97.4	98.6	98.9	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
0	75.0	93.0	95.7	97.4	98.6	98.9	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 16[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON F/C STATION NAME | [illegible] YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0300 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.8	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 20000	29.0	32.0	32.3	32.3	32.8	32.3	32.8	32.3	32.8	32.8	32.8	32.8	32.8	32.8	32.	32.8
≥ 18000	29.0	32.0	32.3	32.5	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 16000	29.3	32.3	32.6	32.3	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 14000	30.7	33.7	34.0	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 12000	31.8	35.1	35.4	35.6	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 10000	34.2	37.8	38.2	38.4	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 9000	35.1	38.8	39.2	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 8000	37.9	42.0	42.3	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 7000	39.2	43.3	44.1	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 6000	40.3	45.0	45.4	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 5000	42.8	47.9	48.3	48.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 4500	44.0	50.4	50.8	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 4000	47.3	53.6	54.5	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3500	49.0	57.0	57.1	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 3000	52.4	60.8	61.7	62.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 2500	56.2	65.9	66.8	67.6	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2000	60.6	71.1	72.9	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1800	62.1	74.9	76.1	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1500	66.2	81.1	82.7	83.9	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1200	68.1	84.8	86.5	87.9	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1000	69.3	88.9	91.2	92.9	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 900	89.7	90.2	92.4	94.2	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	89.9	91.1	93.5	95.4	96.4	96.6	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	70.1	91.1	94.2	96.3	97.3	97.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	70.2	91.9	94.4	96.6	97.7	97.9	98.2	98.3	98.3	98.3	98.4	98.3	98.3	98.3	98.4	98.4
≥ 500	70.2	91.9	94.5	96.8	97.9	98.1	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	70.2	91.9	94.5	96.8	98.0	98.3	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 300	70.2	91.9	94.5	96.9	98.2	98.5	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	70.2	91.9	94.5	96.9	98.2	98.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	70.2	91.9	94.5	96.9	98.2	98.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0
0	70.2	91.9	94.5	96.9	98.2	98.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

29244 STATION | SEATTLE WASHINGTON STATION NAME | 1963 YEARS | JA MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0700-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.5	30.6	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 20000	32.5	32.6	35.5	35.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 18000	32.6	35.5	35.8	36.0	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.4	36.3	36.3	36.3	36.3
≥ 16000	32.7	35.6	35.9	36.1	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 14000	33.8	36.7	37.0	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 12000	34.7	38.0	38.3	38.5	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 10000	37.3	40.6	41.3	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 9000	38.9	42.4	42.9	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 8000	42.1	46.0	46.4	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 7000	44.2	48.0	49.0	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 6000	46.0	50.5	50.9	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 5000	48.2	54.0	53.5	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 4500	49.9	55.0	55.5	55.8	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 4000	52.1	57.5	57.8	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 3500	55.3	61.7	62.1	62.5	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 3000	59.8	67.0	67.7	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 2500	66.3	73.5	74.2	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2000	69.0	81.0	81.8	82.3	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	70.1	83.9	85.1	85.5	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500	73.2	88.4	90.4	91.1	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1
≥ 1200	73.9	91.0	92.9	93.6	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	74.0	92.0	94.4	95.5	96.5	96.7	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2
≥ 900	74.2	92.5	95.0	96.3	97.3	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	74.2	92.6	95.2	96.5	97.6	97.8	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4
≥ 700	74.3	92.7	95.4	97.0	98.0	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	74.3	92.8	95.5	97.2	98.4	98.6	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 500	74.3	92.8	95.5	97.3	98.5	98.7	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 400	74.3	92.8	95.6	97.4	98.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	74.3	92.8	95.6	97.4	98.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	74.3	92.8	95.6	97.4	98.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	74.3	92.8	95.6	97.4	98.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
0	74.3	92.8	95.6	97.4	98.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON FAC STATION NAME | 1960 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.6	36.3	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	40.0	43.1	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 18000	40.3	43.4	43.8	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
≥ 16000	40.3	43.6	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 14000	41.0	44.0	45.1	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
≥ 12000	43.2	46.0	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	45.0	49.0	50.4	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
≥ 9000	47.0	51.1	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	51.1	55.7	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 7000	55.0	59.7	60.3	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 6000	58.3	61.9	62.1	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 5000	59.6	62.4	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	61.0	67.1	68.4	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000	64.3	71.0	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3500	67.9	75.2	75.9	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3000	71.9	80.3	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	76.8	87.3	88.2	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2000	79.2	91.3	92.4	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	79.8	92.3	93.7	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	80.4	94.0	95.4	96.1	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	80.5	94.0	96.2	97.1	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	80.7	95.0	96.6	97.8	98.3	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	80.7	95.1	97.0	98.2	98.8	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	80.7	95.1	97.0	98.3	98.9	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	80.7	95.1	97.0	98.4	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	80.7	95.1	97.0	98.4	99.1	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.8	99	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 15

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE-WASHINGTON INTL STATION NAME | 1950-1960 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.3	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 20000	43.9	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 18000	44.1	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 16000	44.5	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 14000	46.0	48.1	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	48.2
≥ 12000	47.3	49.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	51.1	53.0	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
≥ 9000	52.9	55.4	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
≥ 8000	57.4	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 7000	60.8	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000	67.7	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 5000	69.5	71.0	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4500	68.8	73.6	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4000	72.4	77.3	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500	76.7	82.9	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	80.6	87.3	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500	93.4	91.7	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	93.2	94.3	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	95.5	96.9	95.9	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	85.9	95.8	97.0	97.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200	96.0	96.1	97.5	98.2	98.3	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	96.0	96.4	97.4	98.5	98.8	98.9	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	86.1	96.5	97.9	98.6	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	86.1	96.5	98.0	98.7	99.1	99.2	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	86.1	96.5	98.0	98.8	99.2	99.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	86.1	96.5	98.0	98.8	99.2	99.3	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	86.1	96.5	98.0	98.8	99.2	99.3	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.1	96.5	98.0	98.8	99.2	99.3	99.6	99.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.1	96.5	98.0	98.8	99.2	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.1	96.5	98.0	98.8	99.2	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.1	96.5	98.0	98.8	99.2	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	86.1	96.5	98.0	98.8	99.2	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1861

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24234 STATION | SEATTLE WASHINGTON INTL STATION NAME | 49-52 YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1 JAN-31 DEC HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.5	40.1	40.7	40.1	40.7	40.1	40.7	40.7	40.7	40.7	40.7	40.1	40.7	40.7	40.7	40.7
≥ 20000	45.1	40.1	46.7	46.1	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.1	46.7	46.1	46.1	46.7
≥ 18000	46.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000	46.5	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	47.9
≥ 14000	47.9	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
≥ 12000	51.5	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 10000	53.0	55.1	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	54.1	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	57.3
≥ 8000	60.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 7000	64.0	67.5	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
≥ 6000	67.5	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 5000	70.1	75.5	75.5	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500	72.1	77.6	77.7	79.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4000	73.2	78.7	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	77.9	84.0	84.2	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	81.5	88.1	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500	93.1	91.6	92.1	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	94.1	93.9	93.8	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	94.3	94.8	94.2	94.9	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	94.9	95.1	95.7	96.3	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	95.0	95.6	96.4	97.4	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	95.2	96.3	97.0	98.1	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	95.2	96.3	97.1	98.3	99.0	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	95.2	96.3	97.1	98.3	99.1	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	95.2	96.3	97.1	98.3	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.9	99.8	99.8	99.8	99.8
≥ 600	95.2	96.3	97.1	98.3	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.9	99.8	99.8	99.8	99.8
≥ 500	95.2	96.3	97.1	98.3	99.2	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	95.2	96.3	97.1	98.3	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	95.2	96.3	97.1	98.3	99.3	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.2	96.3	97.1	98.3	99.3	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.2	96.3	97.1	98.3	99.3	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	95.2	96.3	97.1	98.3	99.3	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 SEATTLE-TACOMA, WA | 1960 | 1-10 = 2300 HOURS (L.S.T.)
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 20000	95.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 18000	95.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 16000	95.6	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
≥ 14000	96.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 12000	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	99.2	99.2	99.2
≥ 10000	91.5	94.1	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	94.2
≥ 9000	92.0	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	96.5	96.5
≥ 8000	97.7	01.3	01.3	01.3	01.3	01.3	01.3	01.3	01.3	01.3	01.3	01.3	01.3	01.3	01.3	01.3
≥ 7000	00.3	05.2	05.2	05.2	05.2	05.2	05.2	05.2	05.2	05.2	05.2	05.2	05.2	05.2	05.2	05.2
≥ 6000	03.9	06.2	06.3	06.3	06.3	06.3	06.3	06.3	06.3	06.3	06.3	06.3	06.3	06.3	06.3	06.3
≥ 5000	06.5	72.2	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
≥ 4500	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4000	77.3	79.0	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
≥ 3500	79.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	82.3	86.0	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2500	84.9	89.3	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	89.8
≥ 2000	91.8	92.9	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1800	92.4	93.5	94.0	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	93.3	95.4	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	93.6	96.2	97.1	97.4	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	94.9	96.8	98.0	98.2	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	93.9	97.0	98.1	98.3	98.8	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	94.9	97.1	98.3	98.6	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	93.9	97.1	98.5	98.6	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	94.0	97.3	98.5	98.9	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	94.0	97.3	98.6	98.9	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	94.0	97.5	98.6	98.9	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	94.0	97.6	98.8	99.0	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.0	97.6	98.8	99.0	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.0	97.6	98.8	99.0	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.0	97.6	98.8	99.0	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE-TACOMA INTL STATION NAME | 49-61 YEARS | JUL 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.7	36.2	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	41.0	41.1	41.3	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 18000	38.3	41.4	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 16000	39.1	41.7	41.9	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 14000	40.3	42.9	43.1	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
≥ 12000	41.7	44.6	45.0	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	44.3	47.7	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 9000	45.3	49.2	49.4	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
≥ 8000	49.1	53.3	53.5	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	52.1	57.1	57.4	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
≥ 6000	54.0	59.4	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	57.9	62.6	63.5	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
≥ 4500	59.9	65.0	65.9	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4000	62.1	67.0	69.4	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
≥ 3500	65.1	72.5	73.2	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
≥ 3000	69.1	77.1	77.7	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2500	72.3	81.0	82.3	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	75.3	86.1	86.9	87.4	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	76.4	87.6	88.6	89.2	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1500	77.9	90.6	91.8	92.5	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	78.8	92.1	94.0	94.7	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	79.3	94.0	95.6	96.5	97.0	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	79.5	94.4	96.0	97.0	97.6	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	79.6	94.7	96.4	97.5	98.1	98.3	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
≥ 700	79.6	94.9	96.6	97.8	98.5	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	79.7	95.0	96.8	98.0	98.8	98.9	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	79.7	95.1	96.8	98.1	98.9	99.0	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	79.7	95.1	96.9	98.1	98.9	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	79.7	95.1	96.9	98.2	99.0	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	79.7	95.1	96.9	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	79.7	95.1	96.9	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	79.7	95.1	96.9	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1364

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON (SEA) STATION NAME | 1956 YEARS | 01 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.3	59.5	60.7	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
≥ 20000	58.2	60.5	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 18000	58.5	61.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 16000	58.7	62.0	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	59.3	62.8	63.8	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
≥ 12000	59.4	63.4	64.4	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
≥ 10000	62.3	65.7	66.9	66.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	62.6	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 8000	68.3	69.5	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 7000	68.2	72.4	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
≥ 6000	69.3	73.0	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	72.3	76.9	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 4500	73.5	78.9	79.1	79.1	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	73.8	80.3	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	76.8	82.8	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	76.9	86.2	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	81.1	89.3	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000	82.9	91.7	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	84.9	93.0	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	85.8	95.4	95.7	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
≥ 1200	96.5	96.9	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	96.7	97.3	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
≥ 900	97.8	97.4	97.9	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	98.9	97.1	98.2	98.7	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	99.9	97.9	98.7	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	98.9	98.0	98.8	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	98.9	98.0	98.8	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	98.9	98.0	98.8	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.9	98.0	98.8	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.9	98.0	98.8	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.9	98.0	98.8	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.9	98.0	98.8	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1777

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON FAC STATION NAME | 47-66 YEARS | JUL 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.9	47.0	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	45.0	48.9	49.1	49.2	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 18000	45.2	49.1	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000	45.3	49.2	49.5	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	46.0	50.1	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 12000	47.0	51.1	51.4	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8
≥ 10000	48.0	53.2	53.4	53.5	53.5	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 9000	49.0	53.8	54.0	54.1	54.1	54.1	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	51.5	56.0	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 7000	53.0	58.2	58.5	58.7	58.7	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 6000	54.3	59.2	59.5	59.7	59.7	59.7	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 5000	55.9	62.4	62.7	62.8	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	58.8	64.7	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4000	60.1	66.4	66.7	66.9	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	61.5	68.3	68.6	68.8	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3000	63.6	71.2	71.5	71.7	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500	65.8	74.0	74.9	75.2	75.2	75.2	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	69.5	79.2	79.6	80.1	80.2	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1800	71.7	81.8	82.2	82.7	82.9	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1500	74.6	86.3	86.9	87.4	87.5	87.5	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	79.9	90.8	91.2	91.6	91.9	91.9	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	78.2	92.9	93.9	94.5	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	78.7	93.9	95.0	95.6	95.9	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	78.7	94.4	95.5	96.4	96.9	96.9	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	79.0	94.8	96.0	97.0	97.6	97.6	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	79.0	95.2	96.4	97.3	98.2	98.2	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	79.0	95.3	96.8	97.9	98.6	98.6	98.9	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	79.1	95.5	97.0	98.1	98.8	98.8	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	79.1	95.5	97.0	98.2	98.9	98.9	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	79.1	95.5	97.0	98.2	98.9	98.9	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	79.1	95.6	97.1	98.2	98.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	79.1	95.6	97.1	98.2	98.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1711

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON NAC STATION NAME | [illegible] YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2400 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.4	37.6	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 20000	35.9	41.9	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 18000	36.2	41.8	42.3	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 16000	36.3	42.0	42.4	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
≥ 14000	36.9	42.8	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 12000	37.1	43.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 10000	38.9	45.1	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
≥ 9000	39.3	45.6	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 8000	42.3	48.8	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 7000	42.9	50.3	50.8	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 6000	45.2	51.9	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 5000	47.1	53.8	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 4500	48.9	56.1	56.6	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000	50.7	58.0	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 3500	52.3	60.6	61.2	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 3000	54.1	63.0	64.3	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 2500	57.2	66.9	67.3	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000	61.1	72.0	73.4	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 1800	63.1	75.4	76.2	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500	66.6	80.6	81.6	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1200	68.9	85.0	86.3	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1000	70.9	88.1	89.5	90.4	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900	71.0	89.2	90.7	91.7	92.5	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	71.5	90.4	92.4	93.7	94.6	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	71.6	91.4	93.7	95.1	96.2	96.2	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	71.7	91.7	94.2	95.8	97.1	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	71.9	92.0	94.6	96.4	97.8	97.8	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8
≥ 400	71.9	92.0	94.7	96.6	98.2	98.2	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	71.9	92.1	94.7	96.7	98.3	98.3	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	71.9	92.2	94.8	96.7	98.3	98.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	71.9	92.2	94.8	96.7	98.3	98.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
0	71.9	92.2	94.8	96.7	98.3	98.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17?

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INT'L STATION NAME | 48-62 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-1100 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.4	45.1	45.9	46.4	46.8	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	44.1	48.0	48.8	49.4	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	42.4	46.3	49.1	49.7	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	42.4	46.3	49.2	49.7	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	42.5	46.7	49.6	50.1	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	42.6	46.8	50.4	51.0	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	44.8	51.2	52.3	52.8	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 9000	45.2	52.0	53.1	53.6	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	47.9	55.1	56.2	56.8	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 7000	49.9	57.3	58.5	59.1	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 6000	50.9	58.4	59.6	60.2	60.7	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 5000	52.2	59.8	61.1	61.7	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4500	53.9	62.0	63.2	63.8	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4000	55.3	64.1	65.3	65.9	66.4	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	56.8	65.3	66.6	67.2	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000	59.3	69.1	70.5	71.1	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 2500	65.2	75.9	77.2	77.8	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	70.1	82.0	84.4	85.1	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1800	71.8	85.5	87.0	87.8	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	73.2	89.3	91.1	92.0	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	73.8	91.4	93.8	95.1	95.7	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	73.9	92.4	95.0	96.5	97.3	97.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	73.9	92.7	95.3	96.8	97.8	98.0	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	73.9	92.8	95.6	97.1	98.2	98.4	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	73.9	92.8	95.6	97.2	98.6	98.7	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	74.0	92.9	95.7	97.4	98.8	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	74.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	74.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1722

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 (STATION) ST. LEO, WISCONSIN (STATION NAME) 1972 (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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.5	56.3	57.3	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	54.9	61.6	62.8	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 18000	55.1	61.8	63.0	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	55.3	62.0	63.4	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 14000	55.8	62.7	63.9	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 12000	57.1	64.2	65.4	65.9	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 10000	59.5	66.7	67.9	68.3	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 9000	60.2	67.6	68.8	69.4	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 8000	68.1	76.9	78.1	78.6	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	68.7	78.1	79.4	80.0	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000	69.1	79.6	81.0	81.5	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 5000	69.7	80.1	81.5	82.0	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4500	69.1	80.3	81.9	82.5	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4000	70.9	82.5	84.2	84.8	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	73.2	85.3	87.0	87.6	87.7	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000	73.8	86.7	88.1	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 2500	79.4	90.6	91.7	92.3	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	82.0	93.8	95.3	96.0	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	82.4	94.0	96.3	97.0	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	82.9	95.3	97.2	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	82.6	95.8	97.8	98.9	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	82.8	95.8	97.9	99.1	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	82.8	95.9	98.0	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	82.8	96.0	98.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	82.8	96.0	98.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	82.8	96.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	82.8	96.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	82.8	96.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	82.8	96.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	82.8	96.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	82.8	96.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	82.8	96.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 172

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
FIAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24246 STATION | SEATTLE WASHINGTON FAC STATION NAME | 49-66 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-1700 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.6	63.2	63.4	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 20000	63.8	67.6	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000	63.7	67.6	68.0	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
≥ 16000	64.0	68.4	68.3	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
≥ 14000	69.5	69.6	69.8	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
≥ 12000	69.5	70.1	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 10000	69.5	73.9	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 9000	70.4	74.1	74.9	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000	73.1	76.2	78.7	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
≥ 7000	75.9	81.0	81.3	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	77.0	82.8	83.1	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 5000	79.4	84.8	85.1	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
≥ 4500	80.5	86.1	86.4	86.9	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	82.9	88.1	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500	85.2	91.2	91.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	87.2	93.1	94.3	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
≥ 2500	88.9	95.6	96.5	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	89.6	96.0	97.5	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	89.7	97.2	97.9	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.0	99.0	99.0	99.0	99.0
≥ 1500	89.8	97.6	98.6	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	89.8	97.7	98.7	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	89.8	97.8	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 179

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON ARS STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-2000 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	64.9	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
≥ 20000	[illegible]	[illegible]	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	69.2
≥ 18000	69.9	69.0	69.2	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
≥ 16000	69.2	69.2	69.4	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
≥ 14000	70.3	70.5	70.6	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
≥ 12000	71.2	71.5	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	71.9
≥ 10000	73.0	74.1	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 9000	73.3	74.9	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 8000	76.9	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	79.4
≥ 7000	77.5	81.9	82.4	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
≥ 6000	79.4	83.1	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 5000	81.8	86.2	86.7	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
≥ 4500	87.9	88.1	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 4000	89.5	91.0	91.5	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	92.4	93.3	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 3000	94.9	95.1	95.7	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
≥ 2500	96.8	96.1	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
≥ 2000	96.5	97.1	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	96.5	97.8	98.4	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
≥ 1500	96.6	98.4	98.8	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
≥ 1200	96.8	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
≥ 1000	96.9	98.7	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
≥ 900	96.9	98.7	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	96.9	98.7	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	96.9	98.8	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	96.9	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.9	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.9	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.9	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.9	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.9	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.9	98.8	99.4	99.8	99.9	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 17..

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24234 STATION | SEATTLE WASHINGTON INTL STATION NAME | 62-66 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2166-2300 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.1	64.8	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
≥ 20000	64.5	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	64.1	67.5	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
≥ 16000	64.9	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 14000	65.8	68.0	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
≥ 12000	66.0	69.4	69.6	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
≥ 10000	68.4	71.3	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
≥ 9000	69.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 8000	72.8	75.0	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	73.0	76.0	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
≥ 6000	77.0	80.2	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 5000	80.2	83.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500	81.5	85.3	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	83.2	87.4	88.0	88.1	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	84.5	89.0	90.2	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	85.8	92.0	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2500	87.3	94.2	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2000	88.2	95.1	96.3	96.4	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	88.8	96.5	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	89.4	97.3	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	89.9	98.1	98.9	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
≥ 1000	89.9	98.2	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
≥ 900	89.9	98.2	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
≥ 800	90.0	98.6	99.4	99.6	99.8	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	90.0	98.6	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	90.0	98.6	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	90.0	98.6	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.0	98.6	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.0	98.6	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.0	98.6	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.0	98.6	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	90.0	98.6	99.4	99.7	99.9	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 1756

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON FAC STATION NAME | 49-65 YEARS | JUL 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.1	55.2	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	58.8	58.2	58.6	58.8	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 18000	54.0	58.4	58.8	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	54.1	58.0	58.0	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	54.2	59.4	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 12000	53.8	60.4	60.9	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
≥ 10000	57.9	62.0	63.1	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 9000	58.5	63.4	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 8000	61.5	66.6	67.1	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 7000	63.1	69.1	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 6000	65.0	70.5	71.1	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	67.2	72.0	73.6	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4500	68.7	74.8	75.4	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	70.4	76.9	77.5	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	72.2	79.2	79.8	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3000	74.5	82.2	82.9	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	75.8	85.4	86.1	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000	79.3	88.8	89.6	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	80.3	90.2	91.1	91.5	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	81.0	92.5	93.5	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	87.4	94.2	95.4	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	88.8	95.1	96.4	97.1	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	92.9	95.5	96.8	97.5	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	93.0	95.8	97.2	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	93.1	96.0	97.5	98.4	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	93.1	96.1	97.6	98.6	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	93.1	96.2	97.7	98.7	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	93.1	96.2	97.7	98.7	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	93.1	96.2	97.7	98.8	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	93.1	96.2	97.8	98.8	99.4	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.1	96.2	97.8	98.8	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.1	96.2	97.8	98.8	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 14374

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON FAC STATION NAME | 49-62 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0400 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	49.7	54.9	55.4	55.8	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
	51.5	56.7	57.2	57.6	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000 ≥ 16000	51.5	56.7	57.2	57.6	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
	51.6	56.8	57.3	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000 ≥ 12000	51.6	56.8	57.3	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
	52.7	58.2	59.1	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 10000 ≥ 9000	53.9	60.1	60.7	61.1	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
	54.3	60.6	61.2	61.6	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 8000 ≥ 7000	57.3	64.1	64.7	65.1	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
	59.0	66.1	67.4	67.7	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 6000 ≥ 5000	60.3	68.3	68.9	69.3	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
	62.3	71.1	72.3	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	74.1	73.1
≥ 4500 ≥ 4000	64.2	73.0	74.4	74.8	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
	66.2	76.4	77.0	77.4	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500 ≥ 3000	67.9	79.0	79.6	80.0	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
	69.4	81.4	82.1	82.5	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500 ≥ 2000	71.5	84.1	84.9	85.3	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
	74.0	88.0	88.9	89.3	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1800 ≥ 1500	75.4	89.8	90.8	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
	76.8	92.4	93.4	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200 ≥ 1000	76.0	94.3	95.6	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
	78.3	95.4	96.9	97.7	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900 ≥ 800	78.3	95.7	97.3	98.2	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	78.4	95.8	97.4	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700 ≥ 600	78.5	95.9	97.5	98.5	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	78.5	95.9	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500 ≥ 400	78.5	95.9	97.6	98.7	99.1	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
	78.5	96.0	97.6	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200	78.5	96.0	97.6	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
	78.5	96.0	97.6	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 0	78.5	96.0	97.6	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
	78.5	96.0	97.6	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24249 SEATTLE WASHINGTON [illegible] [illegible] YEARS [illegible] MONTH
STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0500-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.1	41.0	41.2	42.9	43.1	43.1	43.3	43.5	43.5	43.5	43.5	43.5	43.6	43.6	43.6	43.6
≥ 20000	35.7	42.8	43.7	44.7	44.9	44.9	45.1	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 18000	35.8	42.9	43.8	44.8	45.0	45.0	45.2	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5
≥ 16000	35.8	42.9	43.8	44.8	45.0	45.0	45.2	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5
≥ 14000	35.9	43.0	44.0	44.9	45.2	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7
≥ 12000	36.7	44.0	45.1	46.1	46.4	46.4	46.6	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9
≥ 10000	38.2	46.0	47.1	48.1	48.4	48.4	48.6	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9
≥ 9000	39.2	47.0	48.1	49.1	49.4	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9
≥ 8000	41.5	49.7	50.8	51.8	52.2	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7
≥ 7000	43.3	52.1	53.2	54.3	54.6	54.7	54.9	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2
≥ 6000	44.4	53.8	55.0	56.1	56.4	56.5	56.7	56.8	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
≥ 5000	45.9	56.1	57.9	59.0	59.3	59.3	59.5	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500	48.0	58.2	59.5	60.6	60.9	61.0	61.2	61.3	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5
≥ 4000	49.3	60.0	61.3	62.3	62.7	62.7	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3500	50.7	62.4	63.7	64.7	65.1	65.1	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 3000	52.4	64.5	66.2	67.2	67.6	67.6	67.9	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2
≥ 2500	54.5	67.7	69.3	70.5	70.9	71.0	71.2	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
≥ 2000	57.3	71.4	73.8	75.0	75.4	75.5	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1800	59.7	75.1	76.6	77.8	78.3	78.3	78.5	78.7	78.8	78.8	78.9	78.8	78.9	78.9	78.9	78.9
≥ 1500	63.5	81.0	83.2	84.5	85.0	85.1	85.3	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	69.4	85.8	87.7	89.0	89.7	89.8	90.0	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1000	96.9	98.6	90.7	92.1	92.9	93.0	93.2	93.4	93.5	93.5	93.6	93.6	93.7	93.7	93.7	93.7
≥ 900	67.1	89.9	91.8	93.3	94.0	94.2	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	67.2	90.0	92.4	94.0	94.9	95.1	95.3	95.4	95.5	95.5	95.5	95.5	96.0	96.0	96.0	96.0
≥ 700	67.5	91.0	93.5	95.4	96.3	96.4	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	67.6	91.2	93.8	95.7	96.7	96.9	97.6	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 500	67.7	91.3	93.9	95.9	97.1	97.2	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	67.7	91.4	94.0	96.1	97.4	97.6	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	67.7	91.5	94.0	96.2	97.5	97.8	98.7	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	67.7	91.5	94.0	96.2	97.5	97.8	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	67.7	91.5	94.0	96.2	97.5	97.8	98.7	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	67.7	91.5	94.0	96.2	97.5	97.8	98.7	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1754

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 (STATION) SEATTLE WASHINGTON INC (STATION NAME) 49-60 (YEARS) (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

(HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.0	29.0	31.2	32.5	33.2	33.3	33.7	33.1	33.7	33.8	33.9	33.9	33.8	33.4	33.6	33.6
≥ 20000	41.1	31.2	33.4	34.9	35.4	35.6	35.9	35.8	35.9	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 18000	43.2	31.3	33.3	34.3	35.5	35.9	36.0	36.0	36.0	36.3	36.5	36.5	36.3	36.3	36.3	36.3
≥ 16000	43.2	31.3	33.3	34.3	35.5	35.9	36.0	36.0	36.0	36.3	36.5	36.5	36.3	36.3	36.3	36.3
≥ 14000	43.0	32.1	34.1	35.3	35.3	36.4	36.7	36.8	37.0	37.1	37.0	37.1	37.1	37.1	37.1	37.1
≥ 12000	44.1	33.9	35.9	37.4	38.2	38.2	38.7	38.7	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 10000	45.9	35.9	37.4	38.7	39.7	39.7	40.2	40.2	40.2	40.4	40.4	40.4	40.3	40.3	40.3	40.3
≥ 9000	45.9	36.2	38.3	39.8	40.5	40.5	41.1	41.1	41.1	41.3	41.3	41.3	41.3	41.4	41.4	41.4
≥ 8000	48.2	38.1	40.2	41.1	42.5	42.6	43.2	43.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 7000	48.3	38.4	42.0	43.6	44.4	44.5	45.1	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 6000	50.4	41.0	43.3	44.9	45.7	45.8	46.1	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 5000	51.5	42.0	45.0	46.6	47.4	47.5	48.1	48.1	48.1	48.3	48.3	48.3	48.3	48.4	48.4	48.4
≥ 4500	53.0	44.0	46.7	48.3	49.1	49.2	49.6	49.8	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 4000	54.4	46.3	48.8	50.4	51.2	51.3	51.9	51.9	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 3500	55.2	48.2	50.4	52.1	52.9	53.0	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9
≥ 3000	57.3	50.3	52.7	54.3	55.1	55.2	55.8	55.8	55.8	55.9	56.1	56.1	56.1	56.2	56.2	56.2
≥ 2500	59.3	53.0	56.1	57.9	58.6	58.7	59.4	59.4	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7
≥ 2000	62.3	59.1	61.7	63.3	64.2	64.3	65.1	65.1	65.1	65.4	65.4	65.4	65.5	65.5	65.5	65.5
≥ 1800	65.1	62.0	64.6	66.3	67.4	67.6	68.2	68.2	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6
≥ 1500	69.7	68.1	71.0	73.3	74.3	74.7	75.4	75.5	75.5	75.6	75.7	75.8	75.9	75.9	75.9	75.9
≥ 1200	71.7	73.6	76.7	79.0	80.3	80.6	81.4	81.4	81.4	81.6	81.8	81.8	81.9	81.9	81.9	81.9
≥ 1000	72.9	77.5	81.0	83.4	84.8	85.1	85.9	86.1	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	73.4	79.4	83.0	85.7	87.1	87.5	88.7	89.0	89.0	89.4	89.4	89.4	89.5	89.5	89.5	89.5
≥ 800	73.6	81.6	85.5	88.3	90.0	90.5	91.9	92.3	92.3	92.6	92.7	92.7	92.9	92.9	92.9	92.9
≥ 700	73.8	82.3	86.8	90.0	91.8	92.3	93.9	94.3	94.3	94.8	94.9	94.8	95.0	95.0	95.0	95.0
≥ 600	73.8	82.6	87.5	91.0	92.9	93.5	95.3	95.7	95.7	96.2	96.2	96.2	96.4	96.4	96.4	96.4
≥ 500	73.8	82.8	87.7	91.3	93.2	94.0	95.9	96.3	96.6	97.0	97.1	97.1	97.3	97.3	97.3	97.3
≥ 400	73.8	82.8	87.8	91.4	93.6	94.4	96.7	97.3	97.4	97.9	97.9	97.9	98.2	98.2	98.3	98.3
≥ 300	73.8	82.9	87.8	91.5	93.8	94.6	96.9	97.7	97.9	98.7	98.8	98.8	99.1	99.1	99.2	99.2
≥ 200	73.8	82.9	87.8	91.5	93.8	94.7	96.9	97.8	97.9	98.9	99.0	99.0	99.2	99.2	99.3	99.3
≥ 100	73.8	82.9	87.8	91.5	93.8	94.7	96.9	97.8	97.9	98.9	99.0	99.0	99.2	99.2	100.0	100.0
≥ 0	73.8	82.9	87.8	91.5	93.8	94.7	96.9	97.8	97.9	98.9	99.0	99.0	99.2	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 177

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 SEATTLE [illegible] 19[illegible] [illegible]
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0700-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	38.5	39.3	40.0	40.1	40.2	40.3	40.3	40.3	40.3	40.3	[illegible]	[illegible]	40.3	40.3
≥ 20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 18000	[illegible]	40.3	41.6	42.6	43.4	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 16000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 14000	39.0	41.3	42.6	43.7	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 10000	[illegible]	[illegible]	45.8	46.8	47.6	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 8000	34.0	47.4	49.0	50.6	50.8	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[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]	[illegible]	[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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[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]	[illegible]	[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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[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]	[illegible]	[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 17[illegible]

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

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | Seattle-Tacoma Int'l STATION NAME | 1960 YEARS | Jul MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1800 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.3	56.6	49.3	49.4	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	54.2	54.2	54.0	54.2	54.6	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	55.3	55.6	54.4	54.7	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 16000	55.4	55.6	54.7	55.2	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000	56.0	56.0	55.6	56.1	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 12000	55.8	56.0	55.6	56.1	56.4	56.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	57.0	56.8	56.7	56.8	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000	57.1	56.9	56.8	56.9	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	59.5	59.0	64.1	64.7	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	63.2	63.0	67.3	67.9	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	69.0	68.8	69.3	69.9	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 5000	70.1	69.9	71.1	71.7	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	71.2	71.0	72.4	73.0	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	74.3	74.0	75.4	76.0	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3500	77.3	77.0	77.7	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	80.2	80.0	81.9	82.5	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	88.2	86.0	87.9	88.5	89.2	89.2	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	91.3	91.0	93.3	94.0	95.0	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	91.7	92.0	94.3	95.0	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	92.1	93.0	95.8	97.2	97.7	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	92.5	94.4	95.0	98.2	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	92.5	94.5	96.7	98.3	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	92.5	94.5	96.7	98.3	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	92.5	94.5	96.7	98.3	99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	92.5	94.5	96.7	98.3	99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	92.5	94.5	96.7	98.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	92.5	94.5	96.7	98.4	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.5	94.5	96.7	98.4	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.5	94.5	96.7	98.4	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.5	94.5	96.7	98.4	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.5	94.5	96.7	98.4	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	92.5	94.5	96.7	98.4	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 177

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

23244 STATION | [illegible] STATION NAME | One YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.6	54.7	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.3	55.3	55.3	55.3	55.3
≥ 20000	55.7	60.2	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	61.0
≥ 18000	55.8	60.6	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	55.8	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000	56.7	61.9	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 12000	56.8	62.0	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000	57.1	63.4	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 9000	61.3	67.7	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	64.9	71.9	72.1	72.2	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	65.7	74.0	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 6000	69.2	76.8	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	72.0	80.0	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	73.1	81.0	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	75.4	84.1	84.6	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	77.1	86.9	87.5	87.7	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 3000	79.9	90.3	90.9	91.2	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8
≥ 2500	81.3	93.3	94.0	94.3	94.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	93.3
≥ 2000	82.0	96.0	97.1	97.5	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	82.0	96.5	97.6	98.1	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	96.1
≥ 1500	82.9	96.6	98.0	98.5	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.1
≥ 1200	82.9	96.9	98.1	98.7	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.3
≥ 1000	82.9	97.1	98.3	98.9	99.6	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	82.9	97.1	98.3	98.9	99.6	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	82.9	97.1	98.3	98.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 700	82.9	97.1	98.3	98.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 600	82.9	97.1	98.3	98.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 500	82.9	97.1	98.3	98.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400	82.9	97.1	98.3	98.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	82.9	97.1	98.3	98.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	82.9	97.1	98.3	98.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	82.9	97.1	98.3	98.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	82.9	97.1	98.3	98.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 17.

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INC STATION NAME | 1964 YEARS | ANN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-2300 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.9	56.2	58.3	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
≥ 20000	57.9	59.1	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 18000	59.2	60.0	60.2	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 16000	59.4	60.2	60.3	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
≥ 14000	59.4	60.0	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 12000	59.7	60.5	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 10000	62.0	66.0	66.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	63.3	67.9	68.1	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
≥ 8000	66.1	71.1	71.3	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	68.0	74.1	74.3	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 6000	70.1	76.0	76.2	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	73.3	79.0	80.1	80.6	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500	74.5	81.4	81.7	82.2	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	77.3	83.1	83.5	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4
≥ 3500	78.9	88.0	88.5	89.1	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3000	80.6	90.0	91.4	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	91.4	93.0	93.7	94.5	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	94.9	94.9	95.5	96.4	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	95.5	95.9	96.5	97.2	97.4	97.4	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	95.9	96.1	97.1	98.0	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	96.0	96.5	97.6	98.5	98.6	98.6	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	96.0	96.6	97.7	98.7	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	96.0	96.7	97.9	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 800	96.0	96.8	98.0	98.9	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	96.0	96.9	98.1	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	96.0	96.9	98.1	99.0	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	96.0	96.9	98.1	99.0	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	96.0	96.9	98.1	99.0	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	96.0	96.9	98.1	99.0	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	96.0	96.9	98.1	99.0	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	96.0	96.9	98.1	99.0	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	96.0	96.9	98.1	99.0	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 17 1

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INTL STATION NAME | 1966 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.1	59.1	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000	57.5	62.2	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	57.6	62.3	62.6	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
≥ 16000	57.0	62.4	62.8	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	57.8	62.1	63.1	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 12000	57.1	64.0	64.3	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 10000	60.1	65.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	60.8	66.0	67.0	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	64.0	70.5	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 7000	66.0	73.2	73.6	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
≥ 6000	67.8	75.1	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 5000	69.9	78.4	78.8	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4500	71.4	80.5	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	73.7	83.1	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	84.6
≥ 3500	75.1	85.9	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	76.8	88.5	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	77.8	90.5	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	79.3	92.0	93.9	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	80.0	93.1	94.9	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	81.0	96.1	97.3	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
≥ 1200	81.9	96.6	98.1	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	81.9	97.1	98.4	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	81.9	97.2	98.6	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	81.9	97.3	98.7	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	81.9	97.3	98.7	99.3	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	81.9	97.3	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	81.9	97.3	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	81.9	97.3	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	81.9	97.3	98.7	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	81.9	97.3	98.7	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	81.9	97.3	98.7	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	81.9	97.3	98.7	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 177

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 (STATION) SEATTLE WASHINGTON PBL (STATION NAME) 49-52 (YEARS) ANN. (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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.0	46.0	48.7	49.3	49.6	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.8
≥ 20000	44.2	51.0	51.8	52.4	52.7	52.8	52.9	53.0	53.0	53.0	53.1	53.0	53.0	53.0	53.0	53.0
≥ 18000	44.3	51.2	52.0	52.6	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000	44.4	51.3	52.1	52.7	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	44.8	51.9	52.8	53.4	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0
≥ 12000	46.0	53.6	54.4	55.1	55.4	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	47.3	55.3	56.2	56.9	57.2	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	48.2	56.4	57.3	58.0	58.3	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	50.6	59.3	60.4	61.1	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000	52.8	62.0	63.0	63.7	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4
≥ 6000	54.1	63.7	64.7	65.4	65.8	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000	56.2	66.4	67.5	68.2	68.6	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4500	57.6	68.1	69.2	69.9	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7
≥ 4000	59.0	70.7	71.8	72.5	73.0	73.0	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	61.3	73.2	74.4	75.1	75.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
≥ 3000	63.3	76.1	77.4	78.1	78.6	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500	65.3	79.0	80.9	81.8	82.2	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	68.0	83.8	85.2	86.2	86.7	86.8	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	69.1	85.4	86.9	88.0	88.5	88.5	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	70.8	88.6	90.3	91.4	92.0	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1200	71.9	90.7	92.5	93.6	94.5	94.6	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	72.1	91.9	93.9	95.2	96.0	96.1	96.4	96.5	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7
≥ 900	72.2	92.3	94.4	95.8	96.7	96.8	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	72.3	92.7	95.0	96.4	97.3	97.5	97.9	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	72.3	93.1	95.3	96.9	97.9	98.0	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	72.3	93.2	95.5	97.1	98.1	98.3	98.8	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 500	72.3	93.2	95.5	97.2	98.2	98.5	99.0	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	72.3	93.2	95.6	97.2	98.3	98.6	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 300	72.3	93.2	95.6	97.3	98.4	98.6	99.3	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 200	72.3	93.2	95.6	97.3	98.4	98.6	99.3	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	72.3	93.2	95.6	97.3	98.4	98.6	99.3	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	72.3	93.2	95.6	97.3	98.4	98.6	99.3	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE, WASHINGTON (C) STATION NAME | [illegible] YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.9	49.3	50.0	51.0	52.5	52.6	53.3	53.2	53.2	53.3	53.4	53.5	53.6	53.6	53.6	53.6
≥ 20000	57.2	50.2	52.0	54.0	54.7	54.7	55.2	55.1	55.3	55.5	55.5	55.5	55.7	55.7	55.7	55.7
≥ 18000	57.2	50.3	52.2	54.2	54.9	55.0	55.5	55.0	55.0	55.7	55.8	55.9	56.0	56.0	56.0	56.0
≥ 16000	57.2	50.3	52.2	54.2	54.9	55.0	55.5	55.0	55.0	55.7	55.8	55.9	56.0	56.0	56.0	56.0
≥ 14000	57.5	50.8	52.7	54.7	55.4	55.5	56.0	56.1	56.1	56.3	56.4	56.5	56.6	56.6	56.6	56.6
≥ 12000	58.4	52.0	54.0	56.0	56.8	56.9	57.4	57.5	57.5	57.6	57.7	57.7	57.9	57.9	57.9	57.9
≥ 10000	59.4	54.4	56.4	58.5	59.3	59.4	59.9	60.0	60.0	60.1	60.2	60.2	60.4	60.4	60.4	60.4
≥ 9000	60.2	55.5	57.5	59.7	60.5	60.6	61.1	61.2	61.2	61.3	61.4	61.4	61.6	61.6	61.6	61.6
≥ 8000	62.1	58.1	60.7	62.9	63.9	64.0	64.5	64.7	64.7	64.9	64.9	65.0	65.1	65.1	65.1	65.1
≥ 7000	64.5	61.0	63.0	65.2	66.2	66.3	66.8	67.0	67.0	67.1	67.1	67.1	67.3	67.3	67.3	67.4
≥ 6000	65.3	62.5	64.5	66.8	67.8	67.9	68.4	68.5	68.5	68.6	68.7	68.7	68.9	68.9	68.9	69.0
≥ 5000	67.0	64.2	66.9	69.1	70.2	70.3	70.9	70.9	70.9	71.0	71.1	71.1	71.3	71.3	71.4	71.5
≥ 4500	68.4	66.0	68.5	70.9	71.9	72.0	72.5	72.6	72.6	72.8	72.9	72.9	73.0	73.0	73.0	73.0
≥ 4000	69.5	66.2	70.3	72.5	73.6	73.7	74.2	74.3	74.3	74.4	74.5	74.5	74.7	74.7	74.7	74.7
≥ 3500	70.6	70.0	72.7	74.9	76.0	76.1	76.7	76.8	76.8	76.9	77.0	77.0	77.2	77.2	77.2	77.2
≥ 3000	71.9	72.3	74.5	76.9	77.9	78.0	78.6	78.7	78.7	78.8	78.9	78.9	79.1	79.1	79.1	79.1
≥ 2500	72.9	75.3	77.6	80.1	81.3	81.4	82.0	82.1	82.1	82.2	82.2	82.2	82.5	82.5	82.5	82.5
≥ 2000	74.6	79.0	81.5	84.0	85.3	85.5	86.0	86.1	86.1	86.4	86.5	86.5	86.7	86.7	86.7	86.7
≥ 1800	75.0	80.1	82.7	85.2	86.6	86.7	87.2	87.4	87.4	87.6	87.7	87.7	87.9	87.9	87.9	87.9
≥ 1500	77.0	82.0	85.5	88.2	89.5	89.7	90.2	90.3	90.3	90.6	90.7	90.7	90.9	90.9	90.9	90.9
≥ 1200	78.0	85.2	88.3	91.1	92.8	92.9	93.4	93.6	93.6	93.9	93.9	93.9	94.1	94.1	94.1	94.1
≥ 1000	78.4	86.3	89.7	92.6	94.3	94.5	95.2	95.3	95.3	95.6	95.7	95.7	95.9	95.9	95.9	95.9
≥ 900	78.4	86.6	90.1	93.2	94.8	95.0	95.7	95.9	95.9	96.1	96.2	96.2	96.4	96.4	96.4	96.4
≥ 800	78.6	86.9	90.6	93.7	95.5	95.6	96.4	96.6	96.6	96.8	96.9	96.9	97.2	97.2	97.2	97.2
≥ 700	78.7	87.1	90.9	94.1	95.9	96.1	96.9	97.1	97.1	97.4	97.4	97.4	97.7	97.7	97.7	97.7
≥ 600	78.7	87.1	90.9	94.1	95.9	96.1	97.0	97.2	97.2	97.5	97.5	97.5	97.8	97.8	97.8	97.8
≥ 500	78.7	87.2	90.9	94.1	96.0	96.3	97.3	97.5	97.5	97.6	97.8	97.8	98.1	98.1	98.1	98.1
≥ 400	78.7	87.2	90.9	94.2	96.0	96.3	97.5	97.6	97.6	97.9	98.0	98.0	98.3	98.3	98.3	98.3
≥ 300	78.7	87.2	90.9	94.2	96.1	96.4	97.6	97.8	97.8	98.1	98.2	98.2	98.5	98.5	98.5	98.5
≥ 200	78.7	87.2	90.9	94.2	96.1	96.4	97.7	97.9	97.9	98.2	98.3	98.3	98.6	98.6	98.6	98.6
≥ 100	78.7	87.2	90.9	94.2	96.1	96.4	97.7	97.9	97.9	98.2	98.3	98.3	98.6	98.6	98.6	98.6
0	78.7	87.2	90.9	94.2	96.1	96.4	97.7	97.9	97.9	98.2	98.3	98.3	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 1764

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INTL STATION NAME | [illegible] YEARS | SEP 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.3	34.5	36.2	38.2	39.7	39.9	40.3	40.7	41.0	41.3	41.3	41.4	41.5	41.7	41.8	41.5
≥ 20000	23.3	35.4	37.0	39.1	41.3	41.3	42.4	42.5	42.6	42.8	42.9	42.9	43.1	43.3	43.4	43.4
≥ 18000	23.4	36.0	37.7	39.9	41.4	41.6	42.5	42.6	42.7	42.9	43.1	43.0	43.2	43.4	43.5	43.3
≥ 16000	23.5	36.2	37.9	40.1	41.6	41.8	42.7	42.8	42.9	43.2	43.3	43.3	43.4	43.6	43.8	43.6
≥ 14000	23.7	36.6	38.3	40.5	42.1	42.3	43.2	43.3	43.4	43.7	43.8	43.8	44.0	44.2	44.3	44.3
≥ 12000	24.1	37.2	39.1	41.3	43.0	43.2	44.1	44.2	44.3	45.2	45.3	45.3	45.5	45.7	45.8	45.8
≥ 10000	26.0	39.8	41.9	43.9	45.4	45.6	46.6	46.7	46.8	47.1	47.2	47.2	47.4	47.6	47.7	47.7
≥ 9000	27.3	41.1	43.3	45.4	46.9	47.1	48.1	48.2	48.3	48.6	48.7	48.7	48.9	49.1	49.2	49.1
≥ 8000	29.0	44.0	46.3	48.5	50.1	50.4	51.3	51.4	51.5	51.7	51.8	51.8	52.0	52.2	52.4	52.4
≥ 7000	30.1	45.6	47.9	50.1	51.7	51.9	52.8	53.0	53.1	53.3	53.4	53.4	53.6	53.8	54.0	54.0
≥ 6000	31.2	47.2	49.1	51.3	53.3	53.5	54.5	54.6	54.7	54.9	55.1	55.1	55.2	55.5	55.8	55.8
≥ 5000	32.4	48.5	51.3	53.4	55.7	55.9	56.9	57.0	57.1	57.4	57.5	57.5	57.6	57.9	58.0	58.0
≥ 4500	34.3	51.1	53.5	56.1	57.9	58.2	59.1	59.3	59.4	59.6	59.7	59.7	59.9	60.1	60.2	60.2
≥ 4000	35.4	53.0	55.5	58.3	60.1	60.3	61.3	61.4	61.6	61.8	61.9	61.9	62.1	62.3	62.4	62.4
≥ 3500	37.1	56.5	58.4	61.0	62.9	63.2	64.2	64.3	64.4	64.7	64.8	64.8	64.9	65.2	65.3	65.3
≥ 3000	38.7	59.1	61.1	64.4	66.3	66.6	67.6	67.7	67.8	68.0	68.2	68.2	68.4	68.6	68.7	68.7
≥ 2500	40.2	62.8	64.8	67.6	69.6	69.8	71.0	71.1	71.3	71.6	71.7	71.7	71.8	72.1	72.2	72.2
≥ 2000	42.2	66.2	68.3	71.3	73.3	73.6	74.7	74.9	75.0	75.4	75.5	75.5	75.7	75.9	76.0	76.0
≥ 1800	42.6	67.4	69.5	72.5	74.5	74.8	75.9	76.1	76.2	76.6	76.7	76.7	77.0	77.2	77.2	77.2
≥ 1500	43.9	69.6	72.2	75.3	77.4	77.7	78.9	79.0	79.1	79.5	79.7	79.7	79.8	80.1	80.2	80.2
≥ 1200	44.7	72.2	74.9	78.1	80.2	80.5	81.6	81.8	82.0	82.4	82.5	82.5	82.6	82.9	83.0	83.0
≥ 1000	45.1	73.6	76.7	80.1	82.2	82.5	83.7	84.0	84.1	84.5	84.6	84.6	84.8	85.0	85.1	85.1
≥ 900	45.3	74.7	77.8	81.2	83.4	83.7	85.0	85.3	85.4	85.9	86.0	86.0	86.1	86.4	86.5	86.5
≥ 800	45.3	75.0	78.8	82.6	84.8	85.2	86.6	86.8	87.0	87.5	87.6	87.6	87.8	88.0	88.2	88.2
≥ 700	45.5	75.9	79.1	83.2	85.5	85.9	87.4	87.7	87.9	88.4	88.6	88.6	88.8	89.0	89.1	89.1
≥ 600	45.6	76.1	79.5	83.6	85.9	86.4	87.9	88.2	88.3	88.9	89.1	89.0	89.2	89.5	89.6	89.6
≥ 500	45.6	76.6	80.1	84.2	86.8	87.2	89.0	89.4	89.5	90.0	90.2	90.2	90.3	90.6	90.7	90.7
≥ 400	45.6	76.6	80.2	84.3	87.2	87.6	89.4	90.3	90.4	91.0	91.2	91.2	91.4	91.7	91.8	91.8
≥ 300	45.6	76.6	80.3	84.8	87.6	88.4	90.7	91.1	91.3	92.0	92.2	92.2	92.4	92.7	92.8	92.8
≥ 200	45.6	76.6	80.3	84.8	87.7	88.4	91.1	91.4	91.6	92.3	92.5	92.5	92.7	93.0	93.1	93.1
≥ 100	45.6	76.6	80.3	84.8	87.8	88.5	91.4	91.7	92.0	92.6	92.9	92.9	93.0	93.3	93.4	93.4
≥ 0	45.6	76.6	80.3	84.8	87.8	88.5	91.4	91.8	92.0	92.7	93.0	93.1	93.2	93.5	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON STATION NAME | 49-69 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2300 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	10.1	20.3	22.5	24.7	25.7	26.7	27.6	28.0	28.0	28.7	29.1	29.0	29.4	29.5	29.7	29.7
	12.1	22.1	24.3	26.7	28.7	28.1	29.9	30.3	30.3	31.0	31.3	31.4	31.8	31.9	32.1	32.1
≥ 18000 16000	12.1	22.2	24.4	26.8	28.7	28.8	30.0	30.4	30.4	31.0	31.3	31.4	31.8	32.0	32.1	32.1
	12.5	22.6	24.8	27.2	29.1	29.2	30.4	30.8	30.8	31.4	31.7	31.8	32.2	32.4	32.5	32.5
≥ 14000 12000	12.7	22.9	25.1	27.5	29.4	29.5	30.7	31.1	31.1	31.7	32.1	32.2	32.6	32.8	32.9	32.9
	13.2	23.4	25.6	27.9	31.1	31.2	32.5	32.9	32.9	33.5	33.9	33.7	34.3	34.4	34.6	34.6
≥ 10000 9000	14.9	25.3	28.2	30.9	33.1	33.2	34.4	34.8	34.8	35.5	35.7	35.8	36.3	36.4	36.6	36.6
	15.0	26.4	28.9	31.6	33.8	33.9	35.1	35.5	35.5	36.1	36.4	36.5	37.0	37.1	37.2	37.2
≥ 8000 7000	17.5	27.5	32.0	35.0	37.2	37.4	38.5	38.9	38.9	39.5	39.7	39.9	40.3	40.3	40.7	40.7
	19.5	30.0	33.2	36.2	38.4	38.5	39.8	40.2	40.2	40.9	41.1	41.3	41.7	41.8	42.0	42.0
≥ 6000 5000	19.9	32.0	34.6	37.6	40.1	40.1	41.9	42.6	42.6	43.2	43.4	43.6	44.0	44.1	43.7	43.7
	20.1	34.0	36.7	40.1	42.3	42.4	43.7	44.3	44.3	44.7	45.0	45.3	45.7	45.8	46.0	46.0
≥ 4500 4000	22.1	36.0	38.6	42.1	44.3	44.4	45.8	46.3	46.3	46.9	47.2	47.3	47.7	47.8	48.0	48.0
	23.2	38.9	41.0	44.4	46.7	46.7	48.2	48.8	48.8	49.3	49.7	49.7	50.1	50.2	50.4	50.4
≥ 3500 3000	24.9	40.5	43.2	46.7	48.9	49.0	50.4	50.9	50.9	51.5	51.9	51.9	52.3	52.4	52.6	52.6
	25.1	43.1	45.8	49.3	51.6	51.6	53.0	53.5	53.5	54.1	54.5	54.5	54.9	55.1	55.3	55.3
≥ 2500 2000	27.5	46.4	49.3	53.0	55.3	55.4	56.9	57.3	57.3	57.9	58.2	58.3	58.7	58.9	59.1	59.1
	29.3	50.1	53.2	57.1	59.4	59.5	61.0	61.5	61.5	62.1	62.4	62.5	62.9	63.0	63.3	63.3
≥ 1800 1500	30.0	51.9	55.1	58.9	61.4	61.5	63.0	63.5	63.5	64.1	64.5	64.6	65.0	65.1	65.3	65.3
	32.1	55.5	58.9	63.0	65.6	65.7	67.3	67.8	67.8	68.4	68.7	68.9	69.4	69.4	69.6	69.6
≥ 1200 1000	32.7	57.4	61.0	65.3	68.1	68.3	70.1	70.7	70.7	71.5	71.9	71.7	72.3	72.4	72.6	72.
	33.4	59.4	63.7	68.2	71.3	71.6	73.7	74.3	74.3	75.1	75.3	75.5	76.0	76.1	76.3	76.
≥ 900 800	33.5	59.9	64.3	69.0	72.3	72.7	75.0	75.7	75.7	76.5	76.9	77.0	77.5	77.6	77.8	77.
	33.5	60.3	64.9	69.8	73.5	74.0	76.7	77.5	77.5	78.3	78.7	78.9	79.3	79.4	79.7	79.7
≥ 700 600	33.5	60.5	65.4	70.5	74.4	75.0	77.8	78.6	78.6	79.5	79.9	80.1	80.6	80.7	81.0	81.0
	33.5	60.6	65.5	70.9	74.9	76.0	79.0	79.8	79.8	80.9	81.4	81.5	82.1	82.2	82.5	82.5
≥ 500 400	33.7	61.0	66.1	71.7	75.8	77.0	80.3	81.3	81.3	82.8	83.2	83.3	84.1	84.2	84.5	84.5
	33.7	61.1	66.3	72.1	76.6	77.9	81.8	83.1	83.1	84.7	85.2	85.3	86.3	86.4	86.7	86.7
≥ 300 200	33.7	61.2	66.4	72.4	77.0	78.4	82.3	84.3	84.3	86.0	87.3	87.4	88.6	88.7	89.0	89.0
	33.7	61.2	66.5	72.5	77.1	78.6	83.3	84.9	84.9	87.3	88.6	88.8	90.2	90.3	90.6	90.6
≥ 100 0	33.7	61.2	66.5	72.5	77.1	78.6	83.6	85.2	85.2	88.0	89.1	89.3	91.4	91.5	91.8	91.8
	33.7	61.2	66.5	72.5	77.1	78.6	83.6	85.2	85.2	88.0	89.3	89.5	91.8	91.9	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS 174

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | [illegible] STATION NAME | [illegible] YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.1	40.5	43.0	35.2	37.6	37.9	38.4	39.0	38.6	38.8	39.1	39.1	39.2	39.2	39.2	39.2
≥ 20000	41.8	44.4	47.3	44.7	42.2	42.5	43.1	43.3	43.3	43.5	43.7	43.9	44.0	44.0	44.0	44.0
≥ 18000	41.9	44.0	47.5	39.9	42.4	42.6	43.3	43.5	43.5	43.7	44.0	44.0	44.1	44.1	44.1	44.1
≥ 16000	42.0	44.1	47.6	40.1	42.5	42.8	43.4	43.7	43.7	43.9	44.2	44.2	44.3	44.3	44.3	44.3
≥ 14000	42.5	45.2	48.4	40.8	43.3	43.6	44.2	44.4	44.4	44.7	44.9	44.9	45.1	45.1	45.1	45.1
≥ 12000	42.6	45.3	48.7	42.2	44.3	45.1	45.7	46.0	46.0	46.2	46.5	46.5	46.6	46.6	46.6	46.6
≥ 10000	44.3	46.8	49.5	44.3	47.2	47.8	48.2	48.4	48.4	48.7	49.0	49.0	49.1	49.1	49.1	49.1
≥ 9000	45.3	48.7	51.0	45.4	48.4	48.9	49.3	49.7	49.7	50.0	50.3	50.3	50.4	50.4	50.4	50.4
≥ 8000	47.2	49.2	52.0	46.9	51.5	51.7	52.5	52.8	52.8	53.0	53.3	53.3	53.4	53.4	53.4	53.4
≥ 7000	48.3	50.8	53.5	50.3	53.0	53.4	54.1	54.3	54.3	54.6	54.8	54.9	55.0	55.0	55.0	55.0
≥ 6000	48.7	50.7	54.1	51.1	53.7	54.3	54.9	55.1	55.1	55.5	55.7	55.7	55.8	55.8	55.8	55.8
≥ 5000	49.1	50.8	54.1	53.1	55.8	56.3	57.0	57.2	57.2	57.6	57.8	57.9	58.1	58.1	58.1	58.1
≥ 4500	50.9	52.9	56.5	54.5	57.2	57.7	58.4	58.6	58.6	59.0	59.2	59.3	59.5	59.5	59.5	59.5
≥ 4000	51.8	53.7	57.3	56.3	59.0	59.5	60.4	60.5	60.6	61.0	61.3	61.3	61.5	61.5	61.5	61.5
≥ 3500	53.5	55.4	59.0	59.9	62.6	63.2	64.1	64.3	64.4	64.7	65.0	65.0	65.2	65.2	65.2	65.2
≥ 3000	55.3	58.2	62.0	63.2	66.0	66.5	67.4	67.7	67.7	68.1	68.4	68.4	68.6	68.6	68.6	68.6
≥ 2500	57.2	59.6	63.7	67.2	70.1	70.6	71.6	71.9	71.9	72.3	72.6	72.6	72.8	72.8	72.8	72.8
≥ 2000	59.1	62.1	66.3	72.0	75.1	75.8	76.5	77.0	77.0	77.4	77.6	77.6	77.9	77.9	77.9	77.9
≥ 1800	60.1	63.6	69.9	75.1	77.0	77.5	78.6	79.0	79.0	79.4	79.7	79.7	79.9	79.9	79.9	79.9
≥ 1500	61.3	64.9	73.7	77.8	81.1	81.8	82.9	83.3	83.3	83.8	84.1	84.1	84.3	84.3	84.3	84.3
≥ 1200	61.8	70.7	76.0	80.7	84.3	85.1	86.3	86.7	86.7	87.2	87.5	87.5	87.6	87.6	87.8	87.8
≥ 1000	62.0	72.0	77.5	82.5	86.3	87.2	88.4	89.1	89.1	89.7	90.0	90.1	90.3	90.3	90.3	90.3
≥ 900	62.0	72.1	77.9	83.2	87.3	88.3	89.9	90.5	90.9	91.1	91.4	91.5	91.7	91.7	91.7	91.7
≥ 800	62.0	72.5	78.6	84.3	88.9	89.9	91.7	92.4	92.4	93.2	93.4	93.5	93.9	93.9	93.9	93.9
≥ 700	62.0	72.5	78.7	84.4	89.2	90.3	92.4	93.1	93.1	93.9	94.3	94.4	94.6	94.6	94.6	94.6
≥ 600	62.0	72.5	78.8	84.7	89.5	90.7	93.1	93.9	93.9	94.8	95.2	95.3	95.6	95.6	95.6	95.6
≥ 500	62.0	72.5	78.8	84.7	89.7	90.9	94.0	95.1	95.1	96.1	96.7	96.7	97.2	97.2	97.2	97.2
≥ 400	62.0	72.5	78.8	84.7	89.8	91.0	94.2	95.7	95.7	96.8	97.3	97.4	98.2	98.2	98.2	98.2
≥ 300	62.0	72.5	78.8	84.7	89.8	91.0	94.2	95.7	95.7	97.0	97.5	97.6	98.3	98.3	98.3	98.3
≥ 200	62.0	72.5	78.9	84.8	89.8	91.1	94.3	95.7	95.8	97.0	97.6	97.7	98.4	98.4	98.4	98.4
≥ 100	62.0	72.5	78.9	84.8	89.8	91.1	94.3	95.8	95.9	97.1	97.9	97.9	98.5	98.5	98.5	98.5
≥ 0	62.0	72.5	78.9	84.8	89.8	91.1	94.3	95.8	95.9	97.1	97.9	97.9	98.5	98.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17+

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 (STATION) SEATTLE WASHINGTON, W (STATION NAME) 1945-1965 (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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.0	41.0	44.8	46.0	47.0	47.8	48.0	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	54.8	48.1	50.1	52.1	53.3	54.0	53.9	54.1	54.1	54.2	54.2	54.3	54.4	54.4	54.4	54.4
≥ 18000	54.9	48.0	50.2	52.3	53.4	53.6	54.0	54.3	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.5
≥ 16000	55.0	48.2	50.3	52.4	53.5	53.7	54.1	54.3	54.3	54.4	54.4	54.5	54.6	54.6	54.6	54.6
≥ 14000	55.2	47.1	51.1	53.2	54.3	54.5	54.9	55.1	55.1	55.2	55.2	55.3	55.4	55.4	55.4	55.4
≥ 12000	56.0	48.9	52.1	54.5	55.7	55.9	56.1	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8
≥ 10000	57.3	50.0	54.4	56.6	57.9	58.3	58.4	59.0	59.0	59.1	59.1	59.1	59.3	59.3	59.3	59.3
≥ 9000	58.1	52.3	56.0	58.3	59.6	60.0	60.5	60.7	60.7	60.9	60.9	60.9	61.0	61.0	61.0	61.0
≥ 8000	61.0	55.4	59.1	61.4	62.7	63.1	63.3	63.7	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.1
≥ 7000	62.4	57.6	61.6	64.0	65.2	65.6	66.1	66.4	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7
≥ 6000	63.0	58.9	62.3	65.0	66.6	67.0	67.5	67.7	67.7	67.9	67.9	67.9	68.1	68.1	68.1	68.1
≥ 5000	66.3	61.0	64.9	67.4	68.7	69.1	69.5	69.8	69.8	70.1	70.1	70.1	70.2	70.2	70.2	70.2
≥ 4500	69.3	64.0	68.0	69.0	70.3	70.7	71.2	71.4	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8
≥ 4000	69.4	65.4	69.0	72.1	73.3	73.7	74.3	74.5	74.5	74.7	74.7	74.7	74.9	74.9	74.9	74.9
≥ 3500	69.4	66.2	70.7	73.4	74.8	77.2	77.8	78.0	78.0	78.3	78.3	78.3	78.4	78.4	78.4	78.4
≥ 3000	72.2	73.0	77.4	80.2	81.6	82.0	82.6	82.8	82.8	83.1	83.1	83.1	83.3	83.3	83.3	83.3
≥ 2500	74.1	76.4	81.1	84.0	85.5	86.0	86.6	86.9	86.9	87.2	87.2	87.2	87.4	87.4	87.4	87.4
≥ 2000	75.0	79.9	84.4	87.3	89.0	89.5	90.1	90.4	90.4	90.7	90.7	90.7	90.9	90.9	90.9	90.9
≥ 1800	76.4	80.3	85.8	88.9	90.5	91.0	91.6	91.9	91.9	92.2	92.2	92.2	92.4	92.4	92.4	92.4
≥ 1500	81.2	82.4	88.2	91.0	93.3	93.9	94.7	95.0	95.0	95.3	95.3	95.3	95.5	95.5	95.5	95.5
≥ 1200	81.3	82.7	89.0	92.6	94.4	95.0	95.9	96.2	96.2	96.6	96.6	96.6	96.8	96.8	96.8	96.8
≥ 1000	81.3	83.2	89.3	93.3	95.3	96.0	97.1	97.5	97.5	98.0	98.0	98.0	98.2	98.2	98.2	98.2
≥ 900	81.3	83.2	89.3	93.4	95.6	96.3	97.5	97.9	97.9	98.6	98.6	98.6	98.7	98.7	98.7	98.7
≥ 800	81.4	83.3	89.6	93.7	95.9	96.9	98.1	98.7	98.7	99.5	99.5	99.5	99.7	99.7	99.7	99.7
≥ 700	81.4	83.3	89.6	93.8	96.3	97.0	98.4	98.8	98.8	99.6	99.6	99.7	99.8	99.8	99.8	99.8
≥ 600	81.4	83.3	89.6	93.8	96.3	97.0	98.4	98.9	98.9	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 500	81.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	99.7	99.7	99.8	99.9	99.9	99.9	99.9
≥ 400	81.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	99.7	99.7	99.8	100.0	100.0	100.0	100.0
≥ 300	81.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	99.7	99.7	99.8	100.0	100.0	100.0	100.0
≥ 200	81.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	99.7	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100	81.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	99.7	99.8	99.8	100.0	100.0	100.0	100.0
≥ 0	81.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17..

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON FAC STATION NAME | 49-55 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL OBS 0700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.0	56.4	49.7	50.7	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	43.0	39.1	33.6	30.6	27.8	27.6	27.5	27.0	26.0	26.0	26.0	26.0	26.1	26.1	26.1	26.1
≥ 18000	43.1	39.2	33.7	30.6	27.9	27.9	26.7	26.0	26.0	26.1	26.1	26.1	26.2	26.2	26.2	26.2
≥ 16000	43.3	39.4	33.9	31.1	28.1	28.2	28.4	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 14000	43.9	39.2	33.8	30.8	29.0	29.1	29.2	29.3	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4
≥ 12000	43.9	39.2	33.8	30.8	29.0	29.1	29.2	29.3	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4
≥ 10000	47.2	39.9	31.7	29.4	29.0	29.1	29.2	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 9000	48.0	41.2	32.9	29.3	29.5	29.6	29.7	29.7	29.7	29.8	29.8	29.8	29.9	29.9	29.9	29.9
≥ 8000	50.2	44.9	36.1	32.5	28.7	28.8	28.9	29.0	29.0	29.0	29.0	29.0	29.1	29.1	29.1	29.1
≥ 7000	53.2	47.6	39.1	35.1	32.2	32.4	32.5	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 6000	54.7	49.4	41.3	37.1	35.9	36.0	36.1	36.1	36.1	36.2	36.2	36.2	36.3	36.3	36.3	36.3
≥ 5000	56.9	52.3	44.4	39.8	37.0	37.1	37.2	37.2	37.2	37.3	37.3	37.3	37.4	37.4	37.4	37.4
≥ 4500	57.4	53.3	45.3	40.6	37.9	38.0	38.2	38.2	38.2	38.3	38.4	38.3	38.3	38.3	38.3	38.3
≥ 4000	59.4	55.3	48.4	43.0	40.2	40.3	40.4	40.5	40.5	40.6	40.6	40.5	40.6	40.6	40.6	40.6
≥ 3500	61.9	58.2	52.1	48.8	45.0	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4
≥ 3000	63.7	59.3	53.4	47.2	48.4	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8
≥ 2500	64.1	60.0	54.3	50.2	21.7	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2
≥ 2000	72.9	68.1	60.5	52.5	94.2	94.3	94.8	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.1
≥ 1800	96.2	48.0	91.2	93.4	95.1	95.2	95.7	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.1
≥ 1500	96.0	90.2	92.6	94.9	96.6	96.7	97.4	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
≥ 1200	96.7	90.7	93.4	95.6	97.5	97.8	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	96.7	90.7	93.4	95.8	97.7	97.9	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	96.7	90.7	93.4	96.0	98.0	98.2	99.0	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 800	97.1	90.9	93.6	96.1	98.3	98.6	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 700	96.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600	96.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500	96.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	96.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	96.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	96.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	96.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	96.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INTL A STATION NAME | 49-59 YEARS | 07 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1810-2000 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.2	50.0	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4
≥ 20000	44.2	55.3	57.3	58.7	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3
≥ 18000	44.3	55.3	57.4	58.8	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.5
≥ 16000	44.3	55.3	57.4	58.8	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.5
≥ 14000	44.8	56.2	58.2	59.5	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.3
≥ 12000	45.8	57.4	59.3	61.0	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6
≥ 10000	47.0	59.9	62.0	63.7	64.9	64.9	64.7	64.7	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3
≥ 9000	48.0	61.3	63.5	65.2	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8
≥ 8000	51.8	65.2	67.5	69.4	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0
≥ 7000	54.2	68.9	71.2	73.0	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
≥ 6000	55.1	70.6	73.2	75.0	75.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9
≥ 5000	57.3	73.5	75.9	77.9	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7
≥ 4500	59.5	75.4	77.7	79.6	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
≥ 4000	59.9	77.5	80.1	82.1	82.5	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0
≥ 3500	62.0	80.3	83.4	85.5	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3
≥ 3000	62.3	83.0	85.8	88.2	88.6	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.2
≥ 2500	64.1	85.3	88.8	91.2	91.8	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
≥ 2000	64.7	87.2	90.8	93.3	94.0	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.0
≥ 1800	65.0	87.7	91.4	94.0	94.7	94.9	95.4	95.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.6
≥ 1500	65.3	88.8	92.6	95.2	96.0	96.3	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1
≥ 1200	65.3	89.3	93.2	95.9	96.8	97.1	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.9
≥ 1000	65.3	89.8	93.7	96.5	97.4	97.8	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.8
≥ 900	65.3	90.1	94.0	96.9	97.8	98.1	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.2
≥ 800	65.3	90.2	94.2	97.2	98.0	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 700	65.3	90.2	94.2	97.2	98.1	98.4	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.7
≥ 600	65.3	90.2	94.2	97.2	98.2	98.6	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8
≥ 500	65.3	90.2	94.2	97.2	98.2	98.7	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 400	65.3	90.2	94.2	97.2	98.2	98.7	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 300	65.3	90.2	94.2	97.2	98.2	98.7	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 200	65.3	90.2	94.2	97.2	98.2	98.7	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 100	65.3	90.2	94.2	97.2	98.2	98.7	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
0	65.3	90.2	94.2	97.2	98.2	98.7	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 17..

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INTL STATION NAME | 40-56 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2200 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	< 0
NO CEILING	56.1	56.2	56.4	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	42.9	35.8	36.8	36.2	39.0	39.2	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 18000	43.0	35.9	37.1	38.5	39.3	39.5	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 16000	43.1	36.1	37.3	38.7	39.5	39.7	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 14000	43.3	36.1	37.9	39.3	40.1	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 12000	44.2	37.1	39.0	40.4	41.2	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000	45.9	39.9	41.2	42.6	43.6	43.8	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 9000	47.2	41.0	43.0	44.4	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 8000	57.5	55.1	57.2	68.7	69.3	69.9	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	58.8	59.0	70.5	72.1	73.1	73.4	73.6	73.6	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000	59.1	70.5	72.6	73.6	74.7	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 5000	59.3	72.1	74.3	75.9	77.0	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4500	59.1	74.2	75.9	77.5	78.6	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4000	57.8	76.3	77.0	79.7	80.7	81.0	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3
≥ 3500	59.9	79.4	81.0	82.6	83.7	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	61.0	81.1	83.1	84.9	86.0	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	62.2	84.0	86.1	88.3	89.4	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	63.4	86.0	88.1	91.1	92.2	92.5	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1800	63.8	87.3	89.9	92.2	93.4	93.7	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1500	64.3	88.9	91.5	93.9	95.1	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	64.5	90.1	93.2	95.7	97.1	97.4	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	64.7	90.1	93.7	96.4	97.9	98.2	98.4	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	64.7	90.9	94.0	96.7	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3
≥ 800	64.7	91.0	94.1	97.0	98.6	98.9	99.3	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	64.7	91.0	94.2	97.1	98.7	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8
≥ 600	64.7	91.0	94.2	97.1	98.7	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8
≥ 500	64.7	91.0	94.2	97.1	98.7	99.1	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	64.7	91.0	94.2	97.1	98.7	99.1	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	64.7	91.0	94.2	97.1	98.7	99.1	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	64.7	91.0	94.2	97.1	98.7	99.1	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	[illegible]
≥ 100	64.7	91.0	94.2	97.1	98.7	99.1	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	[illegible]
0	64.7	91.0	94.2	97.1	98.7	99.1	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS. 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | ST. LEO, WASHINGTON, PAC STATION NAME | 1962 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	49.3 42.4	48.7 44.3	47.7 45.4	44.3 43.2	45.5 44.5	45.0 44.0	45.0 44.1	46.2 45.1	46.2 45.1	46.4 45.3	46.5 45.5	46.3 45.3	46.6 45.7	46.6 45.7	46.6 45.8	46.7 45.8
≥ 18000 ≥ 16000	52.3 52.0	48.3 48.0	48.5 48.7	48.4 48.4	49.6 49.8	49.3 49.9	50.3 50.4	50.4 50.5	50.4 50.6	50.6 50.8	50.7 50.9	50.7 50.9	50.9 51.0	50.9 51.1	51.0 51.1	51.0 51.1
≥ 14000 ≥ 12000	53.0 53.3	53.2 53.2	47.3 48.7	49.2 50.1	50.4 51.9	50.6 52.1	51.1 52.6	51.2 52.8	51.3 52.8	51.4 52.9	51.5 53.	51.5 53.1	51.7 53.2	51.7 53.3	51.8 53.4	51.8 53.3
≥ 10000 ≥ 9000	55.3 56.2	48.0 49.9	50.9 52.2	52.1 54.3	54.3 55.6	54.5 55.8	55.0 56.4	55.2 56.5	55.2 56.5	55.4 56.7	55.5 56.8	55.5 56.9	55.6 57.0	55.7 57.1	55.7 57.1	55.7 57.1
≥ 8000 ≥ 7000	58.4 60.5	53.2 55.0	55.6 57.6	57.6 60.2	59.2 61.7	59.4 61.9	59.9 62.4	60.1 62.6	60.1 62.6	60.3 62.8	60.3 62.9	60.4 63.0	60.5 63.1	60.6 63.1	60.6 63.1	60.6 63.2
≥ 6000 ≥ 5000	61.5 62.0	57.0 59.2	59.5 61.6	61.7 64.1	63.2 65.5	63.4 65.7	64.0 66.4	64.1 66.6	64.1 66.6	64.3 66.8	64.4 66.9	64.5 67.0	64.6 67.1	64.7 67.1	64.7 67.1	64.7 67.2
≥ 4500 ≥ 4000	64.2 63.5	61.0 63.2	63.5 65.8	65.8 68.2	67.3 69.6	67.5 69.9	68.1 70.5	68.2 70.6	68.3 70.6	68.5 70.8	68.6 70.9	68.6 71.0	68.7 71.1	68.8 71.1	68.8 71.2	68.8 71.2
≥ 3500 ≥ 3000	67.4 64.9	66.1 69.0	68.8 71.7	71.2 74.3	72.7 75.8	73.0 76.0	73.6 76.7	73.7 76.8	73.8 76.8	74.0 77.1	74.1 77.2	74.1 77.2	74.3 77.3	74.3 77.3	74.3 77.4	74.4 77.4
≥ 2500 ≥ 2000	70.4 72.9	72.0 75.1	75.0 78.2	77.7 81.1	79.3 82.8	79.6 83.1	80.3 83.9	80.5 84.1	80.5 84.1	80.7 84.3	80.8 84.4	80.9 84.5	81.0 84.6	81.0 84.7	81.1 84.7	81.1 84.7
≥ 1800 ≥ 1500	82.3 83.4	78.2 80.4	79.4 81.9	82.3 85.0	84.1 86.8	84.4 87.1	85.2 88.0	85.4 88.2	85.4 88.2	85.7 88.5	85.8 88.6	85.9 88.7	85.9 88.8	86.0 88.9	86.0 88.9	86.1 89.0
≥ 1200 ≥ 1000	83.9 84.1	79.8 80.1	83.6 84.7	86.9 88.2	88.9 90.3	89.2 90.7	90.1 91.7	90.4 92.0	90.4 92.1	90.7 92.4	90.8 92.5	90.8 92.5	91.0 92.7	91.0 92.8	91.1 92.8	91.1 92.9
≥ 900 ≥ 800	84.1 84.2	81.0 81.3	85.1 85.6	88.7 89.3	90.9 91.7	91.3 92.2	92.5 93.4	92.8 93.8	92.8 93.8	93.2 94.2	93.3 94.3	93.4 94.4	93.5 94.6	93.6 94.6	93.6 94.7	93.6 94.7
≥ 700 ≥ 600	84.2 84.3	81.4 81.5	85.7 85.8	89.5 89.7	92.0 92.2	92.5 92.6	93.8 94.2	94.2 94.6	94.2 94.6	94.7 95.1	94.9 95.1	94.9 95.3	95.1 95.5	95.1 95.5	95.2 95.6	95.2 95.6
≥ 500 ≥ 400	84.3 84.3	81.6 81.6	85.9 86.0	89.9 90.0	92.5 92.6	93.1 93.3	94.7 95.0	95.1 95.6	95.2 95.6	95.7 96.2	95.9 96.4	96.0 96.5	96.2 96.6	96.2 96.6	96.3 96.7	96.3 96.7
≥ 300 ≥ 200	84.3 84.3	81.7 81.7	86.0 86.0	90.0 90.1	92.8 92.8	93.5 93.5	95.3 95.4	95.9 96.0	95.9 96.0	96.0 96.0	96.0 96.0	96.2 96.2	96.3 96.4	96.4 96.5	96.5 96.6	96.5 96.6
≥ 100 ≥ 0	84.3 84.3	81.7 81.7	86.0 86.0	90.1 90.1	92.8 92.8	93.5 93.5	95.5 95.5	96.1 96.1	96.1 96.1	96.9 97.0	97.0 97.0	97.0 97.0	97.3 97.3	97.4 97.5	97.5 97.6	97.5 97.6

TOTAL NUMBER OF OBSERVATIONS 1577

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON STATION NAME | 40-50 YEARS | 01 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2300 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.7	25.2	27.6	30.0	31.3	31.9	32.3	32.6	32.9	33.3	33.7	33.9	33.7	33.7	34.1	33.6
≥ 20000	17.9	27.1	29.7	32.3	33.8	33.8	34.8	35.1	35.2	35.7	35.9	35.9	35.4	35.3	36.5	36.3
≥ 18000	17.9	27.3	29.9	32.5	33.9	34.1	35.1	35.4	35.4	36.1	36.4	36.4	36.2	36.1	36.8	36.8
≥ 16000	17.9	27.3	29.9	32.5	33.9	34.1	35.1	35.5	35.5	36.2	36.6	36.6	36.3	36.2	37.0	36.9
≥ 14000	18.4	27.8	30.4	33.1	34.6	34.9	35.8	36.2	36.2	36.9	37.3	37.3	37.0	37.0	37.8	37.6
≥ 12000	18.8	28.5	32.2	35.0	36.5	36.8	37.7	38.1	38.1	38.8	39.4	39.4	39.3	39.4	40.3	39.9
≥ 10000	22.5	35.3	39.0	38.9	40.6	40.8	41.8	42.2	42.2	42.8	43.2	43.2	43.1	43.2	43.5	43.5
≥ 9000	23.4	36.1	37.1	42.5	42.2	42.4	43.4	43.8	43.8	44.4	44.8	44.8	44.5	44.6	45.1	45.2
≥ 8000	26.9	38.8	41.9	45.9	46.7	46.9	47.8	48.2	48.2	48.9	49.3	49.3	49.0	49.1	49.5	49.6
≥ 7000	27.6	42.3	43.5	47.1	50.3	50.5	51.5	51.9	51.9	52.6	52.7	52.7	53.1	53.2	53.3	53.3
≥ 6000	29.9	44.2	47.5	50.9	52.4	52.7	53.5	54.0	54.0	54.7	54.9	54.9	55.2	55.2	55.4	55.4
≥ 5000	31.7	46.1	51.5	54.7	54.6	56.0	57.3	58.2	58.2	58.8	59.0	59.1	59.4	59.5	59.6	59.6
≥ 4500	33.4	51.2	54.8	56.1	59.8	60.1	61.1	61.5	61.5	62.1	62.3	62.2	62.1	62.2	62.6	62.6
≥ 4000	34.1	54.3	56.9	60.4	62.1	62.4	63.4	63.8	63.8	64.5	64.7	64.6	65.0	65.1	65.2	65.2
≥ 3500	35.1	55.4	59.3	63.0	64.7	65.0	66.0	66.4	66.4	67.1	67.2	67.2	67.6	67.8	67.8	67.8
≥ 3000	37.1	58.2	62.2	66.2	68.0	68.2	69.3	69.7	69.7	70.4	70.5	70.5	70.9	71.0	71.1	71.1
≥ 2500	38.9	61.0	65.9	70.1	72.1	72.4	73.4	73.8	73.8	74.5	74.7	74.6	75.0	75.1	75.2	75.2
≥ 2000	40.3	63.0	69.6	74.0	76.0	76.3	77.3	77.7	77.7	78.4	78.5	78.5	79.0	79.1	79.1	79.1
≥ 1800	41.9	66.0	71.5	75.9	78.1	78.3	79.4	79.8	79.8	80.5	80.6	80.6	81.0	81.1	81.2	81.2
≥ 1500	43.4	70.1	75.2	79.8	81.9	82.1	83.2	83.6	83.6	84.3	84.4	84.4	84.9	85.0	85.0	85.1
≥ 1200	44.2	72.0	77.3	82.0	84.3	84.6	85.8	86.2	86.2	86.9	87.0	87.0	87.5	87.6	87.7	87.7
≥ 1000	44.3	73.0	78.8	83.8	86.4	86.7	87.8	88.2	88.2	89.0	89.1	89.1	89.5	89.7	89.7	89.7
≥ 900	44.6	73.4	79.1	84.2	86.8	87.2	88.2	88.7	88.7	89.4	89.5	89.5	90.0	90.1	90.2	90.2
≥ 800	44.5	73.7	79.6	84.8	87.4	87.8	88.8	89.3	89.3	90.0	90.1	90.1	90.6	90.7	90.8	90.8
≥ 700	44.5	74.0	80.3	85.5	88.1	88.5	89.5	90.0	90.0	90.6	90.9	90.9	91.4	91.5	91.5	91.5
≥ 600	44.5	74.0	80.4	85.6	88.3	88.7	89.8	90.3	90.3	91.0	91.2	91.2	91.6	91.7	91.8	91.8
≥ 500	44.5	74.2	80.6	85.8	88.5	89.0	90.2	90.6	90.6	91.4	91.5	91.5	92.0	92.2	92.3	92.3
≥ 400	44.5	74.4	80.8	86.0	88.8	89.3	90.4	91.0	91.0	91.9	92.1	92.0	92.6	92.7	92.9	92.9
≥ 300	44.6	74.4	80.8	86.1	89.2	89.6	90.8	91.5	91.5	92.6	92.7	92.6	93.2	93.3	93.6	93.6
≥ 200	44.5	74.5	80.9	86.3	89.3	89.7	91.3	92.2	92.2	93.0	93.1	93.0	93.7	94.4	95.3	95.4
≥ 100	44.6	74.5	80.9	86.3	89.3	89.7	91.4	92.3	92.3	94.2	94.2	94.0	95.0	96.1	96.8	96.9
≥ 0	44.6	74.5	80.9	86.4	89.4	89.8	91.5	92.5	92.5	94.5	95.1	95.1	95.8	97.2	97.8	98.1

TOTAL NUMBER OF OBSERVATIONS 1[illegible]72

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON FAA STATION NAME | 49-65 YEARS | JUL 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.0	17.1	18.0	20.1	21.6	21.7	22.7	22.9	22.9	23.5	23.7	23.7	24.3	24.3	24.5	24.9
≥ 20000	11.7	13.0	20.7	22.2	23.9	24.2	25.1	25.4	25.4	25.9	26.1	26.1	26.9	26.9	27.0	27.4
≥ 18000	11.7	13.1	20.9	22.4	24.1	24.4	25.3	25.5	25.5	26.1	26.3	26.3	27.0	27.0	27.2	27.5
≥ 16000	11.7	13.2	21.0	22.4	24.1	24.4	25.3	25.6	25.6	26.1	26.4	26.4	27.0	27.0	27.3	27.5
≥ 14000	11.9	13.5	21.3	22.8	24.5	24.8	25.7	26.0	26.0	26.5	26.8	26.8	27.4	27.4	27.6	28.0
≥ 12000	13.1	20.9	22.6	24.1	25.9	26.3	27.1	27.4	27.4	28.0	28.2	28.2	28.9	28.9	29.1	29.4
≥ 10000	15.7	24.0	25.9	27.4	29.2	29.5	30.4	30.7	30.7	31.3	31.5	31.5	32.1	32.1	32.4	32.7
≥ 9000	16.0	25.4	27.4	28.9	30.7	31.0	31.9	32.2	32.2	32.8	33.0	33.0	33.6	33.6	33.9	34.2
≥ 8000	19.7	29.0	32.0	33.5	35.3	35.7	36.5	36.8	36.8	37.4	37.6	37.6	38.3	38.3	38.5	38.8
≥ 7000	21.2	32.1	34.3	35.9	37.7	38.0	38.9	39.2	39.2	39.7	39.9	39.9	40.6	40.6	40.8	41.2
≥ 6000	22.1	34.0	36.3	37.9	39.7	40.0	40.9	41.2	41.2	41.8	42.0	42.0	42.7	42.7	42.9	43.3
≥ 5000	24.3	37.3	40.4	42.0	43.8	44.2	45.1	45.4	45.4	45.9	46.2	46.2	46.8	46.8	47.1	47.4
≥ 4500	25.9	41.0	43.7	45.3	47.1	47.4	48.4	48.7	48.7	49.2	49.4	49.4	50.1	50.1	50.4	50.7
≥ 4000	27.5	42.9	45.6	47.4	49.3	49.7	50.7	50.9	50.9	51.5	51.7	51.7	52.4	52.4	52.7	53.0
≥ 3500	29.0	45.8	48.7	51.0	52.9	53.3	54.3	54.6	54.6	55.2	55.4	55.4	56.1	56.1	56.3	56.7
≥ 3000	31.2	49.7	52.7	55.3	57.5	58.0	59.0	59.3	59.3	59.9	60.1	60.1	60.8	60.8	61.1	61.4
≥ 2500	33.1	53.4	56.7	59.6	61.8	62.1	63.1	63.4	63.4	64.0	64.2	64.2	64.9	64.9	65.2	65.5
≥ 2000	35.5	57.6	61.4	64.4	66.6	67.1	68.2	68.5	68.5	69.2	69.4	69.4	70.1	70.1	70.4	70.7
≥ 1800	37.3	60.6	63.8	66.9	69.1	69.6	70.7	71.0	71.0	71.7	72.0	72.0	72.6	72.6	72.9	73.2
≥ 1500	39.4	63.8	67.9	71.1	73.3	73.8	74.9	75.2	75.2	75.9	76.1	76.1	76.8	76.8	77.1	77.4
≥ 1200	40.0	65.9	70.1	73.7	75.9	76.4	77.5	77.8	77.8	78.5	78.8	78.8	79.4	79.4	79.7	80.0
≥ 1000	40.1	67.2	71.9	75.9	78.3	78.8	79.9	80.1	80.1	80.9	81.1	81.1	81.8	81.8	82.0	82.3
≥ 900	40.1	67.6	72.3	76.4	78.8	79.3	80.5	80.8	80.8	81.5	81.7	81.7	82.4	82.4	82.6	82.9
≥ 800	40.8	68.4	73.2	77.3	79.8	80.3	81.4	81.8	81.8	82.5	82.7	82.7	83.4	83.4	83.6	83.9
≥ 700	40.9	68.8	73.7	77.9	80.4	80.9	82.1	82.4	82.4	83.1	83.4	83.4	84.0	84.0	84.3	84.6
≥ 600	40.9	68.8	73.9	78.1	80.7	81.2	82.4	82.8	82.8	83.5	83.7	83.7	84.4	84.4	84.6	84.9
≥ 500	40.9	68.9	74.2	78.3	81.4	82.0	83.3	83.6	83.6	84.5	84.8	84.8	85.5	85.5	85.8	86.1
≥ 400	40.9	69.1	74.4	78.9	82.0	82.6	84.0	84.4	84.4	85.3	85.7	85.7	86.4	86.4	86.7	87.0
≥ 300	40.9	69.2	74.5	79.3	82.7	83.3	84.8	85.4	85.4	87.1	87.4	87.5	88.4	88.4	88.7	89.1
≥ 200	40.9	69.3	74.7	79.5	83.1	83.8	85.5	86.3	86.3	88.8	89.2	89.2	90.3	90.3	91.3	91.7
≥ 100	40.9	69.3	74.7	79.5	83.1	83.8	85.5	86.6	86.6	89.0	89.5	89.8	91.7	92.0	92.6	93.4
0	40.9	69.3	74.7	79.5	83.1	83.8	85.5	86.6	86.6	89.3	90.2	90.2	92.7	93.3	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 117

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INT'L STATION NAME | 57-66 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0700 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	11.4	12.0	12.9	13.4	13.5	14.0	14.2	14.4	14.6	14.7	14.7	15.1	15.2	15.4	15.9
≥ 20000	9.3	13.1	14.4	15.7	16.3	16.5	17.0	17.2	17.4	17.9	18.[illegible]	18.0	18.2	18.3	18.5	19.1
≥ 18000	9.5	13.0	14.5	15.9	16.4	16.6	17.1	17.4	17.5	18.0	18.1	18.1	18.4	18.6	18.7	19.2
≥ 16000	9.5	14.1	14.8	16.1	16.7	16.9	17.4	17.6	17.8	18.3	18.4	18.4	18.6	18.7	19.0	19.5
≥ 14000	9.5	14.1	15.4	16.8	17.4	17.5	18.0	18.3	18.5	19.0	19.1	19.1	19.3	19.4	19.6	20.2
≥ 12000	11.0	16.4	17.0	18.5	19.2	19.4	20.0	20.4	20.8	21.0	21.1	21.1	21.4	21.5	21.7	22.2
≥ 10000	13.5	19.4	20.6	22.2	23.0	23.2	23.9	24.2	24.4	24.9	25.0	25.0	25.3	25.5	25.6	26.1
≥ 9000	14.5	21.3	22.1	23.7	24.5	24.7	25.4	25.8	25.9	26.4	26.5	26.5	26.8	26.9	27.1	27.6
≥ 8000	17.9	25.6	26.6	28.4	29.2	29.4	30.2	30.6	30.8	31.3	31.4	31.4	31.6	31.8	31.9	32.5
≥ 7000	19.2	28.4	29.4	31.2	32.0	32.3	33.1	33.5	33.6	34.2	34.3	34.3	34.5	34.6	34.7	35.4
≥ 6000	20.0	30.1	31.2	33.1	34.0	34.3	35.2	35.5	35.7	36.3	36.4	36.4	36.6	36.7	36.9	37.5
≥ 5000	22.1	32.5	34.6	36.9	37.8	38.0	38.9	39.3	39.5	40.0	40.2	40.2	40.4	40.5	40.7	41.3
≥ 4500	24.1	36.0	37.4	39.5	40.4	40.7	41.6	42.0	42.2	42.8	42.9	42.9	43.1	43.2	43.4	44.0
≥ 4000	25.9	38.2	39.6	41.8	42.9	43.2	44.0	44.4	44.5	45.2	45.4	45.3	45.5	45.6	45.7	46.4
≥ 3500	27.0	41.0	42.6	45.1	46.2	46.5	47.4	47.8	47.9	48.6	48.7	48.7	48.9	49.0	49.2	49.8
≥ 3000	29.2	43.9	45.6	48.2	49.4	49.7	50.6	51.0	51.2	51.8	51.9	51.9	52.1	52.2	52.4	53.0
≥ 2500	31.1	47.4	49.2	52.2	53.5	53.8	54.7	55.2	55.3	56.0	56.1	56.1	56.3	56.4	56.7	57.2
≥ 2000	33.9	52.2	54.2	57.2	58.6	59.0	59.9	60.4	60.6	61.3	61.4	61.4	61.6	61.7	62.0	62.2
≥ 1800	35.0	54.8	56.8	59.8	61.2	61.6	62.5	63.1	63.3	64.0	64.1	64.1	64.3	64.4	64.7	65.2
≥ 1500	38.0	58.0	60.0	64.0	65.9	66.2	67.2	67.8	68.0	68.7	68.8	68.8	69.0	69.1	69.4	69.9
≥ 1200	39.1	61.2	63.9	67.4	69.4	69.9	70.9	71.6	71.7	72.5	72.6	72.6	72.8	72.9	73.1	73.7
≥ 1000	39.5	63.1	66.0	69.8	72.0	72.6	73.6	74.4	74.5	75.3	75.4	75.4	75.6	75.7	76.0	76.6
≥ 900	39.7	63.6	66.5	70.6	72.9	73.5	74.7	75.4	75.6	76.4	76.5	76.5	76.8	76.9	77.1	77.7
≥ 800	39.8	64.2	67.2	71.4	74.0	74.6	76.0	76.7	76.9	77.8	77.9	77.9	78.1	78.2	78.5	79.1
≥ 700	39.8	64.5	67.5	71.7	74.6	75.3	76.8	77.5	77.6	78.6	78.7	78.7	79.0	79.0	79.3	79.9
≥ 600	39.9	64.6	67.7	72.1	75.0	75.7	77.2	77.9	78.1	79.1	79.3	79.3	79.5	79.5	79.9	80.4
≥ 500	39.9	64.7	67.9	72.5	75.6	76.4	78.0	78.3	78.9	80.0	80.3	80.3	80.6	80.6	80.9	81.5
≥ 400	39.9	65.0	68.2	73.0	76.4	77.1	78.9	79.8	79.9	81.4	81.7	81.8	82.2	82.3	82.6	83.1
≥ 300	39.9	65.0	68.2	73.1	76.7	77.6	79.6	80.6	80.8	82.9	83.3	83.3	83.7	83.8	84.2	85.2
≥ 200	39.9	65.1	68.3	73.2	76.9	77.8	79.9	81.1	81.3	83.9	84.3	84.3	84.6	84.8	85.3	86.3
≥ 100	39.9	65.1	68.3	73.2	76.9	77.8	79.9	81.3	81.5	84.2	85.3	85.3	85.7	86.1	87.1	88.2
≥ 0	39.9	65.1	68.3	73.2	76.9	77.8	79.9	81.4	81.6	84.3	85.4	85.5	86.0	86.4	90.9	100.0

TOTAL NUMBER OF OBSERVATIONS 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE [illegible] STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0700-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.3	17.6	18.6	19.5	20.5	20.7	21.3	21.7	21.7	22.6	22.1	22.1	22.5	22.6	22.7	22.9
≥ 20000	14.1	21.1	23.0	24.0	25.1	25.4	27.1	27.6	27.6	27.9	28.[illegible]	27.0	27.8	28.0	28.0	27.3
≥ 18000	14.1	22.0	23.2	24.7	26.3	26.6	27.3	27.6	27.8	28.1	28.2	28.2	29.0	29.0	29.3	29.5
≥ 16000	15.1	22.4	23.7	25.3	26.8	27.0	27.8	28.3	28.3	28.5	28.[illegible]	28.[illegible]	29.4	29.5	29.7	30.0
≥ 14000	15.1	23.4	24.6	26.3	27.7	28.0	28.7	29.2	29.2	29.5	29.[illegible]	29.[illegible]	30.4	30.4	30.5	30.9
≥ 12000	16.2	24.4	27.6	29.3	30.9	31.2	32.0	32.5	32.5	32.8	32.[illegible]	32.[illegible]	33.7	33.8	34.0	34.3
≥ 10000	20.4	29.1	30.5	32.5	34.1	34.4	35.3	35.[illegible]	35.8	36.1	36.[illegible]	36.[illegible]	37.0	37.0	37.3	37.5
≥ 9000	21.2	30.1	31.5	33.5	35.2	35.6	36.5	37.0	37.0	37.3	37.4	37.4	38.[illegible]	38.[illegible]	38.4	38.7
≥ 8000	24.0	34.0	35.5	37.6	39.4	39.8	40.8	41.3	41.3	41.6	41.7	41.7	42.5	42.5	42.8	43.0
≥ 7000	25.3	35.5	36.0	40.6	41.9	42.3	43.4	43.[illegible]	43.9	44.2	44.[illegible]	44.3	45.1	45.1	45.3	45.6
≥ 6000	25.3	37.8	39.3	41.5	43.2	43.7	44.8	45.3	45.3	45.6	45.7	45.7	46.4	46.5	46.7	47.0
≥ 5000	26.5	40.1	42.2	44.3	46.3	46.[illegible]	47.8	48.[illegible]	48.[illegible]	48.6	48.7	48.7	49.5	49.[illegible]	49.[illegible]	50.1
≥ 4500	29.1	42.4	44.0	46.3	48.1	48.5	49.7	50.2	50.2	50.4	50.[illegible]	50.[illegible]	51.3	51.[illegible]	51.6	51.9
≥ 4000	31.0	46.0	47.[illegible]	49.[illegible]	51.7	52.2	53.[illegible]	53.[illegible]	53.8	54.1	54.[illegible]	54.[illegible]	55.0	55.1	55.[illegible]	55.6
≥ 3500	33.8	49.1	51.[illegible]	53.9	55.9	56.4	57.6	58.1	58.1	58.3	58.5	58.[illegible]	59.3	59.[illegible]	59.6	59.[illegible]
≥ 3000	36.4	53.3	55.1	57.[illegible]	59.8	60.[illegible]	61.[illegible]	62.[illegible]	62.[illegible]	62.[illegible]	62.[illegible]	62.[illegible]	63.7	63.[illegible]	64.[illegible]	64.7
≥ 2500	39.3	57.3	59.3	62.6	64.5	65.0	66.2	66.[illegible]	66.7	67.0	67.1	67.1	67.9	67.[illegible]	68.2	68.[illegible]
≥ 2000	42.6	62.9	64.[illegible]	68.[illegible]	70.2	70.7	71.9	72.[illegible]	72.4	72.8	72.[illegible]	72.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]
≥ 1800	43.3	64.[illegible]	66.8	70.[illegible]	72.4	72.9	74.1	74.[illegible]	74.6	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]
≥ 1500	44.8	67.[illegible]	69.9	73.[illegible]	76.3	76.9	78.2	78.[illegible]	78.7	79.[illegible]	79.[illegible]	79.[illegible]	80.[illegible]	80.[illegible]	80.[illegible]	80.[illegible]
≥ 1200	45.2	68.9	72.1	76.5	79.6	80.4	81.8	82.[illegible]	82.4	82.8	82.9	82.9	83.[illegible]	83.8	84.0	84.[illegible]
≥ 1000	45.4	70.0	73.6	78.4	82.0	82.7	84.3	84.[illegible]	84.9	85.3	85.[illegible]	85.[illegible]	86.[illegible]	86.[illegible]	86.[illegible]	87.[illegible]
≥ 900	45.4	70.0	73.7	78.6	82.3	83.0	84.6	85.3	85.3	85.7	85.7	85.7	86.7	86.8	87.0	87.[illegible]
≥ 800	45.5	70.4	74.3	79.6	83.3	84.1	85.9	86.7	86.7	87.2	87.4	87.4	88.3	88.4	88.6	88.9
≥ 700	5.5	70.9	74.9	80.5	84.5	85.4	87.4	88.3	88.4	89.0	89.3	89.3	90.2	90.2	90.4	90.7
≥ 600	45.5	70.9	75.0	80.7	84.8	85.9	88.0	89.0	89.0	89.8	90.[illegible]	90.0	91.0	91.0	91.[illegible]	91.[illegible]
≥ 500	45.5	70.9	75.3	81.0	85.2	85.3	88.7	89.9	90.0	90.8	91.1	91.1	92.1	92.2	92.4	92.7
≥ 400	45.5	70.9	75.3	81.3	85.7	86.9	89.5	91.1	91.2	92.2	92.[illegible]	92.[illegible]	93.7	93.[illegible]	94.0	94.[illegible]
≥ 300	45.5	70.9	75.3	81.3	85.8	87.0	89.7	91.5	91.5	92.4	93.1	93.1	94.7	94.[illegible]	95.3	95.[illegible]
≥ 200	45.5	70.9	75.3	81.3	85.8	87.0	89.9	91.[illegible]	91.9	93.3	93.[illegible]	93.9	95.8	96.1	96.[illegible]	96.[illegible]
≥ 100	45.5	70.9	75.3	81.3	85.8	87.0	89.9	91.8	91.9	93.4	94.[illegible]	94.[illegible]	96.3	96.7	97.[illegible]	97.[illegible]
≥ 0	45.5	70.9	75.3	81.3	85.8	87.0	89.9	91.8	91.9	93.4	94.[illegible]	94.[illegible]	96.[illegible]	96.9	97.[illegible]	100.0

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24284 STATION | SEATTLE WASHINGTON INTL STATION NAME | [illegible] YEARS | 10 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.9	29.8	29.0	29.8	29.8	29.9	30.0	30.0	30.0	30.3	30.7	30.9	30.9	31.0	31.0	31.0
≥ 20000	34.9	34.0	34.7	35.9	37.2	37.4	37.5	37.7	37.7	38.0	38.5	38.6	38.9	38.9	38.9	38.9
≥ 18000	35.0	34.2	34.9	36.1	37.4	37.6	37.8	37.9	37.9	38.2	38.6	38.8	39.1	39.2	39.2	39.2
≥ 16000	35.3	34.6	35.3	36.7	38.0	38.2	38.4	38.5	38.5	38.8	39.2	39.4	39.7	39.8	39.8	39.8
≥ 14000	37.0	35.9	37.7	38.9	40.3	40.5	40.7	40.8	40.8	41.2	42.0	42.0	42.0	42.1	42.1	42.1
≥ 12000	39.6	38.7	40.6	42.0	43.4	43.6	43.8	44.0	44.0	44.4	45.2	45.2	45.3	45.4	45.4	45.4
≥ 10000	42.1	42.4	44.7	46.1	47.6	47.8	48.1	48.3	48.3	48.7	49.5	49.5	49.6	49.7	49.7	49.7
≥ 9000	43.3	43.6	45.8	47.4	48.9	49.3	49.5	49.8	49.8	50.1	50.9	50.9	51.1	51.1	51.1	51.1
≥ 8000	46.3	47.1	49.5	51.1	52.7	53.1	53.3	53.6	53.6	53.9	54.6	54.6	54.9	55.0	55.0	55.0
≥ 7000	47.8	49.3	52.0	53.7	55.5	56.0	56.2	56.5	56.5	56.8	57.7	57.7	57.8	57.9	57.9	57.9
≥ 6000	48.8	51.2	53.9	55.7	57.5	57.9	58.2	58.5	58.5	58.8	59.6	59.6	59.6	59.6	59.6	59.6
≥ 5000	51.3	54.0	57.3	59.1	61.0	61.4	61.7	62.0	62.0	62.3	63.2	63.2	63.4	63.4	63.4	63.4
≥ 4500	52.4	56.3	59.1	61.0	62.8	63.2	63.5	63.8	63.8	64.2	65.0	65.0	65.2	65.2	65.2	65.2
≥ 4000	54.4	59.4	62.3	64.6	66.4	66.9	67.1	67.5	67.5	67.9	68.7	68.7	68.9	68.9	68.9	68.9
≥ 3500	56.9	63.2	66.4	68.7	70.5	71.0	71.2	71.7	71.7	72.0	72.9	72.9	73.1	73.2	73.2	73.2
≥ 3000	59.4	67.2	70.5	72.9	74.8	75.2	75.6	76.0	76.0	76.4	77.2	77.2	77.5	77.5	77.5	77.5
≥ 2500	62.1	71.4	75.0	77.5	79.5	80.0	80.4	80.8	80.8	81.1	81.9	81.9	82.2	82.3	82.3	82.3
≥ 2000	64.2	75.6	80.0	82.7	84.8	85.3	85.8	86.2	86.2	86.5	87.4	87.4	87.7	87.7	87.7	87.7
≥ 1800	64.6	77.0	81.4	84.4	86.6	87.2	87.7	88.1	88.1	88.4	89.3	89.3	89.5	89.6	89.6	89.6
≥ 1500	65.4	78.9	83.5	86.9	89.7	90.2	90.9	91.4	91.4	91.7	92.5	92.5	92.8	92.9	92.9	92.9
≥ 1200	65.6	79.9	84.8	88.7	91.7	92.4	93.1	93.6	93.6	93.9	94.8	94.8	95.1	95.1	95.1	95.1
≥ 1000	65.6	80.6	85.8	90.1	93.1	93.8	94.9	95.4	95.4	95.7	96.6	96.6	96.8	96.9	96.9	96.9
≥ 900	65.6	80.8	85.9	90.3	93.5	94.3	95.4	96.0	96.0	96.4	97.2	97.2	97.5	97.6	97.6	97.6
≥ 800	65.6	81.0	86.2	90.7	94.0	94.9	96.0	96.7	96.7	97.1	97.9	98.0	98.3	98.3	98.3	98.3
≥ 700	65.6	81.0	86.2	90.7	94.1	95.0	96.2	97.1	97.1	97.4	98.3	98.4	98.7	98.7	98.7	98.7
≥ 600	65.6	81.0	86.3	90.8	94.2	95.1	96.4	97.3	97.3	97.7	98.6	98.6	98.9	99.0	99.0	99.0
≥ 500	65.6	81.0	86.3	90.9	94.2	95.1	96.4	97.6	97.6	98.0	98.8	98.9	99.2	99.3	99.3	99.3
≥ 400	65.6	81.0	86.3	90.8	94.2	95.1	96.4	97.6	97.6	98.1	98.9	99.1	99.4	99.5	99.5	99.5
≥ 300	65.6	81.0	86.3	90.8	94.2	95.1	96.4	97.7	97.7	98.3	99.1	99.4	99.7	99.8	99.8	99.8
≥ 200	65.6	81.0	86.3	90.8	94.2	95.1	96.4	97.8	97.8	98.3	99.2	99.5	99.8	99.9	100.0	100.0
≥ 100	65.6	81.0	86.3	90.8	94.2	95.1	96.4	97.8	97.8	98.3	99.2	99.5	99.8	99.9	100.0	100.0
0	65.6	81.0	86.3	90.8	94.2	95.1	96.4	97.8	97.8	98.3	99.2	99.5	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 472

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INTL STATION NAME | 1960s YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.9	29.9	31.0	31.0	32.0	32.0	32.1	32.3	32.3	32.4	32.4	32.4	32.8	32.8	32.8	32.8
≥ 20000	25.9	30.4	32.0	32.0	32.0	32.2	32.7	32.9	32.9	40.0	40.0	40.0	40.4	40.4	40.4	40.4
≥ 18000	25.5	30.1	30.0	39.0	39.5	39.7	40.2	40.4	40.4	40.5	40.5	40.5	40.9	40.9	40.9	40.9
≥ 16000	29.1	37.1	38.5	39.0	40.1	40.2	40.5	41.0	41.0	41.2	41.2	41.2	41.5	41.5	41.5	41.5
≥ 14000	30.2	38.0	40.2	41.2	41.8	41.9	42.5	42.8	42.8	42.9	42.9	42.9	43.3	43.3	43.3	43.3
≥ 12000	31.9	40.9	42.6	43.5	44.5	44.7	45.4	45.7	45.7	45.9	45.9	45.9	46.3	46.3	46.3	46.3
≥ 10000	35.0	44.5	46.4	47.9	48.7	48.9	49.7	49.9	49.9	50.2	50.2	50.2	50.6	50.6	50.6	50.6
≥ 9000	35.9	46.2	48.1	49.6	50.4	50.7	51.4	51.7	51.7	51.9	51.9	51.9	52.3	52.3	52.3	52.3
≥ 8000	37.9	50.2	52.3	53.9	55.0	55.3	56.1	56.4	56.4	56.6	56.6	56.6	57.0	57.0	57.0	57.0
≥ 7000	41.9	54.7	56.0	56.4	58.0	58.3	59.1	59.4	59.4	59.6	59.6	59.6	60.0	60.0	60.0	60.0
≥ 6000	47.4	59.3	60.9	61.3	63.9	64.2	64.9	65.1	65.1	65.4	65.4	65.4	65.8	65.8	65.8	65.8
≥ 5000	49.8	62.1	63.1	63.1	64.3	64.6	65.3	65.7	65.9	66.2	66.2	66.2	66.6	66.6	66.6	66.6
≥ 4500	66.0	80.3	83.5	85.5	86.7	87.0	88.0	88.3	88.3	88.6	88.6	88.6	89.0	89.0	89.0	89.0
≥ 4000	67.5	83.0	87.1	89.2	90.4	90.7	91.7	92.0	92.0	92.4	92.4	92.4	92.7	92.7	92.7	92.7
≥ 3500	67.5	83.7	87.9	89.6	90.2	90.5	91.5	91.8	91.8	92.1	92.1	92.1	92.4	92.4	92.4	92.4
≥ 3000	71.4	89.9	93.7	96.5	97.8	98.1	99.1	99.3	99.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9
≥ 2500	74.3	92.4	96.2	98.1	98.6	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	75.5	93.6	97.6	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	76.0	94.5	98.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	76.3	94.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1795

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON FAC STATION NAME | [illegible] YEARS | 01 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible]-[illegible]2400 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.7	31.9	33.4	34.9	35.1	35.3	35.5	35.5	35.5	35.6	35.7	35.7	35.9	35.9	35.9	35.9
≥ 20000	25.5	40.1	37.9	37.2	39.9	40.1	40.3	40.3	40.5	40.7	40.7	40.9	41.2	41.2	41.2	41.2
≥ 18000	26.8	38.4	38.2	39.4	40.2	40.4	40.8	40.8	40.8	41.0	41.2	41.4	41.4	41.4	41.4	41.4
≥ 16000	25.7	38.5	38.3	39.7	40.4	40.7	41.1	41.2	41.2	41.3	41.5	41.5	41.8	41.8	41.8	41.8
≥ 14000	27.5	37.6	39.4	40.9	41.7	42.0	42.5	42.7	42.7	42.8	43.0	43.0	43.3	43.3	43.3	43.3
≥ 12000	29.3	40.4	42.3	43.9	44.7	45.1	45.8	45.9	45.9	46.1	46.2	46.2	46.5	46.5	46.5	46.5
≥ 10000	32.0	43.9	45.7	47.3	48.6	48.9	49.7	49.7	49.7	49.9	50.1	50.1	50.3	50.3	50.3	50.3
≥ 9000	32.8	44.8	46.3	48.8	49.9	50.2	51.0	51.1	51.1	51.2	51.4	51.4	51.7	51.7	51.7	51.7
≥ 8000	35.8	49.1	51.1	53.1	54.2	54.5	55.1	55.4	55.4	55.6	55.7	55.7	56.1	56.1	56.1	56.1
≥ 7000	36.6	50.1	52.1	54.1	55.1	55.4	56.0	56.3	56.3	56.5	56.6	56.6	57.0	57.0	57.0	57.0
≥ 6000	39.4	54.8	57.4	59.1	60.4	60.7	61.5	61.8	61.8	61.9	62.1	62.1	62.2	62.2	62.2	62.2
≥ 5000	41.0	56.9	60.3	62.2	63.7	63.9	64.7	65.0	65.0	65.1	65.2	65.2	65.6	65.6	65.6	65.6
≥ 4500	43.0	59.0	62.0	64.0	65.2	65.6	66.2	66.5	66.5	66.6	66.7	66.7	66.8	66.8	66.8	66.8
≥ 4000	44.2	60.9	64.0	66.0	67.4	67.8	68.4	68.7	68.7	68.8	68.9	68.9	69.0	69.0	69.0	69.0
≥ 3500	47.2	65.3	68.5	70.6	71.9	72.3	72.9	73.2	73.2	73.3	73.4	73.4	73.6	73.6	73.6	73.6
≥ 3000	48.9	67.3	70.6	72.8	74.1	74.6	75.2	75.5	75.5	75.6	75.7	75.7	75.9	75.9	75.9	75.9
≥ 2500	49.7	68.9	72.5	74.8	76.4	76.8	77.5	77.8	77.8	77.9	78.0	78.0	78.2	78.2	78.2	78.2
≥ 2000	51.1	70.1	73.8	76.0	77.6	78.0	78.7	79.0	79.0	79.1	79.2	79.2	79.4	79.4	79.4	79.4
≥ 1800	52.1	71.6	75.3	77.5	79.2	79.6	80.3	80.6	80.6	80.7	80.8	80.8	81.0	81.0	81.0	81.0
≥ 1500	52.7	72.1	75.8	78.1	79.7	80.1	80.8	81.1	81.1	81.2	81.3	81.3	81.5	81.5	81.5	81.5
≥ 1200	53.0	72.9	76.7	79.0	80.7	81.1	81.8	82.1	82.1	82.2	82.3	82.3	82.5	82.5	82.5	82.5
≥ 1000	53.0	73.0	76.8	79.1	80.8	81.2	81.9	82.2	82.2	82.3	82.4	82.4	82.6	82.6	82.6	82.6
≥ 900	53.0	73.0	76.9	79.2	80.9	81.3	82.0	82.3	82.3	82.4	82.5	82.5	82.7	82.7	82.7	82.7
≥ 800	53.1	73.1	77.0	79.3	81.0	81.4	82.1	82.4	82.4	82.5	82.6	82.6	82.8	82.8	82.8	82.8
≥ 700	53.1	73.1	77.0	79.3	81.0	81.4	82.1	82.4	82.4	82.5	82.6	82.6	82.8	82.8	82.8	82.8
≥ 600	53.1	73.1	77.0	79.3	81.0	81.4	82.1	82.4	82.4	82.5	82.6	82.6	82.8	82.8	82.8	82.8
≥ 500	53.1	73.1	77.0	79.3	81.0	81.4	82.1	82.4	82.4	82.5	82.6	82.6	82.8	82.8	82.8	82.8
≥ 400	53.1	73.1	77.0	79.3	81.0	81.4	82.1	82.4	82.4	82.5	82.6	82.6	82.8	82.8	82.8	82.8
≥ 300	53.1	73.1	77.0	79.3	81.0	81.4	82.1	82.4	82.4	82.5	82.6	82.6	82.8	82.8	82.8	82.8
≥ 200	53.1	73.1	77.0	79.3	81.0	81.4	82.1	82.4	82.4	82.5	82.6	82.6	82.8	82.8	82.8	82.8
≥ 100	53.1	73.1	77.0	79.3	81.0	81.4	82.1	82.4	82.4	82.5	82.6	82.6	82.8	82.8	82.8	82.8
0	53.1	73.1	77.0	79.3	81.0	81.4	82.1	82.4	82.4	82.5	82.6	82.6	82.8	82.8	82.8	82.8

TOTAL NUMBER OF OBSERVATIONS 17?

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24204 STATION | SEATTLE WASHINGTON, U.S. STATION NAME | 49-65 YEARS | 10 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.5	30.0	32.5	33.5	35.5	35.7	36.4	36.7	36.7	36.9	37.0	37.0	37.2	37.2	37.2	37.2
≥ 20000	22.0	33.1	35.2	36.3	38.8	39.0	39.7	39.9	39.9	40.2	40.3	40.3	40.6	40.7	40.7	40.7
≥ 18000	22.0	33.3	35.3	37.0	38.9	39.1	39.8	40.0	40.0	40.3	40.4	40.4	40.7	40.8	40.8	40.8
≥ 16000	22.1	33.4	35.5	37.4	39.3	39.5	40.2	40.4	40.4	40.7	40.8	40.8	41.1	41.2	41.2	41.2
≥ 14000	23.1	34.1	36.2	38.4	40.4	40.5	41.3	41.5	41.5	41.7	41.8	41.8	42.2	42.2	42.2	42.2
≥ 12000	24.4	36.2	38.3	40.8	42.5	42.6	43.5	43.7	43.7	44.0	44.1	44.1	44.4	44.5	44.5	44.5
≥ 10000	26.8	39.4	41.8	44.0	46.2	46.4	47.2	47.4	47.4	47.7	47.8	47.8	48.2	48.2	48.2	48.2
≥ 9000	27.2	40.4	42.8	45.2	47.4	47.7	48.4	48.7	48.7	48.9	49.1	49.1	49.4	49.4	49.4	49.4
≥ 8000	30.3	44.6	47.1	49.6	51.8	52.0	52.7	53.0	53.0	53.3	53.4	53.4	53.7	53.8	53.8	53.8
≥ 7000	32.5	47.9	50.3	52.8	55.1	55.3	56.0	56.3	56.3	56.6	56.7	56.7	57.0	57.1	57.1	57.1
≥ 6000	33.5	50.1	52.7	55.2	57.4	57.6	58.3	58.6	58.6	58.9	59.0	59.0	59.3	59.4	59.4	59.4
≥ 5000	35.9	54.0	56.6	59.2	61.5	61.7	62.5	62.7	62.7	63.0	63.1	63.1	63.5	63.5	63.5	63.5
≥ 4500	38.1	57.1	60.3	63.0	65.3	65.5	66.2	66.5	66.5	66.8	66.9	66.9	67.2	67.3	67.3	67.3
≥ 4000	39.6	60.3	63.2	66.1	68.4	68.6	69.4	69.7	69.7	70.0	70.1	70.1	70.4	70.5	70.5	70.5
≥ 3500	41.2	63.1	66.7	69.7	72.1	72.3	73.1	73.4	73.4	73.7	73.8	73.8	74.1	74.2	74.2	74.2
≥ 3000	43.9	68.0	71.0	74.1	76.6	76.8	77.7	78.0	78.0	78.3	78.4	78.4	78.7	78.8	78.8	78.8
≥ 2500	45.1	72.1	75.3	78.6	81.1	81.4	82.3	82.5	82.5	82.8	82.9	82.9	83.3	83.3	83.3	83.3
≥ 2000	46.0	74.7	79.0	82.5	84.1	84.4	85.3	85.5	85.5	85.8	85.9	85.9	86.3	86.3	86.3	86.3
≥ 1800	47.7	76.8	80.1	83.8	86.5	86.7	87.6	87.9	87.9	88.2	88.3	88.3	88.6	88.7	88.7	88.7
≥ 1500	48.7	79.3	82.8	86.5	89.2	89.4	90.3	90.6	90.6	90.9	91.0	91.0	91.3	91.4	91.4	91.4
≥ 1200	49.5	81.0	85.0	89.0	91.7	91.9	92.8	93.1	93.1	93.4	93.5	93.5	93.8	93.9	93.9	93.9
≥ 1000	49.8	81.7	85.9	90.0	92.8	93.0	94.2	94.4	94.4	94.7	94.8	94.8	95.2	95.2	95.2	95.2
≥ 900	50.1	82.1	86.3	90.5	93.4	93.6	94.7	95.0	95.0	95.3	95.4	95.4	95.7	95.8	95.8	95.8
≥ 800	50.2	82.4	86.7	91.2	94.0	94.2	95.3	95.6	95.6	95.9	96.0	96.0	96.3	96.4	96.4	96.4
≥ 700	50.2	82.4	86.8	91.4	94.4	94.7	95.8	96.1	96.1	96.3	96.4	96.4	96.8	96.8	96.8	96.8
≥ 600	50.2	82.5	86.9	91.6	94.7	94.9	96.1	96.3	96.3	96.6	96.7	96.7	97.1	97.1	97.1	97.1
≥ 500	50.2	82.6	87.0	91.8	95.0	95.2	96.3	96.6	96.6	96.9	97.1	97.1	97.4	97.4	97.4	97.4
≥ 400	50.2	82.6	87.0	91.8	95.1	95.3	96.6	96.9	96.9	97.2	97.3	97.3	97.6	97.6	97.6	97.7
≥ 300	50.2	82.6	87.0	91.8	95.2	95.4	96.7	97.2	97.2	97.6	97.6	97.6	98.0	98.1	98.1	98.1
≥ 200	50.2	82.6	87.0	91.9	95.2	95.4	96.8	97.3	97.3	98.2	98.3	98.3	98.9	99.0	99.0	99.0
≥ 100	50.2	82.6	87.0	91.9	95.2	95.4	96.8	97.3	97.3	98.2	98.3	98.3	98.9	99.1	99.1	99.1
≥ 0	50.2	82.6	87.0	91.9	95.2	95.4	96.8	97.3	97.3	98.2	98.4	98.4	99.0	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON ARPT STATION NAME | 49-50 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.2	23.0	25.3	26.5	27.4	27.6	28.0	28.2	28.3	28.6	28.7	28.8	29.1	29.1	29.2	29.3
≥ 20000	16.5	27.5	29.2	30.7	31.8	32.1	32.7	32.9	33.0	33.3	33.5	33.5	33.7	33.7	33.8	34.2
≥ 18000	19.0	27.7	29.4	30.9	32.1	32.3	32.9	33.2	33.2	33.5	33.7	33.7	34.1	34.2	34.3	34.4
≥ 16000	19.0	28.0	29.7	31.2	32.4	32.6	33.2	33.5	33.5	33.8	34.1	34.1	34.5	34.5	34.6	34.9
≥ 14000	20.4	28.9	30.5	32.1	33.6	33.8	34.4	34.7	34.7	35.1	35.3	35.3	35.7	35.7	35.8	35.9
≥ 12000	22.1	31.2	32.9	34.7	36.0	36.2	36.9	37.2	37.2	37.6	37.8	37.8	38.2	38.3	38.4	38.5
≥ 10000	24.7	34.6	36.4	38.3	39.7	40.0	40.7	41.0	41.1	41.4	41.7	41.7	42.1	42.1	42.2	42.3
≥ 9000	25.7	35.8	37.8	39.7	41.2	41.4	42.2	42.5	42.5	42.8	43.1	43.1	43.5	43.5	43.6	43.8
≥ 8000	28.7	39.7	42.0	44.0	45.5	45.8	46.6	46.9	46.9	47.3	47.5	47.5	47.9	48.0	48.1	48.2
≥ 7000	30.2	42.1	44.9	47.0	48.5	48.8	49.6	50.0	50.0	50.4	50.6	50.6	51.0	51.0	51.1	51.3
≥ 6000	31.5	44.0	46.8	49.0	50.6	50.9	51.7	52.0	52.0	52.4	52.6	52.6	53.0	53.1	53.2	53.3
≥ 5000	33.9	46.2	50.0	52.9	54.5	54.8	55.6	56.0	56.0	56.4	56.6	56.6	57.0	57.0	57.2	57.3
≥ 4500	35.5	50.6	53.5	55.6	57.3	57.6	58.4	58.6	58.7	59.2	59.4	59.4	59.8	59.9	60.0	60.1
≥ 4000	37.1	53.0	56.2	58.7	60.4	60.7	61.6	61.9	61.9	62.3	62.5	62.5	63.0	63.0	63.1	63.2
≥ 3500	38.9	56.0	59.5	62.2	64.0	64.3	65.2	65.5	65.6	66.0	66.2	66.2	66.6	66.7	66.8	66.9
≥ 3000	40.9	60.3	63.3	66.6	68.1	68.4	69.3	69.7	69.7	70.1	70.3	70.3	70.7	70.8	70.9	71.0
≥ 2500	43.0	64.0	67.3	70.3	72.4	72.7	73.7	74.0	74.0	74.4	74.6	74.6	75.1	75.2	75.3	75.4
≥ 2000	45.0	66.0	71.8	74.9	76.9	77.3	78.3	78.6	78.6	79.1	79.3	79.3	79.7	79.8	79.9	80.0
≥ 1800	46.1	69.8	73.4	76.9	78.9	79.3	80.3	80.7	80.7	81.2	81.4	81.4	81.9	82.0	82.0	82.1
≥ 1500	47.3	72.5	76.4	80.1	82.4	82.8	83.9	84.2	84.3	84.7	84.9	84.9	85.4	85.4	85.5	85.7
≥ 1200	47.9	74.1	78.4	82.4	84.9	85.4	86.5	86.9	86.9	87.4	87.6	87.6	88.1	88.1	88.2	88.4
≥ 1000	48.1	75.1	79.7	84.0	86.6	87.1	88.3	88.8	88.8	89.3	89.6	89.6	90.0	90.0	90.1	90.3
≥ 900	48.2	75.3	80.0	84.4	87.1	87.6	88.9	89.3	89.4	89.9	90.1	90.1	90.5	90.6	90.7	90.9
≥ 800	48.2	75.7	80.4	85.0	87.8	88.3	89.7	90.2	90.2	90.8	91.0	91.0	91.4	91.5	91.6	91.7
≥ 700	48.3	75.8	80.7	85.4	88.3	88.9	90.3	90.9	90.9	91.5	91.7	91.7	92.2	92.2	92.3	92.5
≥ 600	48.3	75.9	80.8	85.6	88.5	89.1	90.7	91.3	91.3	91.9	92.1	92.1	92.6	92.6	92.7	92.9
≥ 500	48.3	76.0	81.0	85.8	88.8	89.5	91.1	91.7	91.8	92.4	92.7	92.7	93.2	93.3	93.4	93.6
≥ 400	48.3	76.1	81.1	85.9	89.1	89.8	91.5	92.3	92.3	93.1	93.4	93.4	94.0	94.0	94.1	94.4
≥ 300	48.3	76.1	81.1	86.0	89.3	90.0	91.8	92.7	92.8	93.6	94.1	94.1	94.8	94.9	95.0	95.2
≥ 200	48.3	76.1	81.1	86.1	89.4	90.1	92.0	93.1	93.1	94.4	94.7	94.8	95.4	95.5	95.6	95.8
≥ 100	48.3	76.1	81.1	86.1	89.4	90.1	92.0	93.1	93.2	94.5	95.1	95.1	96.3	96.3	96.9	97.2
0	48.3	76.1	81.1	86.1	89.5	90.1	92.1	93.2	93.2	94.6	95.2	95.2	96.7	96.8	97.5	98.3

TOTAL NUMBER OF OBSERVATIONS 1634

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON (CITY) STATION NAME | 49-63 YEARS | JULY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥5/16	≥¼	≥0
NO CEILING	14.1	19.1	20.1	21.4	22.6	22.9	23.7	24.3	24.0	24.7	24.9	24.8	24.9	24.9	25.1	25.2
≥ 20000	15.6	20.6	22.0	23.2	24.7	24.9	25.4	26.1	26.1	26.8	26.9	26.9	27.1	27.1	27.3	27.4
≥ 18000	15.9	20.9	22.0	23.2	24.7	24.9	25.5	26.1	26.1	26.8	26.9	26.9	27.1	27.1	27.3	27.4
≥ 16000	15.7	21.0	22.2	23.4	24.9	25.2	26.0	26.4	26.4	27.1	27.2	27.2	27.4	27.4	27.6	27.7
≥ 14000	16.6	22.1	23.3	24.5	25.0	26.3	27.1	27.5	27.5	28.3	28.5	28.5	28.6	28.6	28.7	28.9
≥ 12000	17.5	23.0	24.1	25.0	27.5	27.8	28.6	29.0	29.0	29.8	29.9	29.9	30.1	30.1	30.2	30.3
≥ 10000	20.3	26.3	27.4	28.8	30.3	30.5	31.4	31.8	31.9	32.5	32.6	32.6	32.8	32.8	33.0	33.1
≥ 9000	20.9	27.3	28.6	30.1	31.6	31.8	32.6	33.0	33.0	33.8	33.9	33.9	34.1	34.1	34.3	34.4
≥ 8000	24.0	31.1	32.5	34.3	35.7	36.0	36.9	37.3	37.3	38.0	38.1	38.1	38.3	38.3	38.5	38.6
≥ 7000	26.2	34.3	35.7	37.4	39.0	39.2	40.1	40.5	40.5	41.3	41.3	41.3	41.6	41.6	41.7	41.8
≥ 6000	27.5	36.0	38.0	39.9	41.5	41.7	42.6	43.0	43.0	43.8	43.9	43.9	44.1	44.1	44.3	44.4
≥ 5000	30.2	39.9	41.4	43.4	44.9	45.2	46.1	46.5	46.5	47.2	47.3	47.3	47.6	47.6	47.8	47.9
≥ 4500	31.7	42.2	43.7	45.7	47.3	47.5	48.4	48.9	48.9	49.6	49.7	49.7	50.0	50.0	50.2	50.3
≥ 4000	33.0	45.1	46.7	48.8	50.5	50.7	51.6	52.0	52.0	52.8	52.9	52.9	53.2	53.2	53.3	53.4
≥ 3500	35.1	49.1	50.9	53.0	54.7	55.1	56.0	56.4	56.4	57.1	57.2	57.2	57.5	57.5	57.7	57.8
≥ 3000	38.1	54.3	56.2	58.4	60.3	60.7	61.8	62.2	62.2	62.9	63.0	63.0	63.3	63.3	63.5	63.6
≥ 2500	40.5	58.6	61.0	63.5	65.4	65.8	66.9	67.3	67.3	68.0	68.1	68.1	68.4	68.4	68.6	68.7
≥ 2000	42.9	63.4	65.9	68.4	70.4	70.8	72.0	72.4	72.4	73.1	73.2	73.2	73.5	73.5	73.7	73.8
≥ 1800	44.1	65.0	68.3	71.0	73.0	73.4	74.5	74.9	74.9	75.7	75.7	75.7	76.1	76.1	76.3	76.4
≥ 1500	45.2	66.4	71.6	74.3	76.3	76.7	77.9	78.3	78.3	79.0	79.1	79.1	79.4	79.4	79.6	79.7
≥ 1200	46.1	71.1	75.1	78.2	80.3	80.7	82.0	82.4	82.4	83.1	83.2	83.2	83.5	83.5	83.7	83.8
≥ 1000	47.9	74.2	77.8	81.0	83.2	83.6	84.8	85.2	85.2	86.0	86.0	86.0	86.4	86.4	86.6	86.7
≥ 900	47.9	74.7	78.4	81.6	83.9	84.3	85.5	85.9	85.9	86.6	86.7	86.7	87.0	87.0	87.2	87.3
≥ 800	48.0	75.2	78.9	82.2	84.4	84.8	86.0	86.3	86.3	87.2	87.3	87.3	87.6	87.6	87.8	87.9
≥ 700	48.0	75.7	79.7	83.1	85.3	85.8	87.1	87.5	87.5	88.3	88.3	88.3	88.7	88.7	88.9	89.0
≥ 600	48.1	76.1	80.1	83.7	86.1	86.7	87.9	88.4	88.4	89.1	89.2	89.2	89.5	89.5	89.7	89.8
≥ 500	48.2	76.4	80.3	84.3	86.9	87.4	88.9	89.3	89.3	90.1	90.1	90.1	90.5	90.5	90.7	90.8
≥ 400	48.2	76.5	80.5	84.5	87.4	87.9	89.5	90.1	90.1	90.9	91.0	91.0	91.4	91.4	91.7	91.8
≥ 300	48.2	76.6	80.6	84.8	87.9	88.6	90.3	91.0	91.0	91.9	92.1	92.1	92.7	92.7	93.0	93.1
≥ 200	48.2	76.8	80.8	85.0	88.1	88.7	90.9	91.7	91.7	92.8	93.0	93.0	93.9	93.9	94.3	94.4
≥ 100	48.2	76.8	80.8	85.0	88.2	88.8	91.0	91.7	91.7	93.0	93.2	93.2	94.9	95.0	95.7	96.3
0	48.2	76.8	80.8	85.0	88.2	88.8	91.0	91.7	91.7	93.0	93.3	93.3	95.1	95.2	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1296

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 (STATION) SEATTLE WASHINGTON FAC (STATION NAME) 49-65 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0500-0800 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.3	15.0	16.7	17.1	19.1	19.9	20.0	20.2	20.2	20.7	20.7	20.7	21.0	21.1	21.3	21.3
≥ 20000	13.1	15.0	17.9	18.9	20.3	20.6	21.2	21.4	21.4	21.5	22.0	22.0	22.2	22.3	22.5	22.5
≥ 18000	13.3	17.0	17.1	19.1	20.5	20.6	21.4	21.6	21.6	22.1	22.2	22.2	22.2	22.3	22.7	22.7
≥ 16000	13.3	17.4	18.4	19.5	20.9	21.1	21.8	22.0	22.0	22.5	22.7	22.5	22.8	22.9	23.0	23.0
≥ 14000	14.4	18.4	19.5	20.5	22.0	22.3	23.0	23.2	23.2	23.7	23.7	23.7	24.0	24.1	24.3	24.3
≥ 12000	15.6	20.0	21.2	22.2	23.7	24.0	24.7	24.9	24.9	25.4	25.5	25.5	25.7	25.	26.0	26.0
≥ 10000	17.0	22.0	24.1	25.2	26.8	27.1	27.8	28.0	28.0	28.5	28.6	28.6	28.9	29.0	29.1	29.1
≥ 9000	18.4	23.9	25.1	26.2	27.9	28.2	28.9	29.0	29.0	29.5	29.7	29.6	29.9	29.9	30.1	30.1
≥ 8000	20.3	26.5	27.9	29.0	30.7	31.0	31.7	31.8	31.9	32.4	32.6	32.4	32.7	32.8	32.9	32.9
≥ 7000	22.6	29.4	30.7	32.0	33.7	34.1	34.7	34.8	34.8	35.3	35.4	35.4	35.7	35.7	35.9	35.9
≥ 6000	23.9	31.2	32.9	34.2	35.9	36.1	36.9	37.1	37.1	37.6	37.6	37.6	37.9	38.0	38.2	38.2
≥ 5000	25.9	34.3	36.4	37.8	39.7	40.0	40.8	41.0	41.0	41.6	41.6	41.6	41.9	42.0	42.1	42.1
≥ 4500	28.0	36.2	38.6	41.1	43.0	43.1	44.1	44.3	44.3	44.8	44.9	44.9	44.9	45.2	45.4	45.4
≥ 4000	30.0	41.0	43.0	44.5	46.4	46.7	47.5	47.6	47.6	48.2	48.3	48.3	48.6	48.8	48.8	48.8
≥ 3500	31.6	44.6	46.3	47.9	49.8	50.1	50.9	51.1	51.1	51.7	51.7	51.7	52.0	52.1	52.2	52.2
≥ 3000	34.3	50.3	52.3	54.0	55.9	56.2	57.1	57.2	57.2	57.8	57.9	57.9	58.2	58.2	58.4	58.4
≥ 2500	36.7	55.5	57.8	59.7	61.7	62.0	62.9	63.0	63.0	63.6	63.7	63.7	64.0	64.0	64.2	64.2
≥ 2000	39.6	61.8	64.6	66.6	68.8	69.1	70.2	70.3	70.3	70.9	71.1	71.0	71.3	71.3	71.5	71.5
≥ 1800	40.7	63.3	66.4	68.3	70.7	71.0	72.1	72.2	72.2	72.8	72.9	72.9	73.2	73.4	73.4	73.4
≥ 1500	43.1	67.3	70.7	72.9	75.3	75.7	76.8	77.0	77.0	77.6	77.6	77.6	78.0	78.2	78.2	78.2
≥ 1200	43.8	69.8	73.3	75.8	78.3	78.7	80.0	80.2	80.2	80.7	80.9	80.7	81.2	81.3	81.4	81.4
≥ 1000	44.1	72.3	76.0	78.7	81.3	81.8	83.1	83.3	83.3	83.9	84.0	84.0	84.3	84.4	84.5	84.5
≥ 900	44.9	73.0	76.8	79.6	82.3	82.8	84.1	84.3	84.3	84.9	85.0	85.0	85.3	85.4	85.6	85.6
≥ 800	45.0	73.0	77.0	80.5	83.3	83.9	85.2	85.3	85.3	85.9	86.1	86.0	86.4	86.5	86.7	86.7
≥ 700	45.0	73.9	78.3	81.1	84.0	84.5	85.9	86.1	86.1	86.7	86.8	86.8	87.2	87.3	87.5	87.5
≥ 600	45.0	74.1	78.6	81.5	84.4	84.9	86.3	86.6	86.6	87.2	87.4	87.4	87.8	87.8	88.0	88.0
≥ 500	45.0	74.3	78.9	81.8	84.8	85.3	86.7	87.1	87.1	87.8	87.9	87.9	88.3	88.4	88.7	88.7
≥ 400	45.0	74.3	79.1	82.1	85.1	85.7	87.4	87.8	87.8	88.5	88.7	88.7	89.2	89.3	89.5	89.5
≥ 300	45.0	74.1	79.4	82.4	85.7	86.5	88.6	89.0	89.0	89.6	90.1	90.1	90.6	90.7	91.0	91.0
≥ 200	45.0	74.1	79.5	82.6	86.0	86.8	89.0	89.3	89.3	90.0	90.5	90.5	91.0	91.1	91.4	91.4
≥ 100	45.0	74.1	79.5	82.6	86.0	86.8	89.1	89.4	89.4	90.1	90.6	90.6	91.1	91.2	91.5	91.5
≥ 0	45.0	74.1	79.5	82.6	86.0	86.8	89.1	89.4	89.4	90.1	90.6	90.6	91.1	91.2	91.5	91.5

TOTAL NUMBER OF OBSERVATIONS 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 SEATTLE-TACOMA INTL ARPT 1956 ANNUAL 0000-2300 LST
STATION STATION NAME YEARS MONTH HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.1	15.5	15.9	16.5	16.6	16.7	17.0	17.1	17.1	17.5	17.6	17.7	17.8	17.8	17.8	17.9
≥ 20000	14.7	17.3	17.8	18.2	18.6	18.7	19.1	19.3	19.3	19.6	19.7	19.9	20.0	20.0	20.0	20.1
≥ 18000	14.8	17.5	18.0	18.4	18.8	19.0	19.3	19.5	19.5	19.8	20.1	20.1	20.2	20.2	20.2	20.3
≥ 16000	15.2	17.9	18.4	18.9	19.2	19.4	19.7	19.9	19.9	20.2	20.3	20.3	20.5	20.5	20.5	20.7
≥ 14000	16.1	19.1	19.7	20.1	20.4	20.7	20.9	21.1	21.1	21.5	21.6	21.6	22.0	22.0	22.0	22.0
≥ 12000	17.1	21.1	21.7	22.1	22.5	22.7	23.0	23.2	23.2	23.6	23.8	23.8	24.1	24.1	24.1	24.2
≥ 10000	19.1	23.4	24.3	24.8	25.2	25.5	25.8	26.0	26.0	26.4	26.7	26.8	26.9	26.9	26.9	27.0
≥ 9000	20.4	24.4	25.2	25.7	26.3	26.5	26.8	27.0	27.0	27.4	27.8	27.8	27.9	27.9	27.9	28.0
≥ 8000	23.0	27.1	28.5	29.1	29.5	29.8	30.1	30.3	30.3	30.7	31.0	31.1	31.2	31.2	31.2	31.3
≥ 7000	25.1	31.4	32.7	33.0	33.4	33.6	34.1	34.4	34.4	34.8	35.2	35.2	35.3	35.3	35.3	35.4
≥ 6000	27.2	33.4	34.3	35.1	35.6	35.8	36.4	36.6	36.6	37.0	37.4	37.4	37.5	37.5	37.5	37.6
≥ 5000	28.5	36.0	37.6	38.2	38.8	39.2	39.4	40.1	40.2	40.2	40.6	41.0	41.0	41.1	41.1	41.2
≥ 4500	32.0	39.9	41.0	42.1	42.7	43.1	43.6	44.1	44.1	44.7	44.1	44.3	44.7	44.7	44.7	44.7
≥ 4000	34.3	43.0	44.3	45.4	46.1	46.3	47.0	47.1	47.1	47.5	47.9	47.9	48.0	48.0	48.0	48.1
≥ 3500	35.3	47.1	48.4	49.7	50.3	50.6	51.1	51.4	51.4	51.8	52.1	52.2	52.4	52.4	52.4	52.4
≥ 3000	37.1	50.6	52.1	53.6	54.4	54.7	55.4	55.6	55.6	56.0	56.3	56.4	56.5	56.5	56.5	56.6
≥ 2500	40.2	55.2	56.9	58.7	59.5	59.8	60.5	60.6	60.6	61.0	61.4	61.4	61.6	61.6	61.6	61.6
≥ 2000	42.4	60.3	62.2	64.4	65.3	65.6	66.3	66.5	66.5	66.9	67.2	67.3	67.4	67.4	67.4	67.5
≥ 1800	43.1	62.6	64.6	66.8	67.8	68.1	68.9	69.1	69.1	69.5	69.9	69.9	70.1	70.1	70.1	70.1
≥ 1500	46.3	66.4	68.9	71.4	72.4	72.7	73.6	73.7	73.7	74.3	74.7	74.8	74.8	74.8	74.8	74.9
≥ 1200	47.6	69.9	72.5	75.4	76.3	76.8	77.6	77.8	77.8	78.4	78.8	78.9	79.0	79.0	79.0	79.0
≥ 1000	48.0	71.4	74.4	77.3	78.7	79.0	80.0	80.2	80.2	80.8	81.2	81.3	81.4	81.4	81.4	81.4
≥ 900	48.1	71.8	74.9	78.0	79.6	79.9	81.0	81.2	81.2	81.8	82.2	82.2	82.4	82.4	82.4	82.4
≥ 800	48.4	72.5	75.7	79.1	80.9	81.3	82.4	82.7	82.7	83.3	83.7	83.7	83.9	83.9	83.9	83.9
≥ 700	48.5	73.2	76.7	80.4	82.4	82.8	84.0	84.3	84.3	84.9	85.3	85.4	85.5	85.5	85.5	85.5
≥ 600	48.6	73.7	77.3	81.3	83.3	83.7	85.2	85.5	85.5	86.1	86.6	86.8	86.8	86.8	86.8	86.9
≥ 500	48.7	73.9	77.6	81.8	84.1	84.6	86.1	86.5	86.5	87.2	87.6	87.7	87.9	87.9	87.9	88.0
≥ 400	48.7	73.9	77.6	82.0	84.3	84.8	86.7	87.1	87.1	87.9	88.4	88.4	88.7	88.7	88.7	88.8
≥ 300	48.7	74.1	78.0	82.5	85.1	85.7	87.7	88.4	88.4	89.4	89.9	89.9	90.3	90.4	90.5	90.6
≥ 200	48.7	74.1	78.1	82.7	85.3	86.0	88.0	88.9	88.9	90.0	90.6	90.6	91.1	91.2	92.1	92.4
≥ 100	48.7	74.1	78.1	82.7	85.3	86.0	88.0	88.9	88.9	90.2	91.0	91.0	92.4	92.5	93.5	94.3
≥ 0	48.7	74.1	78.1	82.7	85.3	86.0	88.0	88.9	88.9	90.3	91.1	91.1	92.8	93.0	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON [illegible] 40-[illegible] YEARS [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0700-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.0	16.4	17.0	17.4	17.8	17.8	17.9	18.3	18.0	18.2	18.2	18.2	18.4	18.4	18.4	18.5
≥ 20000	17.5	20.1	20.9	21.3	21.7	21.7	22.0	22.0	22.0	22.4	22.5	22.5	22.7	22.7	22.7	22.9
≥ 18000	17.7	20.3	20.9	21.0	22.0	22.0	22.2	22.3	22.3	22.7	22.8	22.8	23.0	23.0	23.0	23.2
≥ 16000	18.0	20.8	21.2	21.5	22.3	22.3	22.5	22.6	22.6	23.0	23.2	23.2	23.3	23.3	23.4	23.5
≥ 14000	18.7	21.0	22.2	22.4	23.3	23.3	23.4	23.6	23.6	24.1	24.2	24.2	24.4	24.4	24.4	24.5
≥ 12000	20.2	23.4	24.2	24.5	25.4	25.4	25.7	25.7	25.7	26.2	26.3	26.3	26.5	26.5	26.5	26.7
≥ 10000	22.5	26.0	27.0	27.3	28.4	28.4	28.7	28.7	28.7	29.2	29.3	29.3	29.5	29.5	29.5	29.7
≥ 9000	23.5	27.3	28.3	28.6	29.8	29.9	30.2	30.2	30.2	30.7	30.8	30.8	31.0	31.0	31.0	31.1
≥ 8000	26.1	31.1	32.2	32.6	33.9	34.0	34.3	34.4	34.4	34.8	34.9	34.9	35.1	35.1	35.2	35.3
≥ 7000	26.4	34.9	36.2	37.1	37.9	38.0	38.4	38.5	38.5	39.0	39.1	39.1	39.3	39.3	39.3	39.4
≥ 6000	30.5	38.0	38.0	39.0	39.9	39.9	40.4	40.5	40.5	41.0	41.1	41.1	41.3	41.3	41.3	41.4
≥ 5000	32.3	39.9	41.6	42.8	43.6	43.7	44.1	44.1	44.3	44.8	44.9	44.9	45.1	45.1	45.1	45.2
≥ 4500	35.4	42.0	44.8	45.9	47.0	47.1	47.5	47.7	47.7	48.2	48.3	48.3	48.4	48.4	48.5	48.6
≥ 4000	37.3	45.2	47.4	48.7	49.9	50.0	50.4	50.7	50.7	51.2	51.3	51.3	51.5	51.5	51.6	51.7
≥ 3500	39.3	48.7	51.2	52.6	53.9	54.0	54.5	54.8	54.8	55.2	55.3	55.3	55.5	55.5	55.6	55.7
≥ 3000	41.7	52.0	55.8	57.5	58.9	59.0	59.7	59.9	59.9	60.4	60.5	60.5	60.7	60.7	60.7	60.8
≥ 2500	44.1	57.4	60.7	62.7	64.3	64.5	65.4	65.6	65.6	66.1	66.3	66.3	66.5	66.5	66.6	66.7
≥ 2000	47.3	62.8	66.5	68.9	70.7	71.0	72.0	72.2	72.2	72.8	72.9	72.9	73.1	73.1	73.2	73.3
≥ 1800	48.1	64.7	68.6	71.0	72.1	73.4	74.4	74.6	74.6	75.2	75.3	75.3	75.5	75.5	75.6	75.7
≥ 1500	50.5	66.9	73.2	75.8	78.0	78.4	79.5	79.7	79.7	80.3	80.5	80.5	80.6	80.6	80.7	80.8
≥ 1200	51.4	71.4	76.1	78.9	81.2	81.7	83.0	83.2	83.2	83.9	84.0	84.0	84.2	84.2	84.3	84.4
≥ 1000	51.5	72.4	77.4	80.5	82.8	83.4	84.8	85.1	85.1	85.7	85.9	85.9	86.1	86.1	86.1	86.3
≥ 900	51.9	73.1	78.3	81.4	83.8	84.4	85.9	86.3	86.3	87.0	87.2	87.2	87.4	87.4	87.4	87.5
≥ 800	51.9	73.4	78.7	82.1	84.7	85.3	87.0	87.5	87.5	88.2	88.4	88.4	88.6	88.6	88.6	88.7
≥ 700	51.9	73.8	79.4	83.0	85.9	86.6	88.4	89.0	89.0	89.7	89.9	89.9	90.1	90.1	90.1	90.2
≥ 600	51.9	74.0	79.7	83.7	87.0	87.8	89.7	90.3	90.3	91.2	91.4	91.4	91.6	91.6	91.7	91.8
≥ 500	51.9	74.2	79.8	84.0	87.6	88.4	90.5	91.3	91.3	92.2	92.4	92.4	92.6	92.6	92.6	92.7
≥ 400	51.9	74.2	79.8	84.0	87.8	88.6	91.0	91.8	91.8	92.8	93.0	93.0	93.2	93.2	93.3	93.4
≥ 300	51.9	74.2	79.8	84.0	87.9	88.7	91.6	92.6	92.6	94.0	94.4	94.4	94.8	94.8	94.9	95.1
≥ 200	51.9	74.2	79.9	84.1	87.9	88.8	91.7	92.9	92.9	94.3	94.8	94.8	95.4	95.4	95.5	95.7
≥ 100	51.9	74.2	79.9	84.1	87.9	88.8	91.7	92.9	92.9	94.6	95.1	95.1	95.7	95.7	95.9	96.1
0	51.9	74.2	79.9	84.1	87.9	88.8	91.7	92.9	92.9	94.6	95.1	95.1	95.8	95.8	96.0	96.2

TOTAL NUMBER OF OBSERVATIONS 17[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON, WA STATION NAME | 1965 YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1800 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	19.4	19.1	20.1	20.7	21.6	21.[illegible]	22.7	22.[illegible]	22.4	22.5	22.[illegible]	22.[illegible]	22.[illegible]	22.[illegible]	22.[illegible]	22.3
	25.3	25.[illegible]	25.3	25.1	27.2	27.5	28.0	28.[illegible]	28.3	28.7	29.[illegible]	29.[illegible]	29.[illegible]	29.[illegible]	29.[illegible]	29.[illegible]
≥ 18000 ≥ 16000	21.0	24.1	25.3	26.2	27.4	27.8	28.2	28.[illegible]	28.5	28.9	29.[illegible]	29.[illegible]	29.1	29.1	29.1	29.1
	21.3	24.4	25.6	26.5	27.6	27.9	28.6	28.[illegible]	28.9	29.2	29.[illegible]	29.[illegible]	29.5	29.5	29.[illegible]	29.5
≥ 14000 ≥ 12000	22.6	23.[illegible]	27.1	28.0	29.1	29.4	30.1	30.[illegible]	30.3	30.7	30.[illegible]	30.[illegible]	31.0	31.[illegible]	31.0	31.0
	23.1	28.[illegible]	29.8	30.[illegible]	32.1	32.4	33.2	33.[illegible]	33.[illegible]	34.0	34.[illegible]	34.[illegible]	34.3	34.3	34.[illegible]	34.3
≥ 10000 ≥ 9000	27.5	31.0	33.1	34.2	35.3	35.7	36.[illegible]	37.0	37.[illegible]	37.4	37.[illegible]	37.[illegible]	37.7	37.7	37.7	37.7
	28.[illegible]	33.[illegible]	34.9	36.1	37.4	37.[illegible]	38.4	38.[illegible]	38.9	39.3	39.[illegible]	39.[illegible]	39.[illegible]	39.[illegible]	39.[illegible]	39.6
≥ 8000 ≥ 7000	31.1	36.0	37.7	39.0	40.5	40.[illegible]	41.7	42.1	42.1	42.5	42.7	42.7	42.8	42.[illegible]	42.[illegible]	42.8
	35.3	39.[illegible]	41.7	43.3	45.1	45.[illegible]	46.[illegible]	46.[illegible]	46.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.5
≥ 6000 ≥ 5000	34.9	41.0	43.6	45.[illegible]	47.0	47.[illegible]	48.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]
	37.3	43.1	47.1	49.7	51.5	52.1	53.[illegible]	53.[illegible]	53.[illegible]	53.7	54.[illegible]	54.[illegible]	54.[illegible]	54.[illegible]	54.[illegible]	54.[illegible]
≥ 4500 ≥ 4000	39.3	47.0	49.7	51.4	53.4	53.[illegible]	54.7	55.1	55.1	55.5	55.7	55.7	55.8	55.[illegible]	55.[illegible]	55.8
	41.3	51.[illegible]	53.1	54.7	56.9	57.2	58.4	59.[illegible]	59.[illegible]	59.4	59.[illegible]	59.[illegible]	59.7	59.7	59.[illegible]	59.7
≥ 3500 ≥ 3000	43.[illegible]	54.1	57.[illegible]	59.[illegible]	61.1	61.4	62.7	63.3	63.3	63.7	63.[illegible]	63.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]
	45.1	56.1	61.7	63.[illegible]	66.1	66.4	67.[illegible]	68.[illegible]	68.3	68.7	68.[illegible]	68.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]
≥ 2500 ≥ 2000	49.[illegible]	63.1	67.[illegible]	69.5	72.1	72.5	74.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.5
	52.4	69.4	73.4	76.3	79.1	79.4	81.[illegible]	81.[illegible]	81.[illegible]	82.[illegible]	82.[illegible]	82.[illegible]	[illegible].2	82.[illegible]	82.[illegible]	82.2
≥ 1800 ≥ 1500	53.2	71.[illegible]	75.[illegible]	78.[illegible]	81.7	82.[illegible]	83.7	84.3	84.3	84.7	84.9	84.[illegible]	85.[illegible]	85.[illegible]	85.[illegible]	85.[illegible]
	54.[illegible]	73.1	76.3	81.[illegible]	84.7	85.1	87.1	87.[illegible]	87.[illegible]	88.2	88.[illegible]	88.[illegible]	88.5	88.[illegible]	88.5	88.[illegible]
≥ 1200 ≥ 1000	54.4	75.[illegible]	80.3	84.[illegible]	87.5	87.9	89.9	90.[illegible]	90.[illegible]	91.1	91.[illegible]	91.[illegible]	91.[illegible]	91.[illegible]	91.[illegible]	91.[illegible]
	54.4	76.[illegible]	81.[illegible]	86.[illegible]	89.7	90.1	92.7	93.1	93.1	93.[illegible]	93.[illegible]	93.[illegible]	93.9	93.9	93.9	93.9
≥ 900 ≥ 800	54.4	76.1	81.8	86.6	90.6	91.[illegible]	93.3	94.1	94.1	94.7	94.[illegible]	94.[illegible]	94.9	94.9	94.9	94.[illegible]
	54.9	76.3	82.1	87.[illegible]	91.1	91.[illegible]	93.9	94.[illegible]	94.5	95.3	95.[illegible]	95.[illegible]	95.7	95.7	95.7	95.7
≥ 700 ≥ 600	54.4	76.2	82.4	87.3	91.9	92.4	94.8	95.[illegible]	95.9	96.4	96.[illegible]	96.[illegible]	96.8	96.[illegible]	96.[illegible]	96.[illegible]
	56.4	76.1	82.[illegible]	87.[illegible]	92.6	93.2	95.7	96.[illegible]	96.8	97.4	97.[illegible]	97.[illegible]	97.8	97.[illegible]	97.[illegible]	97.[illegible]
≥ 500 ≥ 400	54.4	76.[illegible]	82.7	87.8	92.6	93.4	96.[illegible]	97.1	97.1	97.8	98.[illegible]	98.[illegible]	98.2	98.[illegible]	98.[illegible]	[illegible].[illegible]
	54.4	76.8	82.7	87.9	92.8	93.6	96.1	97.3	97.3	98.[illegible]	98.[illegible]	98.[illegible]	98.7	98.[illegible]	98.[illegible]	[illegible].[illegible]
≥ 300 ≥ 200	54.4	76.8	82.7	87.9	92.8	93.6	96.2	97.[illegible]	97.5	98.[illegible]	98.[illegible]	98.[illegible]	99.1	99.1	99.1	99.1
	54.4	76.8	82.7	87.9	92.8	93.6	96.2	97.[illegible]	97.5	98.[illegible]	98.[illegible]	98.[illegible]	99.3	99.3	99.3	[illegible].[illegible]
≥ 100 ≥ 0	54.4	76.8	82.7	87.9	92.8	93.6	96.2	97.[illegible]	97.5	98.[illegible]	98.[illegible]	98.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]
	54.4	76.8	82.7	87.9	92.8	93.6	96.2	97.[illegible]	97.5	98.4	98.9	99.0	99.[illegible]	99.1	99.[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS 17.

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.5	20.0	21.2	22.0	23.3	23.9	24.1	24.1	24.1	24.4	24.5	24.5	24.5	24.5	24.5	24.5
≥ 20000	23.4	26.6	27.5	28.4	30.1	30.1	30.9	31.0	31.1	31.7	31.9	31.9	31.9	31.9	31.9	31.9
≥ 18000	25.0	28.1	29.6	30.7	32.3	32.4	32.7	32.8	32.9	33.6	33.7	33.7	33.7	33.7	33.7	33.7
≥ 16000	26.0	29.4	30.9	32.4	34.0	34.1	34.1	34.2	34.2	34.7	34.9	34.9	34.9	34.9	34.9	34.9
≥ 14000	28.3	32.4	34.9	36.9	38.5	38.6	38.8	38.9	38.9	39.2	39.3	39.3	39.3	39.4	39.4	39.4
≥ 12000	28.9	33.1	35.9	38.0	39.8	39.9	40.2	40.3	40.3	40.6	40.7	40.7	40.7	40.8	40.8	40.8
≥ 10000	29.1	33.4	36.6	38.8	40.7	40.8	41.1	41.3	41.4	41.7	41.8	41.8	41.8	41.9	41.9	41.9
≥ 9000	29.2	34.0	37.3	39.8	41.7	41.9	42.2	42.3	42.4	42.7	42.8	42.8	42.8	42.9	42.9	42.9
≥ 8000	32.9	38.0	42.0	44.8	47.1	47.3	47.7	47.9	48.0	48.3	48.4	48.4	48.4	48.5	48.5	48.5
≥ 7000	34.1	41.3	46.2	49.0	51.3	51.5	51.9	52.0	52.1	52.4	52.5	52.5	52.5	52.6	52.6	52.6
≥ 6000	35.9	43.4	48.6	51.8	54.3	54.5	54.9	55.1	55.2	55.5	55.6	55.6	55.6	55.6	55.6	55.6
≥ 5000	38.0	47.3	53.4	57.1	59.9	60.2	60.7	60.9	61.0	61.4	61.5	61.5	61.5	61.6	61.6	61.6
≥ 4500	40.0	50.9	57.3	61.2	64.2	64.5	65.0	65.2	65.3	65.7	65.8	65.8	65.8	65.9	65.9	65.9
≥ 4000	42.9	55.0	62.4	66.8	70.1	70.5	71.0	71.2	71.3	71.7	71.8	71.8	71.8	71.9	71.9	71.9
≥ 3500	44.6	58.9	66.5	71.0	74.6	75.0	75.5	75.7	75.8	76.2	76.3	76.3	76.3	76.4	76.4	76.4
≥ 3000	47.3	63.4	71.7	76.8	80.7	81.2	81.7	81.9	82.0	82.4	82.5	82.5	82.5	82.6	82.6	82.6
≥ 2500	48.7	66.6	75.1	80.4	84.6	85.0	85.6	85.8	85.9	86.3	86.4	86.4	86.4	86.5	86.5	86.5
≥ 2000	50.2	70.4	79.6	85.1	89.5	90.0	90.6	90.8	90.9	91.3	91.4	91.4	91.4	91.5	91.5	91.5
≥ 1800	50.6	71.6	80.9	86.5	91.0	91.5	92.1	92.3	92.4	92.8	92.9	92.9	92.9	93.0	93.0	93.0
≥ 1500	50.9	73.3	82.8	88.6	93.2	93.7	94.3	94.5	94.6	95.0	95.1	95.1	95.1	95.2	95.2	95.2
≥ 1200	51.4	74.9	85.1	91.0	95.8	96.3	96.9	97.1	97.2	97.6	97.7	97.7	97.7	97.8	97.8	97.8
≥ 1000	51.7	75.8	86.6	92.7	97.6	98.1	98.7	98.9	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6
≥ 900	51.8	75.9	86.8	92.9	97.8	98.3	98.9	99.1	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8
≥ 800	51.8	76.0	87.0	93.1	98.0	98.5	99.1	99.3	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 700	51.8	76.1	87.3	93.4	98.3	98.8	99.4	99.6	99.7	100.0	100.0	100.0	100.0			
≥ 600	51.9	76.3	87.5	93.6	98.5	99.0	99.6	99.8	99.9							
≥ 500	51.9	76.4	87.6	93.7	98.6	99.1	99.7	99.9	100.0							
≥ 400	51.9	76.4	87.6	93.7	98.6	99.1	99.7	99.9	100.0							
≥ 300	51.9	76.5	87.7	93.8	98.7	99.2	99.8	100.0								
≥ 200	51.9	76.5	87.7	93.8	98.7	99.2	99.8	100.0								
≥ 100	51.9	76.5	87.7	93.8	98.7	99.2	99.8	100.0								
0	51.9	76.5	87.7	93.8	98.7	99.2	99.8	100.0								

TOTAL NUMBER OF OBSERVATIONS 17[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON, NAS STATION NAME | 59-70 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥5/16	≥¼	≥0
NO CEILING	18.2	22.8	23.9	24.7	25.7	26.9	26.9	27.0	27.0	27.2	27.2	27.4	27.3	27.4	27.4	27.4
≥ 20000	21.1	26.2	27.3	28.4	29.4	29.7	30.7	30.9	30.7	31.4	31.4	31.4	31.4	31.5	31.5	31.5
≥ 18000	21.1	26.3	27.5	28.4	29.5	29.8	30.7	31.0	31.0	31.4	31.4	31.4	31.5	31.6	31.6	31.6
≥ 16000	21.5	26.6	27.9	28.8	29.9	30.2	31.2	31.4	31.4	31.9	31.9	31.9	32.0	32.0	32.0	32.0
≥ 14000	22.2	27.4	28.8	29.7	30.7	31.1	32.1	32.3	32.3	32.6	32.6	32.6	32.8	32.7	32.7	32.9
≥ 12000	23.9	29.4	31.0	31.9	33.2	33.6	34.6	34.9	34.9	35.3	35.4	35.4	35.6	35.5	35.5	35.5
≥ 10000	25.1	32.1	34.0	35.1	36.6	37.0	37.9	38.2	38.2	38.7	38.7	38.7	38.9	38.8	38.8	38.8
≥ 9000	25.7	33.4	35.5	36.6	38.3	38.7	39.7	40.0	40.0	40.5	40.5	40.5	40.7	40.6	40.6	40.6
≥ 8000	26.5	34.0	36.1	37.1	39.0	39.4	40.4	40.7	40.7	41.2	41.2	41.2	41.3	41.3	41.3	41.3
≥ 7000	31.5	40.4	42.5	43.6	45.3	45.9	46.8	47.1	47.1	47.6	47.6	47.6	47.8	47.7	47.7	47.7
≥ 6000	33.4	42.4	45.0	46.2	48.2	48.8	49.5	49.8	49.6	50.3	50.3	50.3	50.3	50.4	50.4	50.4
≥ 5000	36.2	47.8	49.9	51.3	53.3	54.1	54.7	55.2	54.9	55.4	55.4	55.4	55.5	55.5	55.5	55.5
≥ 4500	37.3	50.9	53.1	54.4	56.4	56.8	57.6	58.1	58.1	58.6	58.6	58.6	58.6	58.7	58.7	58.7
≥ 4000	40.7	54.7	57.1	58.6	60.7	61.1	62.1	62.4	62.4	62.8	62.8	62.8	62.9	62.9	62.9	62.9
≥ 3500	45.4	59.0	62.4	64.0	66.3	66.7	67.7	68.0	68.0	68.4	68.4	68.4	68.5	68.6	68.6	68.6
≥ 3000	45.5	63.5	66.9	68.8	70.8	71.1	72.1	72.4	72.4	72.8	72.8	72.8	72.9	72.9	72.9	72.9
≥ 2500	47.1	64.6	70.9	72.5	75.2	75.7	76.8	77.1	77.1	77.6	77.6	77.6	77.6	77.7	77.7	77.7
≥ 2000	54.5	72.1	76.1	78.0	80.6	81.1	82.2	82.5	82.5	83.0	83.0	83.0	83.1	83.2	83.2	83.2
≥ 1800	59.9	78.3	77.6	79.6	82.4	82.9	83.9	84.3	84.3	84.8	84.8	84.8	84.8	84.9	84.9	84.9
≥ 1500	61.0	79.1	80.0	82.8	85.7	86.2	87.3	87.6	87.7	88.2	88.2	88.2	88.3	88.4	88.4	88.4
≥ 1200	61.0	77.3	82.6	85.0	88.0	88.6	89.8	90.3	90.3	90.9	90.9	90.9	90.9	91.0	91.0	91.1
≥ 1000	61.7	76.3	83.7	86.3	89.6	90.4	91.7	92.2	92.2	92.8	92.8	92.8	92.9	92.9	92.9	93.0
≥ 900	61.8	78.9	84.4	87.2	90.5	91.3	92.6	93.0	93.1	93.6	93.6	93.6	93.7	93.9	93.9	93.9
≥ 800	61.8	79.3	84.8	87.8	91.1	91.9	93.3	93.8	93.9	94.4	94.4	94.4	94.5	94.6	94.6	94.7
≥ 700	62.0	79.1	85.2	88.4	92.0	92.9	94.3	94.8	94.8	95.3	95.4	95.4	95.5	95.6	95.6	95.7
≥ 600	62.0	79.8	85.6	89.1	92.6	93.5	95.0	95.5	95.5	96.0	96.1	96.1	96.2	96.3	96.3	96.4
≥ 500	62.0	79.9	85.7	89.3	92.9	93.9	95.6	96.0	96.1	96.7	96.8	96.8	97.0	97.1	97.1	97.2
≥ 400	62.0	79.9	85.6	89.5	93.2	94.3	96.0	96.5	96.6	97.2	97.3	97.3	97.5	97.6	97.7	97.8
≥ 300	62.0	80.1	86.0	89.8	93.4	94.5	96.3	96.8	96.8	97.5	97.6	97.6	98.1	98.2	98.3	98.4
≥ 200	62.0	80.1	86.0	89.8	93.4	94.5	96.3	97.0	97.0	97.8	98.0	98.0	98.6	98.7	98.9	99.0
≥ 100	62.0	80.1	86.0	89.8	93.4	94.5	96.4	97.0	97.1	97.9	98.2	98.2	98.7	99.0	99.1	99.3
≥ 0	62.0	80.1	86.0	89.8	93.4	94.5	96.4	97.0	97.1	97.9	98.2	98.2	98.7	99.0	99.1	99.3

TOTAL NUMBER OF OBSERVATIONS 17.

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 (STATION) SEATTLE WASHINGTON U.S. (STATION NAME) 49-60 (YEARS) JUN (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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.2	20.8	21.6	22.3	23.4	23.5	24.1	24.3	24.3	25.0	25.3	25.3	25.3	25.3	25.3	25.3
≥ 20000	17.9	23.3	24.3	25.2	26.3	26.4	27.1	27.2	27.3	28.2	28.5	28.5	28.5	28.5	28.5	28.5
≥ 18000	18.0	23.4	24.4	25.2	26.4	26.5	27.1	27.3	27.4	28.2	28.6	28.6	28.6	28.6	28.6	28.6
≥ 16000	18.2	23.6	24.7	25.5	26.7	26.8	27.4	27.6	27.6	28.5	28.9	28.9	28.9	28.9	28.9	28.9
≥ 14000	18.9	24.4	25.5	26.4	27.5	27.6	28.3	28.5	28.6	29.4	29.8	29.8	29.8	29.8	29.8	29.8
≥ 12000	20.1	26.3	27.4	28.3	29.4	29.5	30.2	30.4	30.5	31.3	31.7	31.7	31.7	31.7	31.7	31.7
≥ 10000	22.8	29.0	30.2	31.3	32.6	32.8	33.4	33.6	33.7	34.5	34.9	34.9	34.9	34.9	34.9	35.0
≥ 9000	23.3	30.3	31.5	32.6	34.2	34.3	35.0	35.2	35.3	36.2	36.6	36.6	36.6	36.6	36.6	36.7
≥ 8000	26.3	34.1	35.4	36.6	38.2	38.3	39.0	39.3	39.3	40.2	40.6	40.6	40.6	40.6	40.6	40.6
≥ 7000	27.9	36.1	38.0	39.2	40.7	40.9	41.6	41.8	41.9	42.8	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000	29.8	39.4	40.7	42.0	43.5	43.6	44.3	44.6	44.7	45.5	45.9	45.9	45.9	45.9	45.9	46.0
≥ 5000	32.8	44.0	45.5	46.7	48.3	48.4	49.1	49.4	49.4	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 4500	34.5	46.1	48.3	49.8	51.3	51.5	52.2	52.5	52.6	53.4	53.7	53.7	53.9	53.9	53.9	53.9
≥ 4000	36.1	49.8	51.7	53.2	54.7	54.9	55.6	55.9	56.0	56.8	57.2	57.2	57.2	57.2	57.2	57.3
≥ 3500	39.4	55.5	57.6	59.3	60.9	61.0	61.8	62.1	62.1	63.0	63.4	63.4	63.4	63.4	63.4	63.4
≥ 3000	43.0	61.3	63.6	65.3	67.0	67.2	68.0	68.3	68.3	69.2	69.6	69.6	69.6	69.6	69.6	69.7
≥ 2500	45.0	66.0	68.5	70.3	72.2	72.4	73.3	73.6	73.6	74.3	74.9	74.9	74.9	74.9	74.9	74.9
≥ 2000	47.4	69.8	72.9	75.1	76.8	77.0	77.9	78.2	78.2	79.1	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1800	48.2	71.5	74.7	77.0	78.7	78.9	79.8	80.1	80.1	81.0	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500	49.4	74.1	78.2	80.5	82.5	82.7	83.6	83.9	84.0	84.8	85.2	85.2	85.2	85.2	85.2	85.3
≥ 1200	50.3	76.4	80.0	82.6	84.5	84.7	85.7	86.0	86.0	86.9	87.3	87.3	87.3	87.3	87.3	87.4
≥ 1000	50.7	77.7	81.7	84.5	86.6	86.8	87.8	88.1	88.2	89.1	89.5	89.5	89.5	89.5	89.5	89.6
≥ 900	50.7	78.0	82.1	85.2	87.3	87.5	88.5	88.9	88.9	89.9	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	50.9	78.3	82.6	85.7	87.9	88.2	89.2	89.6	89.7	90.6	91.0	91.0	91.0	91.0	91.0	91.1
≥ 700	51.0	78.8	83.0	86.3	88.5	88.7	89.8	90.2	90.3	91.3	91.7	91.7	91.8	91.8	91.8	91.8
≥ 600	51.0	79.0	83.4	86.9	89.1	89.3	90.4	90.9	90.9	92.0	92.4	92.4	92.5	92.5	92.5	92.5
≥ 500	51.1	79.4	83.8	87.4	89.7	90.0	91.4	91.8	91.9	93.0	93.4	93.4	93.5	93.5	93.5	93.6
≥ 400	51.1	79.7	84.1	88.0	90.5	90.7	92.4	92.9	92.9	94.1	94.5	94.5	94.7	94.7	94.7	94.8
≥ 300	51.1	79.7	84.1	88.2	90.7	91.0	92.9	93.5	93.6	94.8	95.3	95.3	95.7	95.7	95.8	95.8
≥ 200	51.1	79.7	84.1	88.2	90.7	91.0	92.9	93.6	93.6	95.3	95.9	96.0	96.4	96.6	96.7	96.8
≥ 100	51.1	79.7	84.1	88.2	90.7	91.0	92.9	93.6	93.6	95.4	96.1	96.1	96.8	96.9	97.3	97.4
≥ 0	51.2	79.7	84.2	88.2	90.7	91.1	92.9	93.6	93.7	95.5	96.1	96.1	97.1	97.3	97.8	98.0

TOTAL NUMBER OF OBSERVATIONS 17.

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON WBAS STATION NAME | 1956-60 YEARS | ALL 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.1	19.1	19.9	20.5	21.3	21.9	22.0	22.1	22.1	22.3	22.	22.	22.8	22.8	22.3	22.7
≥ 20000	18.0	21.9	22.9	23.7	24.8	25.0	25.6	25.8	25.9	26.3	26.5	26.5	26.5	26.6	26.7	26.7
≥ 18000	18.1	22.0	23.0	23.9	24.9	25.1	25.8	26.0	26.0	26.3	26.	26.5	26.6	26.6	26.9	26.9
≥ 16000	18.4	22.4	23.4	24.4	25.3	25.5	26.1	26.3	26.4	26.7	27.	27.0	27.2	27.2	27.2	27.3
≥ 14000	19.4	23.5	24.5	25.4	26.5	26.8	27.3	27.5	27.5	28.1	28.2	28.2	28.3	28.4	28.4	28.5
≥ 12000	20.4	24.4	25.5	26.4	27.4	28.6	28.8	29.5	29.7	29.7	30.3	30.4	30.4	30.6	30.6	30.7
≥ 10000	23.0	28.0	29.2	30.3	31.6	31.5	32.9	32.7	32.7	33.3	33.4	33.4	33.4	33.5	33.5	33.7
≥ 9000	23.4	29.2	30.6	31.7	33.0	33.2	33.7	34.2	34.2	34.8	34.8	34.9	35.1	35.1	35.1	35.2
≥ 8000	26.5	32.9	34.3	35.3	36.9	37.1	37.8	38.1	38.1	38.7	38.8	38.9	39.0	39.0	39.0	39.1
≥ 7000	28.9	36.0	37.5	38.8	40.3	40.5	41.3	41.6	41.6	42.2	42.3	42.3	42.4	42.4	42.5	42.6
≥ 6000	30.4	38.2	39.7	41.1	42.6	42.8	43.5	43.7	43.9	44.5	44.6	44.6	44.8	44.8	44.9	44.9
≥ 5000	33.0	42.0	43.6	45.1	46.7	46.9	47.7	48.0	48.0	48.6	48.7	48.7	48.9	48.9	49.0	49.0
≥ 4500	35.0	44.9	46.7	48.2	49.8	50.1	50.9	51.2	51.2	51.7	51.9	51.9	52.1	52.1	52.2	52.2
≥ 4000	36.9	48.2	50.1	51.7	53.4	53.7	54.5	54.8	54.8	55.4	55.6	55.6	55.7	55.7	55.8	55.8
≥ 3500	39.0	52.3	54.4	56.2	58.0	58.2	59.1	59.4	59.4	60.0	60.2	60.2	60.3	60.3	60.4	60.4
≥ 3000	41.1	56.9	59.4	61.3	63.2	63.4	64.4	64.7	64.7	65.3	65.5	65.5	65.6	65.6	65.7	65.7
≥ 2500	44.1	61.3	64.1	66.3	68.3	68.6	69.7	70.0	70.0	70.6	70.7	70.7	70.9	70.9	71.0	71.0
≥ 2000	46.5	66.4	69.5	72.0	74.1	74.4	75.5	75.8	75.8	76.4	76.6	76.6	76.8	76.8	76.8	76.8
≥ 1800	47.4	68.0	71.3	74.0	76.2	76.6	77.7	78.0	78.1	78.7	78.8	78.8	79.0	79.0	79.1	79.1
≥ 1500	48.3	71.1	75.0	77.7	80.1	80.5	81.7	82.0	82.0	82.7	82.8	82.9	83.0	83.0	83.1	83.1
≥ 1200	49.7	73.4	77.6	80.3	83.1	83.5	84.9	85.2	85.2	85.9	86.1	86.1	86.3	86.3	86.4	86.4
≥ 1000	50.1	74.0	78.3	82.7	85.3	85.8	87.2	87.6	87.6	88.3	88.5	88.5	88.7	88.7	88.8	88.8
≥ 900	50.1	75.2	79.6	83.4	86.1	86.6	88.1	88.5	88.3	89.2	89.4	89.4	89.6	89.6	89.7	89.7
≥ 800	50.2	75.6	80.3	84.0	86.9	87.4	88.9	89.4	89.4	90.1	90.3	90.3	90.3	90.3	90.5	90.5
≥ 700	50.3	76.0	80.9	84.7	87.8	88.3	89.9	90.4	90.5	91.2	91.4	91.4	91.5	91.5	91.7	91.7
≥ 600	50.3	76.2	81.2	85.3	88.4	89.0	90.7	91.3	91.3	92.1	92.3	92.3	92.5	92.5	92.6	92.6
≥ 500	50.3	76.4	81.4	85.6	88.9	89.6	91.4	92.0	92.0	92.8	93.	93.1	93.3	93.3	93.4	93.5
≥ 400	50.3	76.5	81.5	85.8	89.2	89.9	91.9	92.6	92.6	93.5	93.7	93.7	94.1	94.1	94.2	94.4
≥ 300	50.4	76.6	81.7	86.0	89.3	90.3	92.3	93.3	93.3	94.3	94.4	94.6	95.1	95.1	95.2	95.3
≥ 200	50.4	76.6	81.7	86.1	89.6	90.4	92.7	93.5	93.6	94.7	95.1	95.1	95.6	95.7	95.8	95.9
≥ 100	50.4	76.6	81.7	86.1	89.6	90.4	92.7	93.6	93.6	94.8	95.3	95.4	96.3	96.6	97.1	97.3
≥ 0	50.4	76.6	81.7	86.1	89.6	90.4	92.7	93.6	93.6	94.9	95.4	95.4	96.5	96.8	97.7	98.0

TOTAL NUMBER OF OBSERVATIONS 3 [illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24264 STATION | SEATTLE [illegible] STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible] HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.9	14.0	15.4	15.9	16.4	16.5	16.9	17.1	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.4
≥ 20000	11.9	13.8	15.2	15.7	16.2	16.4	16.8	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	17.1
≥ 18000	13.2	17.3	18.1	18.5	19.1	19.3	19.7	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.2	20.4
≥ 16000	13.1	16.1	16.7	17.2	17.7	17.9	18.4	18.5	18.6	18.7	18.7	18.7	18.7	18.7	18.8	19.0
≥ 14000	19.1	19.6	19.2	19.7	20.3	20.5	21.0	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.4	21.5
≥ 12000	18.1	18.9	20.2	20.7	21.3	21.4	21.9	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.3	22.5
≥ 10000	20.9	21.6	22.5	23.0	23.7	23.9	24.5	24.7	24.7	24.8	24.8	24.8	24.9	24.9	24.9	25.1
≥ 9000	17.1	23.1	24.1	24.5	25.3	25.5	26.1	26.3	26.3	26.4	26.4	26.4	26.5	26.5	26.5	26.7
≥ 8000	19.1	26.0	27.0	27.5	28.2	28.4	29.0	29.2	29.2	29.3	29.3	29.3	29.4	29.4	29.4	29.5
≥ 7000	21.1	28.9	30.0	30.5	31.1	31.4	32.0	32.2	32.2	32.3	32.3	32.3	32.4	32.4	32.4	32.6
≥ 6000	23.3	31.1	32.3	33.3	34.0	34.2	34.9	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.3	35.4
≥ 5000	25.0	33.0	34.2	35.1	35.9	36.1	36.8	37.1	37.1	37.2	37.2	37.2	37.3	37.3	37.4	37.5
≥ 4500	25.5	34.1	40.2	40.1	41.5	41.8	42.4	42.6	42.6	42.7	42.7	42.7	42.8	42.8	42.8	43.0
≥ 4000	31.2	42.2	43.2	44.5	45.1	45.3	46.2	46.3	46.3	46.4	46.4	46.4	46.4	46.5	46.5	46.7
≥ 3500	33.4	46.3	47.9	48.8	49.7	49.9	50.6	50.8	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.2
≥ 3000	35.9	51.0	51.3	54.3	55.2	55.5	56.1	56.3	56.3	56.5	56.5	56.5	56.5	56.6	56.6	56.8
≥ 2500	39.2	52.0	59.3	60.9	62.0	62.2	62.9	63.0	63.0	63.2	63.2	63.2	63.3	63.3	63.3	63.6
≥ 2000	42.7	56.1	67.9	69.2	70.4	70.6	71.2	71.4	71.4	71.6	71.6	71.6	71.7	71.7	71.8	72.0
≥ 1800	44.0	58.5	70.8	72.1	73.4	73.6	74.4	74.5	74.5	74.7	74.7	74.7	74.9	74.9	74.9	75.1
≥ 1500	45.6	73.9	76.4	76.0	79.4	79.7	80.4	80.6	80.6	80.9	80.9	80.9	81.0	81.0	81.1	81.3
≥ 1200	47.9	77.4	80.0	82.0	83.5	83.8	84.5	84.8	84.8	85.0	85.0	85.0	85.2	85.2	85.2	85.4
≥ 1000	48.9	79.3	82.7	84.0	86.6	86.9	87.8	88.0	88.0	88.4	88.4	88.4	88.5	88.5	88.5	88.7
≥ 900	49.2	80.5	83.7	86.0	87.9	88.2	89.0	89.3	89.3	89.7	89.7	89.7	89.8	89.8	89.8	90.0
≥ 800	49.4	81.4	84.6	87.0	89.0	89.3	90.3	90.5	90.5	90.9	90.9	90.9	91.0	91.0	91.1	91.2
≥ 700	49.5	81.7	85.0	87.4	89.4	89.8	90.8	91.0	91.0	91.4	91.4	91.4	91.5	91.5	91.5	91.7
≥ 600	49.5	81.8	85.1	87.7	89.7	90.0	91.1	91.3	91.3	91.7	91.7	91.8	92.0	92.0	92.0	92.2
≥ 500	49.5	82.3	85.6	88.2	90.5	90.9	92.0	92.2	92.2	92.6	92.7	92.7	92.9	92.9	92.9	93.1
≥ 400	49.5	82.4	85.9	88.5	91.0	91.4	92.7	92.9	92.9	93.4	93.5	93.5	93.7	93.7	93.7	93.9
≥ 300	49.5	82.5	86.0	88.7	91.5	91.8	93.2	93.4	93.4	94.0	94.2	94.2	94.4	94.4	94.4	[illegible]
≥ 200	49.5	82.6	86.2	88.9	91.7	92.0	93.4	93.7	93.7	94.4	94.6	94.6	94.9	94.9	95.2	[illegible]
≥ 100	49.5	82.6	86.2	88.9	91.8	92.1	93.5	93.8	93.8	94.5	94.8	94.8	95.1	95.1	95.7	[illegible]
0	49.5	82.6	86.2	88.9	91.8	92.1	93.5	93.9	93.9	94.7	94.9	94.9	95.3	95.3	95.7	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

[illegible] STATION | [illegible] STATION NAME | [illegible] YEARS | [illegible] 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.1	14.3	15.0	15.9	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.7	16.7	16.7	16.8	16.9
≥ 20000	12.1	16.1	17.7	17.8	18.2	18.2	18.4	18.4	18.4	18.5	18.5	18.5	18.5	18.5	18.7	18.7
≥ 18000	12.2	16.2	17.1	18.0	18.6	18.6	18.7	18.8	18.8	18.9	18.9	18.9	18.9	18.9	19.1	19.1
≥ 16000	12.1	16.1	17.4	18.4	18.9	18.9	19.0	19.0	19.0	19.1	19.1	19.1	19.1	19.1	19.4	19.4
≥ 14000	12.8	17.0	17.6	18.5	19.1	19.1	19.2	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.8	19.8
≥ 12000	13.2	17.7	18.2	19.4	20.0	20.0	20.2	20.2	20.2	20.3	20.3	20.3	20.4	20.4	20.7	20.8
≥ 10000	14.5	19.2	20.1	21.0	21.6	21.7	22.0	22.1	22.1	22.1	22.1	22.2	22.2	22.4	22.4	22.4
≥ 9000	15.2	20.2	20.8	21.7	22.4	22.4	22.7	22.8	22.8	22.9	22.9	22.9	22.9	22.9	23.1	23.1
≥ 8000	17.9	23.9	24.5	25.5	26.1	26.2	26.5	26.6	26.6	26.6	26.6	26.6	26.7	26.7	26.9	26.9
≥ 7000	18.2	26.4	27.0	28.0	28.7	29.0	29.2	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.6	29.6
≥ 6000	20.9	29.0	29.7	30.8	31.4	31.6	31.8	32.0	32.0	32.0	32.1	32.1	32.1	32.2	32.3	32.3
≥ 5000	23.3	32.1	33.4	34.3	35.2	35.3	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.9	36.0	36.0
≥ 4500	25.0	35.2	36.9	38.1	38.8	38.9	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.7	39.7
≥ 4000	27.3	37.4	40.3	41.5	42.2	42.3	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	43.0	43.0
≥ 3500	29.0	40.8	44.8	46.1	46.8	47.0	47.3	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.7	47.7
≥ 3000	32.9	49.7	51.1	52.4	53.2	53.3	53.8	53.9	53.8	53.9	53.9	53.9	53.9	53.9	54.2	54.2
≥ 2500	35.3	55.4	57.2	58.1	59.5	59.7	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.5	60.5
≥ 2000	38.1	62.8	65.2	66.7	67.5	67.7	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.6	68.6
≥ 1800	40.1	65.7	68.1	69.7	70.6	70.9	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.9	71.9
≥ 1500	43.0	71.4	74.0	76.1	77.1	77.3	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.4	78.4
≥ 1200	46.9	75.9	79.1	81.3	82.3	82.5	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.5	83.6
≥ 1000	49.6	77.1	81.1	83.6	84.9	85.2	85.9	86.0	86.0	86.0	86.1	86.2	86.2	86.2	86.4	86.4
≥ 900	50.9	78.6	82.1	84.8	86.2	86.4	87.1	87.2	87.2	87.3	87.3	87.4	87.4	87.4	87.6	87.6
≥ 800	54.1	79.4	83.0	85.9	87.3	87.6	88.4	88.5	88.5	88.6	88.7	88.8	88.8	88.8	89.0	89.0
≥ 700	56.3	79.8	83.4	86.3	87.8	88.1	88.9	89.0	89.0	89.1	89.2	89.3	89.3	89.3	89.5	89.5
≥ 600	59.3	80.6	84.4	87.5	89.0	89.3	90.2	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.8	90.8
≥ 500	60.6	80.9	84.9	88.2	89.7	90.1	91.0	91.1	91.1	91.2	91.3	91.4	91.4	91.4	91.7	91.7
≥ 400	60.9	81.0	85.4	88.8	90.7	91.1	92.1	92.2	92.2	92.3	92.4	92.5	92.5	92.6	92.9	92.9
≥ 300	60.6	81.4	85.9	89.4	91.6	92.0	93.2	93.3	93.4	93.4	93.5	93.6	93.7	93.7	94.0	94.1
≥ 200	60.6	81.5	86.0	89.5	91.8	92.2	93.4	93.5	93.5	94.0	94.2	94.3	94.4	94.4	94.9	95.1
≥ 100	60.6	81.5	86.0	89.5	91.8	92.3	93.5	93.7	93.7	94.3	94.5	94.6	95.0	95.1	95.7	
0	60.6	81.5	86.0	89.5	91.8	92.3	93.5	93.7	93.7	94.3	94.5	94.6	95.1	95.2	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 17[illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON STATION NAME | 49-50 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0620 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	13.4	12.6	13.2	13.7	14.2	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.6
≥ 20000	12.1	12.7	13.4	13.9	14.4	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.7
≥ 18000	12.2	13.0	13.4	13.9	14.4	14.5	14.6	14.6	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7
≥ 16000	12.3	13.1	13.5	14.0	14.5	14.6	14.7	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.9
≥ 14000	12.6	13.6	14.0	14.5	15.0	15.1	15.2	15.2	15.2	15.3	15.3	15.3	15.3	15.3	15.3	15.4
≥ 12000	13.2	14.1	14.7	15.2	15.7	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
≥ 10000	15.2	19.3	20.0	20.5	21.0	21.2	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.7
≥ 9000	15.7	20.0	21.0	21.6	22.1	22.2	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.5	22.5	22.6
≥ 8000	17.2	24.1	24.5	25.1	25.5	25.9	26.1	26.1	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.3
≥ 7000	21.0	26.5	27.0	27.6	28.3	28.5	28.6	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.9
≥ 6000	21.9	28.0	28.5	29.3	29.9	30.1	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5
≥ 5000	23.6	30.0	31.2	32.3	32.7	32.9	33.0	33.0	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.3
≥ 4500	26.1	33.2	33.9	36.7	37.4	37.5	37.7	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 4000	27.4	36.0	36.8	39.6	40.3	40.4	40.5	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 3500	30.5	42.1	42.9	43.9	44.6	44.8	45.0	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 3000	33.9	46.9	48.1	49.2	50.0	50.2	50.4	50.5	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 2500	35.9	52.3	53.7	55.0	56.0	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6
≥ 2000	40.4	59.4	61.7	63.1	64.2	64.4	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.9
≥ 1800	41.2	61.9	63.8	65.3	66.6	66.8	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.3
≥ 1500	44.1	67.9	70.2	72.3	73.6	73.9	74.2	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1200	45.1	73.0	75.9	78.1	79.9	80.1	80.5	80.5	80.5	80.8	80.8	80.8	80.9	80.9	80.9	80.9
≥ 1000	46.9	76.1	79.1	81.6	83.4	83.6	84.1	84.2	84.2	84.5	84.5	84.5	84.7	84.7	84.7	84.8
≥ 900	47.1	77.2	80.2	82.7	84.6	84.9	85.5	85.6	85.6	85.9	86.1	86.0	86.2	86.2	86.2	86.2
≥ 800	47.3	78.0	81.1	83.8	86.0	86.3	86.9	87.0	87.0	87.4	87.5	87.5	87.7	87.7	87.7	87.8
≥ 700	47.6	78.6	81.6	84.6	86.8	87.1	87.5	88.0	88.0	88.4	88.5	88.5	88.7	88.7	88.7	88.7
≥ 600	47.5	79.4	82.7	85.7	88.0	88.3	89.1	89.3	89.3	89.7	89.8	89.8	90.0	90.0	90.0	90.0
≥ 500	47.7	79.9	83.4	86.5	88.9	89.2	90.2	90.4	91.4	90.6	90.8	90.9	91.2	91.2	91.2	91.3
≥ 400	47.6	80.1	83.8	87.0	89.6	90.0	91.0	91.3	91.3	91.7	91.9	91.9	92.1	92.1	92.2	92.2
≥ 300	47.8	80.2	83.9	87.3	90.2	90.7	91.9	92.3	92.3	92.7	92.9	92.9	93.3	93.3	93.4	93.4
≥ 200	47.9	80.4	84.0	87.4	90.4	90.9	92.3	92.7	92.7	93.1	93.3	93.2	93.6	93.6	93.7	93.9
≥ 100	47.9	80.4	84.0	87.4	90.5	91.0	92.4	92.8	92.9	93.3	93.6	93.7	93.9	93.9	93.9	94.1
≥ 0	47.9	80.4	84.0	87.4	90.5	91.0	92.4	92.8	92.9	93.3	93.6	93.7	93.9	93.9	93.9	94.1

TOTAL NUMBER OF OBSERVATIONS 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244	SEATTLE-TACOMA INT'L	[illegible]	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.0	11.0	12.0	12.9	12.0	12.0	12.0	12.0	12.0	12.1	12.7	12.7	12.8	12.9	12.9	12.9
≥ 20000	14.1	15.0	16.8	17.3	17.7	17.7	17.9	1.8	17.8	18.0	18.0	18.1	18.1	18.2	18.3	18.3
≥ 18000	14.4	17.1	17.3	17.8	18.2	18.2	18.2	18.2	18.2	18.4	18.4	18.5	18.5	18.5	18.7	18.7
≥ 16000	6.4	17.3	17.4	17.9	18.3	18.3	18.4	1.4	18.4	18.6	18.6	18.6	18.7	18.7	18.8	18.9
≥ 14000	19.3	19.4	1.4	19.9	19.3	19.3	19.3	19.3	19.3	19.5	19.5	19.5	19.7	19.7	19.8	19.8
≥ 12000	17.3	20.4	20.1	21.2	21.3	21.3	21.3	21.3	21.3	21.5	21.5	21.5	21.9	21.9	22.0	22.1
≥ 10000	19.2	22.8	23.2	23.7	24.1	24.1	24.2	24.2	24.2	24.4	24.4	24.4	24.6	24.6	24.7	24.7
≥ 9000	19.5	24.8	24.7	25.1	25.2	25.2	25.3	25.3	25.3	25.6	25.7	25.8	25.7	25.7	25.8	25.9
≥ 8000	23.1	27.3	27.7	28.2	28.8	28.9	28.9	28.9	28.9	29.2	29.2	29.2	29.3	29.3	29.4	29.5
≥ 7000	24.4	29.1	29.0	30.2	30.8	30.8	30.9	30.9	30.9	31.2	31.2	31.2	31.1	31.2	31.3	31.3
≥ 6000	26.0	31.2	31.7	32.3	33.0	33.0	33.1	33.1	33.1	33.4	33.4	33.4	33.5	33.5	33.6	33.7
≥ 5000	25.3	34.1	35.4	36.2	36.8	36.9	36.9	36.9	36.9	37.3	37.3	37.3	37.4	37.5	37.5	37.6
≥ 4500	30.1	37.9	38.6	39.5	40.2	40.3	40.4	40.4	40.4	40.8	40.8	40.8	40.9	40.9	41.0	41.1
≥ 4000	33.5	42.3	43.2	44.1	44.9	44.9	45.0	45.0	45.0	45.4	45.4	45.4	45.4	45.5	45.7	45.7
≥ 3500	35.2	46.0	47.0	48.0	48.8	48.9	49.0	49.0	49.0	49.4	49.4	49.4	49.5	49.5	49.6	49.7
≥ 3000	38.4	50.6	51.9	53.0	54.0	54.0	54.1	54.1	54.1	54.5	54.5	54.5	54.6	54.6	54.7	54.8
≥ 2500	40.4	53.0	54.5	57.1	58.9	58.9	59.1	59.1	59.1	59.5	59.5	59.5	59.6	59.6	59.7	59.8
≥ 2000	43.7	57.1	62.9	64.5	65.8	65.9	66.1	66.2	66.2	66.6	66.6	66.6	66.7	66.7	66.9	67.0
≥ 1800	44.6	58.4	65.4	67.1	68.5	68.8	69.1	69.2	69.2	69.6	69.6	69.6	69.8	69.8	69.9	69.9
≥ 1500	47.8	64.3	71.8	74.2	76.2	76.5	76.9	77.0	77.0	77.5	77.5	77.5	77.7	77.7	77.8	77.9
≥ 1200	48.8	72.4	75.4	78.2	80.5	80.8	81.3	81.4	81.4	81.9	81.9	81.9	82.1	82.1	82.2	82.3
≥ 1000	49.2	75.1	78.6	81.8	84.3	85.2	85.9	86.0	86.1	86.7	86.7	86.7	86.9	86.9	87.0	87.1
≥ 900	49.3	75.6	79.3	82.8	85.3	86.4	87.0	87.2	87.3	87.9	88.1	88.0	88.3	88.3	88.4	88.4
≥ 800	49.0	76.5	80.6	84.2	86.9	87.9	88.7	89.0	89.0	89.7	89.8	89.8	90.0	90.0	90.1	90.2
≥ 700	49.0	76.6	80.8	84.6	87.3	88.4	89.3	89.6	89.7	90.5	90.5	90.5	90.8	90.8	90.9	91.0
≥ 600	49.7	77.0	81.3	85.3	88.4	89.3	90.1	91.0	91.0	91.8	92.0	92.0	92.3	92.3	92.4	92.5
≥ 500	49.7	77.2	81.6	85.8	89.2	90.3	91.7	92.0	92.1	93.0	93.2	93.2	93.5	93.5	93.6	93.7
≥ 400	49.7	77.2	81.9	86.1	89.6	90.9	92.4	92.8	92.8	93.8	93.9	94.0	94.3	94.3	94.4	94.4
≥ 300	49.8	77.3	81.7	86.4	89.9	91.2	92.8	93.5	93.6	94.7	95.1	95.2	95.5	95.5	95.7	95.7
≥ 200	49.8	77.3	81.7	86.4	90.0	91.4	93.0	93.8	93.9	95.0	95.4	95.5	96.2	96.2	96.4	96.4
≥ 100	49.8	77.3	81.7	86.4	90.1	91.5	93.2	93.9	94.0	95.1	95.6	95.8	96.5	96.6	97.1	97.1
0	49.8	77.3	81.7	86.4	90.1	91.5	93.2	93.9	94.0	95.1	95.5	95.8	96.5	96.7	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON EXC STATION NAME | 59-65 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1201-1400 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.4	13.0	14.3	14.7	14.8	14.8	14.9	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0
≥ 20000	17.6	19.2	19.7	20.2	20.4	20.4	20.5	20.7	20.7	20.9	20.9	21.0	21.0	21.0	21.0	21.0
≥ 18000	17.3	19.0	20.0	20.3	20.7	20.7	20.8	20.9	20.9	21.2	21.2	21.2	21.3	21.3	21.3	21.3
≥ 16000	17.3	19.9	20.4	20.9	21.1	21.1	21.3	21.4	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 14000	18.9	21.4	21.7	22.2	22.5	22.5	22.6	22.7	22.7	23.0	23.0	23.0	23.1	23.1	23.1	23.1
≥ 12000	20.9	23.0	24.4	24.9	25.1	25.1	25.3	25.5	25.5	25.7	25.7	25.7	25.8	25.8	25.8	25.8
≥ 10000	23.2	26.4	27.1	27.6	27.9	27.9	28.2	28.4	28.4	28.6	28.6	28.6	28.7	28.7	28.7	28.7
≥ 9000	24.8	27.6	28.4	28.9	29.2	29.2	29.5	29.7	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 8000	27.9	32.0	33.1	33.5	33.8	33.9	34.2	34.4	34.4	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 7000	29.3	33.8	34.8	35.4	35.7	35.8	36.1	36.3	36.3	36.5	36.5	36.5	36.6	36.6	36.6	36.6
≥ 6000	31.9	35.9	36.5	37.2	37.5	37.5	37.9	38.1	38.1	38.3	38.3	38.3	38.4	38.4	38.4	38.4
≥ 5000	32.5	36.8	38.9	40.7	41.0	41.1	41.4	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 4500	35.0	41.9	43.1	44.0	44.4	44.5	44.8	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 4000	37.5	45.0	47.0	47.9	48.4	48.4	48.7	48.9	48.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 3500	39.9	49.0	50.5	51.6	52.0	52.1	52.5	52.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 3000	42.2	53.0	55.2	56.4	56.9	57.0	57.4	57.7	57.7	58.1	58.1	58.1	58.2	58.2	58.2	58.2
≥ 2500	46.0	59.4	61.3	63.0	63.6	63.7	64.2	64.4	64.4	64.8	64.8	64.8	64.9	64.9	64.9	64.9
≥ 2000	49.8	66.1	69.3	71.4	72.0	72.3	72.8	73.0	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.4
≥ 1800	51.2	69.4	72.3	74.3	75.3	75.5	76.0	76.1	76.3	76.6	76.6	76.6	76.8	76.8	76.8	76.8
≥ 1500	52.6	73.0	77.0	79.6	80.7	81.0	81.9	82.2	82.2	82.7	82.7	82.7	82.8	82.8	82.8	82.8
≥ 1200	53.5	76.5	80.2	83.3	84.7	85.1	86.1	86.3	86.3	86.9	86.9	86.9	87.0	87.0	87.0	87.0
≥ 1000	53.8	78.2	82.6	86.1	87.8	88.3	89.3	89.7	89.7	90.4	90.4	90.4	90.5	90.5	90.5	90.5
≥ 900	53.8	78.4	83.0	86.7	88.8	89.3	90.6	90.9	90.9	91.5	91.5	91.5	91.6	91.6	91.6	91.6
≥ 800	53.8	78.8	83.4	87.2	89.4	89.9	91.2	91.5	91.5	92.1	92.1	92.1	92.2	92.2	92.2	92.2
≥ 700	53.8	78.9	83.5	87.5	89.9	90.4	91.9	92.3	92.3	92.9	92.9	92.9	93.0	93.0	93.0	93.0
≥ 600	53.8	79.3	84.3	88.5	90.8	91.4	93.3	93.6	93.6	94.4	94.4	94.4	94.6	94.6	94.6	94.6
≥ 500	53.8	79.4	84.4	88.9	91.4	92.0	94.4	95.0	95.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4
≥ 400	53.8	79.4	84.5	89.2	91.8	92.5	95.0	95.8	95.8	97.4	97.5	97.5	97.7	97.7	97.7	97.7
≥ 300	53.8	79.4	84.5	89.2	92.0	92.7	95.3	96.1	96.1	97.9	98.1	98.1	98.4	98.4	98.5	98.5
≥ 200	53.8	79.7	84.7	89.5	92.2	92.9	95.7	96.4	96.4	98.3	98.5	98.5	98.7	98.7	98.9	98.9
≥ 100	53.8	79.7	84.7	89.5	92.3	93.0	95.8	96.5	96.5	98.4	98.7	98.8	99.1	99.1	99.2	100.0
0	53.8	79.7	84.7	89.5	92.3	93.0	95.8	96.5	96.5	98.4	98.7	98.8	99.1	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 17

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 (STATION) SEATTLE WASHINGTON EAC (STATION NAME) 1960 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.1	14.9	14.1	14.3	14.4	14.5	14.7	14.7	14.8	15.0	15.0	15.0	15.0	15.0	15.0	15.0
≥ 20000	15.4	17.8	18.0	18.2	18.6	18.8	19.2	19.3	19.3	19.4	19.4	19.5	19.5	19.5	19.5	19.5
≥ 18000	15.7	18.1	18.4	18.6	19.0	19.1	19.5	19.6	19.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8
≥ 16000	15.1	18.5	18.9	19.2	19.5	19.7	20.1	20.1	20.1	20.3	20.3	20.4	20.4	20.4	20.4	20.4
≥ 14000	17.5	20.8	20.8	21.0	21.4	21.5	21.9	22.0	22.0	22.1	22.1	22.2	22.2	22.2	22.2	22.2
≥ 12000	19.8	23.1	23.1	23.0	24.3	24.5	24.9	24.9	24.9	25.1	25.1	25.2	25.2	25.2	25.2	25.2
≥ 10000	22.9	26.1	27.4	27.3	28.1	28.3	28.8	28.9	28.9	29.0	29.0	29.1	29.2	29.2	29.2	29.2
≥ 9000	24.1	28.2	29.1	29.4	29.8	30.0	30.5	30.6	30.6	30.8	30.8	30.8	30.9	30.9	30.9	30.9
≥ 8000	28.0	32.8	33.9	34.2	34.6	34.8	35.3	35.3	35.3	35.6	35.6	35.7	35.7	35.7	35.7	35.7
≥ 7000	30.2	35.6	36.7	37.1	37.5	37.7	38.2	38.3	38.3	38.7	38.7	38.8	38.8	38.8	38.8	38.8
≥ 6000	31.7	36.1	39.3	39.9	40.3	40.5	41.1	41.2	41.2	41.6	41.6	41.7	41.7	41.7	41.7	41.7
≥ 5000	33.4	40.5	41.8	42.5	43.1	43.2	43.5	44.0	44.0	44.4	44.4	44.5	44.5	44.5	44.5	44.5
≥ 4500	35.7	43.9	45.6	46.4	46.9	47.0	47.5	47.7	47.7	48.1	48.1	48.2	48.2	48.2	48.2	48.2
≥ 4000	37.5	47.0	49.0	49.9	50.5	50.6	51.3	51.4	51.4	51.8	51.8	51.9	51.9	51.9	51.9	51.9
≥ 3500	40.3	52.0	54.3	55.3	55.9	56.1	56.8	56.9	56.9	57.4	57.5	57.6	57.6	57.6	57.6	57.6
≥ 3000	43.0	57.2	60.0	61.2	61.8	62.0	62.7	62.8	62.8	63.2	63.2	63.3	63.3	63.3	63.3	63.3
≥ 2500	46.3	63.4	66.2	67.8	68.4	68.6	69.4	69.6	69.6	70.1	70.1	70.1	70.2	70.2	70.2	70.2
≥ 2000	49.5	69.4	72.4	74.4	75.2	75.5	76.5	76.7	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2
≥ 1800	50.5	71.3	74.6	76.9	77.9	78.2	79.3	79.5	79.5	80.0	80.0	80.1	80.1	80.1	80.1	80.1
≥ 1500	52.0	74.1	78.5	81.4	82.5	82.9	84.0	84.3	84.3	84.8	84.9	85.0	85.0	85.0	85.0	85.0
≥ 1200	52.6	77.2	81.5	84.6	86.0	86.4	87.8	88.1	88.1	88.6	88.8	88.8	88.9	88.9	88.9	88.9
≥ 1000	52.8	78.8	83.6	87.1	88.8	89.3	90.8	91.2	91.2	91.7	91.8	91.8	91.9	91.9	91.9	91.9
≥ 900	52.8	79.4	84.3	88.0	89.9	90.5	92.0	92.5	92.5	93.0	93.1	93.2	93.3	93.3	93.3	93.3
≥ 800	52.9	79.9	85.1	88.9	90.9	91.6	93.2	93.7	93.7	94.2	94.3	94.4	94.4	94.4	94.4	94.4
≥ 700	52.9	80.1	85.5	89.4	91.5	92.2	93.9	94.4	94.4	95.0	95.1	95.2	95.3	95.3	95.3	95.3
≥ 600	52.9	80.3	85.7	90.2	92.4	93.2	94.9	95.4	95.4	96.0	96.1	96.2	96.3	96.3	96.3	96.3
≥ 500	52.9	80.5	86.0	90.9	93.3	94.3	96.1	96.6	96.8	97.5	97.6	97.7	98.1	98.1	98.1	98.1
≥ 400	52.9	80.8	86.1	91.1	93.7	94.7	96.7	97.4	97.4	98.3	98.4	98.7	99.2	99.2	99.2	99.2
≥ 300	52.9	80.8	86.1	91.1	93.8	94.8	96.8	97.6	97.6	98.4	98.5	98.8	98.9	99.4	99.4	99.4
≥ 200	52.9	80.8	86.1	91.1	93.8	94.8	96.8	97.6	97.6	98.5	98.6	98.9	99.4	99.4	99.5	99.5
≥ 100	52.9	80.8	86.1	91.1	93.8	94.8	96.8	97.6	97.6	98.5	98.6	98.9	99.5	99.5	99.7	99.7
0	52.9	80.8	86.1	91.1	93.8	94.8	96.8	97.6	97.6	98.5	98.6	98.9	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1777

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON STATION NAME | 59-63 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-2000 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	13.8	16.3	16.7	17.1	17.3	17.5	17.9	17.9	17.9	17.9	17.9	17.9	18.0	18.0	18.0	18.0
≥ 20000	18.4	19.2	19.7	20.2	20.6	20.8	21.2	21.2	21.2	21.3	21.3	21.3	21.4	21.4	21.4	21.4
≥ 18000	18.4	19.2	19.8	20.3	20.7	20.9	21.3	21.3	21.3	21.4	21.4	21.4	21.5	21.5	21.5	21.5
≥ 16000	18.8	19.7	20.3	20.8	21.2	21.4	21.8	21.8	21.8	21.9	22.0	22.0	22.1	22.1	22.1	22.1
≥ 14000	17.2	20.3	20.9	21.4	21.9	22.1	22.5	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7
≥ 12000	18.8	22.6	23.2	23.7	24.2	24.4	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 10000	22.4	26.3	27.2	27.9	28.3	28.5	28.9	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 9000	23.2	27.0	28.5	29.1	29.6	29.9	30.4	30.4	30.4	30.5	30.5	30.5	30.6	30.6	30.6	30.6
≥ 8000	25.0	31.3	32.0	32.7	33.3	33.5	34.0	34.1	34.1	34.2	34.2	34.2	34.3	34.3	34.3	34.3
≥ 7000	29.0	35.2	36.0	36.7	37.3	37.5	38.1	38.1	38.1	38.4	38.4	38.3	38.3	38.3	38.3	38.3
≥ 6000	37.3	37.3	38.2	38.8	39.4	39.7	40.2	40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 5000	42.3	40.8	41.7	42.3	43.1	43.3	43.8	43.9	43.9	44.1	44.1	44.1	44.2	44.2	44.2	44.2
≥ 4500	34.9	44.5	45.4	46.2	46.9	47.1	47.6	47.7	47.7	47.9	47.9	47.9	48.0	48.0	48.0	48.0
≥ 4000	36.9	46.6	49.6	50.4	51.2	51.4	52.0	52.0	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3
≥ 3500	39.3	53.1	54.2	54.9	55.8	56.0	56.5	56.6	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9
≥ 3000	42.1	56.3	59.4	60.2	61.1	61.3	61.9	61.9	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.2
≥ 2500	45.3	64.0	65.4	66.0	67.4	67.6	68.2	68.3	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6
≥ 2000	46.8	71.1	72.9	74.4	75.3	75.6	76.3	76.3	76.3	76.5	76.6	76.6	76.7	76.7	76.7	76.7
≥ 1800	49.9	73.4	75.4	76.9	77.9	78.2	78.8	78.9	78.9	79.2	79.2	79.2	79.3	79.3	79.3	79.3
≥ 1500	51.5	78.7	81.3	83.1	84.2	84.6	85.2	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.7
≥ 1200	52.8	81.7	84.7	86.6	87.9	88.3	89.0	89.0	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	53.3	84.8	87.0	89.2	90.5	90.9	91.6	91.7	91.7	92.0	92.0	92.0	92.1	92.1	92.1	92.1
≥ 900	53.5	84.9	87.8	90.1	91.4	91.9	92.6	92.6	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800	53.7	85.1	88.6	91.0	92.4	92.9	93.6	93.7	93.7	94.0	94.1	94.1	94.2	94.2	94.2	94.2
≥ 700	53.8	85.3	88.9	91.4	92.9	93.4	94.2	94.2	94.2	94.5	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	53.8	85.8	89.5	92.1	93.7	94.2	94.9	95.0	95.0	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	53.8	86.0	89.9	92.6	94.3	94.8	95.6	95.7	95.7	96.1	96.2	96.2	96.3	96.4	96.4	96.4
≥ 400	53.8	86.1	90.0	92.8	94.7	95.3	96.4	96.5	96.5	96.9	97.0	97.0	97.1	97.2	97.2	97.2
≥ 300	53.8	86.2	90.1	93.0	94.9	95.5	96.6	96.8	96.8	97.3	97.5	97.5	97.9	98.0	98.0	98.0
≥ 200	53.8	86.2	90.1	93.1	95.1	95.7	96.8	96.9	96.9	97.4	97.6	97.6	98.4	98.4	98.5	98.5
≥ 100	53.8	86.2	90.1	93.1	95.1	95.7	96.9	96.9	96.9	97.5	97.9	97.9	98.7	98.7	98.8	98.9
0	53.8	86.2	90.1	93.1	95.1	95.7	96.8	96.9	96.9	97.5	97.9	97.9	98.7	98.7	98.8	98.9

TOTAL NUMBER OF OBSERVATIONS 1755

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION | SEATTLE WASHINGTON INTL STATION NAME | 40-45 YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2500 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.1	13.0	15.7	16.1	16.5	16.6	16.9	17.0	17.0	17.0	17.0	17.0	17.1	17.1	17.2	17.2
≥ 20000	14.5	14.0	16.4	19.4	20.0	20.1	20.5	20.5	20.5	20.6	20.6	20.6	20.6	20.7	20.7	20.8
≥ 18000	14.8	16.2	19.0	19.6	20.2	20.3	20.7	20.8	20.8	20.8	20.8	20.8	20.9	20.9	21.0	21.0
≥ 16000	15.1	16.5	19.3	19.9	20.5	20.6	21.0	21.1	21.1	21.1	21.1	21.1	21.2	21.3	21.3	21.3
≥ 14000	15.6	19.4	20.2	20.8	21.4	21.5	21.9	22.0	22.0	22.0	22.1	22.0	22.1	22.1	22.2	22.2
≥ 12000	17.0	21.2	22.0	22.6	23.3	23.4	23.7	23.8	23.8	24.0	24.0	24.0	24.0	24.1	24.2	24.2
≥ 10000	18.5	23.0	23.9	24.5	25.3	25.4	25.9	26.0	26.0	26.0	26.1	26.0	26.1	26.2	26.2	26.2
≥ 9000	19.1	23.9	24.8	25.4	26.2	26.3	26.7	26.8	26.8	26.9	26.9	26.9	27.0	27.0	27.1	27.1
≥ 8000	21.9	27.0	28.4	29.1	30.1	30.2	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.9	30.9	30.9
≥ 7000	23.4	30.7	31.7	32.7	33.7	33.8	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.5	34.5	34.5
≥ 6000	25.4	33.3	34.4	35.2	36.2	36.3	36.7	36.9	36.9	37.0	37.0	37.0	37.1	37.1	37.1	37.1
≥ 5000	29.2	38.0	39.1	40.0	41.0	41.1	41.5	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.9	41.9
≥ 4500	32.2	42.3	43.6	44.4	45.4	45.5	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.3	46.4	46.4
≥ 4000	34.5	46.2	47.5	48.4	49.4	49.5	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.4	50.4	50.4
≥ 3500	36.5	49.9	51.3	52.4	53.4	53.6	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.5	54.5	54.5
≥ 3000	40.0	53.4	54.9	56.2	57.4	57.5	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.5	58.6	58.6
≥ 2500	52.8	61.3	62.8	64.2	65.4	65.6	66.3	66.4	66.4	66.6	66.6	66.6	66.6	66.7	66.7	66.7
≥ 2000	56.1	65.7	67.3	68.8	70.1	70.3	71.0	71.1	71.1	71.2	71.2	71.2	71.3	71.3	71.4	71.4
≥ 1800	68.2	71.6	73.2	74.8	76.1	76.3	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.5	77.5	77.5
≥ 1500	70.1	75.6	77.9	79.7	81.5	81.7	82.6	82.6	82.6	82.8	82.8	82.8	82.9	82.9	83.0	83.0
≥ 1200	81.3	80.0	82.4	84.3	86.1	86.4	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.6	87.6	87.6
≥ 1000	82.8	82.2	84.9	87.2	89.3	89.5	90.4	90.5	90.5	90.7	90.7	90.7	90.7	90.8	90.9	90.9
≥ 900	82.8	82.8	85.4	87.7	89.8	90.0	91.0	91.0	91.0	91.2	91.2	91.2	91.3	91.3	91.4	91.4
≥ 800	82.8	83.1	86.0	88.4	90.5	90.8	91.8	91.9	91.9	92.0	92.1	92.0	92.1	92.2	92.2	92.2
≥ 700	82.9	83.4	86.4	88.9	91.2	91.5	92.5	92.5	92.5	92.7	92.7	92.8	92.9	92.9	93.0	93.0
≥ 600	82.9	83.8	87.0	89.6	91.9	92.2	93.3	93.4	93.4	93.6	93.7	93.7	93.8	93.8	93.9	93.9
≥ 500	82.9	84.1	87.5	90.1	92.5	92.8	94.0	94.1	94.1	94.3	94.3	94.4	94.5	94.5	94.7	94.7
≥ 400	82.9	84.1	87.8	90.4	92.9	93.3	94.5	94.5	94.5	94.8	94.8	94.9	94.9	95.0	95.1	95.1
≥ 300	82.9	84.3	87.9	90.5	93.1	93.5	94.8	94.9	94.9	95.2	95.2	95.3	95.4	95.5	95.7	95.7
≥ 200	82.9	84.3	88.0	90.7	93.3	93.7	95.1	95.2	95.2	95.6	95.7	95.7	96.0	96.1	96.3	96.3
≥ 100	82.9	84.3	88.0	90.7	93.3	93.7	95.1	95.2	95.2	95.7	95.8	96.0	96.4	96.5	97.1	97.2
0	82.9	84.3	88.0	90.7	93.3	93.7	95.1	95.2	95.2	95.7	95.8	96.0	96.8	97.0	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1771

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

3

CEILING VERSUS VISIBILITY

24246 STATION | SEATTLE WASHINGTON STATION NAME | [illegible] YEARS | [illegible] 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.1	14.1	14.5	15.0	15.3	15.4	15.6	15.7	15.7	15.6	15.	15.9	15.9	15.9	15.9	15.9
≥ 20000	14.4	17.4	17.5	18.0	18.2	18.2	18.2	18.2	18.2	18.4	18.4	18.4	18.4	18.4	18.5	18.5
≥ 18000	14.5	17.6	18.1	18.7	19.1	19.2	19.5	19.5	19.5	19.7	19.7	19.7	19.7	19.7	19.7	19.8
≥ 16000	14.9	18.0	18.5	19.0	19.5	19.6	19.8	19.9	19.9	20.0	20.1	20.1	20.1	20.1	20.2	20.2
≥ 14000	15.5	18.8	19.4	19.9	20.4	20.5	20.7	20.8	20.9	20.9	20.9	20.9	21.0	21.0	21.0	21.1
≥ 12000	16.9	20.6	21.2	21.8	22.2	22.3	22.5	22.6	22.7	22.8	22.	22.9	22.9	22.9	23.0	23.0
≥ 10000	19.2	23.3	23.9	24.5	25.0	25.1	25.3	25.5	25.6	25.6	25.7	25.7	25.8	25.8	25.8	25.9
≥ 9000	20.0	24.4	25.1	25.7	26.2	26.3	26.7	26.9	27.	27.0	27.	27.0	27.0	27.0	27.1	27.1
≥ 8000	23.3	28.1	28.9	29.5	30.1	30.2	30.4	30.6	30.7	30.8	30.9	30.9	30.9	30.9	31.0	31.0
≥ 7000	24.5	30.0	31.0	31.8	32.4	32.6	33.0	33.4	33.5	33.5	33.7	33.7	33.8	33.8	33.9	33.9
≥ 6000	26.2	33.0	33.9	34.5	35.2	35.4	35.8	35.9	36.0	36.0	36.0	36.0	36.1	36.1	36.2	36.2
≥ 5000	26.6	33.4	34.3	34.9	35.6	35.8	36.2	36.3	36.4	36.5	36.5	36.5	36.7	36.7	36.7	36.8
≥ 4500	31.2	40.1	41.2	42.0	42.7	42.	43.2	43.3	43.3	43.5	43.5	43.5	43.6	43.6	43.7	43.7
≥ 4000	33.4	43.1	44.9	45.8	46.5	46.6	47.1	47.2	47.2	47.4	47.4	47.4	47.4	47.5	47.7	47.8
≥ 3500	35.6	47.8	49.1	50.1	50.9	51.1	51.5	51.6	51.6	51.6	51.7	51.8	51.9	51.9	51.9	52.0
≥ 3000	37.3	53.0	54.5	55.6	56.4	56.6	57.1	57.2	57.2	57.4	57.4	57.4	57.5	57.5	57.5	57.6
≥ 2500	41.4	58.0	60.4	61.8	62.6	62.8	63.3	63.4	63.4	63.7	63.7	63.7	63.8	63.8	63.8	63.9
≥ 2000	45.0	63.1	67.8	69.4	70.4	70.6	71.2	71.3	71.3	71.	71.6	71.6	71.7	71.7	71.	71.8
≥ 1800	46.2	66.2	70.5	72.2	73.3	73.5	74.1	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.7	74.7
≥ 1500	48.5	73.2	75.9	78.1	79.4	79.7	80.4	80.5	80.5	80.9	80.9	80.9	81.0	81.0	81.1	81.1
≥ 1200	49.8	76.0	79.2	82.3	83.9	84.2	84.9	85.1	85.1	85.4	85.5	85.5	85.5	85.6	85.6	85.7
≥ 1000	50.4	78.9	82.3	85.2	87.0	87.4	88.2	88.4	88.4	88.8	88.8	88.8	88.9	88.9	89.0	89.0
≥ 900	53.5	79.6	83.2	86.1	88.0	88.5	89.4	89.5	89.6	89.9	90.0	90.0	90.1	90.1	90.1	90.2
≥ 800	53.7	80.2	84.0	87.1	89.1	89.5	90.5	90.7	90.7	91.1	91.2	91.2	91.3	91.3	91.4	91.5
≥ 700	56.9	90.5	94.4	97.5	99.6	90.1	91.2	91.4	91.4	91.8	91.9	91.9	92.0	92.0	92.1	92.2
≥ 600	57.6	91.0	95.0	98.3	90.5	91.0	92.2	92.4	92.4	92.9	93.0	93.0	93.2	93.2	93.3	93.4
≥ 500	58.9	91.3	95.4	98.9	91.2	91.9	93.1	93.4	93.4	94.0	94.1	94.1	94.3	94.3	94.4	94.6
≥ 400	58.9	91.4	95.6	99.2	91.8	92.4	93.9	94.2	94.2	94.6	95.	95.0	95.2	95.2	95.3	95.4
≥ 300	58.9	91.5	95.8	99.4	92.1	92.8	94.3	94.7	94.7	95.5	95.7	95.7	95.8	95.8	95.9	96.0
≥ 200	58.9	91.6	95.9	99.6	92.3	93.0	94.6	95.0	95.0	95.9	96.1	96.2	96.3	96.3	96.4	96.5
≥ 100	58.9	91.6	95.9	99.6	92.3	93.0	94.6	95.0	95.1	96.0	96.3	96.4	96.5	97.0	97.0	97.1
0	58.9	91.6	95.9	99.6	92.3	93.0	94.6	95.1	95.1	96.0	96.3	96.4	97.1	97.2	97.3	97.4

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24294 STATION | SEATTLE (WASHINGTON) U C STATION NAME | 1980 YEARS | ALL 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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	26.2	30.0	31.3	31.9	32.4	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.9	33.0	33.0	33.0
≥ 20000	28.8	34.8	35.8	36.3	36.3	36.8	37.1	37.2	37.4	37.3	37.4	37.4	37.5	37.5	37.5	37.6
≥ 18000	30.0	35.1	35.8	36.3	37.0	37.1	37.3	37.4	37.4	37.6	37.6	37.6	37.7	37.7	37.8	37.8
≥ 16000	30.6	35.8	36.1	36.6	37.3	37.4	37.6	37.7	37.7	37.8	37.8	37.8	37.9	38.0	38.0	38.1
≥ 14000	30.9	36.2	37.0	37.7	38.2	38.3	38.5	38.6	38.6	38.8	38.8	38.8	38.9	39.0	39.0	39.0
≥ 12000	32.3	37.7	38.5	39.3	40.0	40.1	40.4	40.5	40.5	40.7	40.7	40.7	40.8	40.9	40.9	40.9
≥ 10000	34.5	40.6	41.5	42.3	42.9	43.0	43.3	43.4	43.4	43.5	43.5	43.6	43.7	43.7	43.7	43.7
≥ 9000	35.3	41.8	42.6	43.5	44.2	44.3	44.6	44.7	44.7	44.8	44.8	44.9	45.0	45.0	45.1	45.1
≥ 8000	38.3	45.3	46.2	47.3	47.9	48.0	48.3	48.4	48.4	48.6	48.7	48.7	48.8	48.8	48.8	48.8
≥ 7000	41.8	49.4	50.3	51.3	51.9	52.1	52.4	52.5	52.5	52.7	52.7	52.8	52.9	52.9	52.9	52.9
≥ 6000	42.1	50.2	51.4	52.3	53.0	53.1	53.4	53.6	53.6	53.7	53.8	53.8	53.9	53.9	53.9	54.0
≥ 5000	44.5	53.0	54.3	55.7	56.4	56.6	56.9	57.0	57.0	57.2	57.2	57.2	57.3	57.4	57.4	57.4
≥ 4500	46.3	55.2	56.5	57.9	58.6	58.8	59.1	59.2	59.2	59.3	59.3	59.4	59.5	59.6	59.6	59.6
≥ 4000	46.5	55.4	56.7	58.1	58.8	59.0	59.3	59.4	59.4	59.5	59.5	59.6	59.7	59.8	59.8	59.8
≥ 3500	58.9	69.0	70.5	72.2	73.1	73.4	73.8	73.9	73.9	74.0	74.0	74.1	74.2	74.3	74.3	74.3
≥ 3000	59.0	69.2	70.7	72.4	73.3	73.6	74.0	74.1	74.1	74.2	74.2	74.3	74.4	74.5	74.5	74.5
≥ 2500	76.4	89.4	91.3	93.5	94.6	94.9	95.3	95.4	95.4	95.5	95.5	95.6	95.7	95.8	95.8	95.8
≥ 2000	76.4	89.4	91.3	93.5	94.6	94.9	95.3	95.4	95.4	95.5	95.5	95.6	95.7	95.8	95.8	95.8
≥ 1800	80.3	93.1	95.1	97.3	98.4	98.7	99.1	99.2	99.2	99.3	99.3	99.4	99.5	99.6	99.6	99.6
≥ 1500	80.4	93.2	95.2	97.4	98.5	98.8	99.2	99.3	99.3	99.4	99.4	99.5	99.6	99.7	99.7	99.7
≥ 1200	84.1	98.0	100.0	102.3	103.5	103.8	104.2	104.3	104.3	104.4	104.4	104.5	104.6	104.7	104.7	104.7
≥ 1000	84.3	98.2	100.2	102.5	103.7	104.0	104.4	104.5	104.5	104.6	104.6	104.7	104.8	104.9	104.9	104.9
≥ 900	85.0	98.9	100.9	103.2	104.4	104.7	105.1	105.2	105.2	105.3	105.3	105.4	105.5	105.6	105.6	105.6
≥ 800	85.0	98.9	100.9	103.2	104.4	104.7	105.1	105.2	105.2	105.3	105.3	105.4	105.5	105.6	105.6	105.6
≥ 700	93.1	108.3	110.5	113.1	114.4	114.8	115.3	115.4	115.4	115.5	115.5	115.6	115.7	115.8	115.8	115.8
≥ 600	93.1	108.3	110.5	113.1	114.4	114.8	115.3	115.4	115.4	115.5	115.5	115.6	115.7	115.8	115.8	115.8
≥ 500	93.1	108.3	110.5	113.1	114.4	114.8	115.3	115.4	115.4	115.5	115.5	115.6	115.7	115.8	115.8	115.8
≥ 400	93.1	108.3	110.5	113.1	114.4	114.8	115.3	115.4	115.4	115.5	115.5	115.6	115.7	115.8	115.8	115.8
≥ 300	93.1	108.3	110.5	113.1	114.4	114.8	115.3	115.4	115.4	115.5	115.5	115.6	115.7	115.8	115.8	115.8
≥ 200	93.1	108.3	110.5	113.1	114.4	114.8	115.3	115.4	115.4	115.5	115.5	115.6	115.7	115.8	115.8	115.8
≥ 100	93.1	108.3	110.5	113.1	114.4	114.8	115.3	115.4	115.4	115.5	115.5	115.6	115.7	115.8	115.8	115.8
0	93.1	108.3	110.5	113.1	114.4	114.8	115.3	115.4	115.4	115.5	115.5	115.6	115.7	115.8	115.8	115.8

TOTAL NUMBER OF OBSERVATIONS 17655

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PART D SKY COVER

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

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

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

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

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

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

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 — STATION
SEATTLE WASHINGTON EXC — STATION NAME
48,49-68 — PERIOD
JAN — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	10,3	1,2	2,2	2,9	2,7	2,9	2,7	3,5	4,3	3,2	64,5	7,9	1730
	03-05	10,2	,8	2,4	1,8	2,0	1,7	1,8	3,4	5,8	3,3	66,9	8,1	1730
	06-08	6,6	1,1	1,8	1,6	2,6	1,8	1,7	3,1	6,3	5,9	67,5	8,4	1733
	09-11	3,0	,9	1,5	1,4	2,3	1,8	1,4	3,0	6,7	9,3	66,3	8,6	1733
	12-14	3,3	1,7	1,7	1,7	1,5	1,7	2,0	3,2	8,6	7,1	64,6	8,4	1730
	15-17	3,5	1,3	1,3	1,6	2,6	2,0	2,4	4,3	7,3	7,1	64,6	8,4	1730
	18-20	7,7	1,8	2,0	3,3	3,1	1,7	2,6	3,5	7,4	3,7	63,2	8,0	1732
	21-23	6,8	1,9	2,1	3,3	3,1	2,1	2,7	3,5	5,8	3,4	63,1	7,9	1733
TOTALS		7,5	1,3	1,9	2,2	2,5	1,9	2,2	3,5	6,5	5,4	65,1	8,2	13831

USAF ETAC FORM JUL 64 0-9-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
49-68 — 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	12.7	1.1	1.8	2.6	3.2	2.2	2.8	4.4	7.8	3.5	57.7	7.6	1583
	03-05	10.7	1.3	1.3	2.6	3.2	2.3	3.1	3.9	6.4	2.8	61.7	7.8	1584
	06-08	6.3	.9	1.8	1.9	2.3	1.8	3.0	5.0	7.1	6.4	63.4	8.3	1503
	09-11	5.4	2.0	1.8	1.5	1.8	2.1	1.6	4.4	8.0	9.3	62.1	8.4	1583
	12-14	5.9	1.3	2.3	2.1	2.5	2.5	3.0	4.8	9.7	8.0	58.5	8.2	1589
	15-17	5.6	1.3	2.6	2.6	4.0	2.8	2.5	5.4	10.0	7.2	56.0	8.0	1583
	18-20	9.7	2.5	3.3	3.9	3.4	2.7	2.5	5.4	8.2	5.4	53.1	7.5	1563
	21-23	13.6	1.6	2.7	3.5	3.7	2.4	2.8	4.9	6.8	4.5	53.5	7.3	1583
TOTALS		8.7	1.5	2.2	2.6	3.1	2.4	2.7	4.8	7.9	5.9	58.3	7.9	12664

USAF ETAC FORM JUL 64 0-9-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 — STATION
SEATTLE WASHINGTON FAC — STATION NAME
49-65 — PERIOD
MAR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	14.3	1.6	3.0	3.6	2.8	2.1	3.1	4.1	7.3	4.3	53.3	7.2	1736
	03-05	11.5	1.4	3.0	2.6	2.9	2.0	2.4	4.7	5.9	3.6	59.9	7.6	1736
	06-08	3.2	1.8	2.0	2.4	2.8	2.4	2.2	4.6	8.4	7.4	62.8	8.4	1736
	09-11	3.2	1.7	2.1	2.0	3.2	3.6	2.4	4.8	10.5	9.0	57.3	8.3	1736
	12-14	3.9	1.0	1.4	2.2	3.1	4.8	3.2	7.5	10.6	10.3	51.8	8.2	1736
	15-17	4.0	1.4	2.3	2.6	3.8	2.8	3.9	6.2	12.5	10.0	50.1	8.0	1736
	18-20	7.7	1.4	3.1	3.9	2.2	4.6	4.1	5.4	10.1	7.6	49.8	7.6	1736
	21-23	13.8	1.0	3.0	3.4	4.1	4.4	3.5	4.6	7.8	4.5	49.9	7.1	1736
TOTALS		7.7	1.4	2.5	2.9	3.1	3.3	3.1	5.2	9.3	7.1	54.4	7.8	13888

USAF ETAC FORM JUL 64 0-9-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 (STATION) SEATTLE WASHINGTON EAC (STATION NAME) 49-68 (PERIOD) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	19.3	1.8	3.5	3.9	3.9	3.0	2.8	5.4	6.5	4.6	45.3	6.5	1680
	03-05	11.7	2.1	3.3	2.9	3.9	3.2	2.6	4.8	7.7	5.4	52.4	7.3	1680
	06-08	5.9	1.4	2.6	2.4	2.3	2.8	3.7	5.4	8.2	8.1	57.3	8.1	1680
	09-11	6.8	1.7	2.3	3.6	2.6	3.2	4.3	4.6	9.2	10.5	51.0	7.8	1680
	12-14	6.8	1.8	2.3	4.0	3.8	3.4	4.7	6.7	10.8	9.2	46.6	7.6	1680
	15-17	6.6	2.0	3.1	3.9	4.4	4.2	3.5	6.3	11.1	9.8	45.2	7.5	1680
	18-20	6.6	3.2	3.6	3.9	3.3	3.9	3.2	6.0	11.5	9.2	43.5	7.3	1680
	21-23	12.8	1.8	3.4	5.8	3.8	3.6	3.8	6.0	7.8	6.3	42.0	6.6	1680
TOTALS		10.2	2.0	3.0	3.8	3.5	3.4	3.6	5.7	9.1	7.9	47.9	7.3	13440

USAF ETAC FORM JUL 64 0-9-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 (STATION) SEATTLE WASHINGTON F*C (STATION NAME) 49-68 (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	21.6	1.7	4.8	5.7	3.2	2.9	4.0	5.9	7.2	4.1	38.8	6.0	1736
	03-05	10.9	2.6	4.3	4.3	4.3	4.0	3.0	4.8	7.5	7.0	47.5	7.1	1736
	06-08	8.4	2.7	2.5	3.9	2.7	3.4	2.1	4.0	8.9	6.9	54.4	7.7	1736
	09-11	8.2	2.5	2.2	3.9	3.3	4.1	3.0	7.0	10.4	9.6	45.7	7.5	1736
	12-14	7.4	2.5	2.9	3.7	5.2	4.6	5.0	8.0	13.7	10.9	36.1	7.2	1736
	15-17	7.4	4.0	2.6	4.5	5.8	6.0	4.0	7.4	13.5	11.2	33.6	7.0	1736
	18-20	8.8	3.5	5.1	4.7	5.9	4.1	4.1	7.5	11.4	9.9	35.2	6.8	1735
	21-23	10.5	2.8	5.6	6.1	4.8	4.1	3.8	5.8	8.9	4.1	37.4	6.2	1736
TOTALS		11.1	2.8	3.8	4.6	4.4	4.2	3.6	6.3	10.2	8.0	41.1	6.9	13887

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
49-68 — 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	22.2	2.1	4.3	3.6	4.1	2.9	3.0	4.1	7.7	5.4	40.7	6.2	1680
	03-05	10.4	2.7	4.0	4.2	3.7	4.1	2.4	4.6	8.0	8.3	47.6	7.2	1680
	06-08	9.0	2.9	2.6	2.4	2.8	3.0	3.1	4.4	7.2	7.9	54.7	7.7	1680
	09-11	9.9	3.2	3.3	3.3	4.0	3.0	2.7	4.6	9.2	9.3	47.4	7.3	1680
	12-14	10.5	3.0	3.1	4.3	5.8	4.3	4.3	6.5	11.4	10.5	36.1	6.9	1680
	15-17	11.0	4.4	3.9	4.3	5.7	3.4	4.0	6.7	12.0	11.1	33.5	6.7	1680
	18-20	12.0	4.3	4.6	4.6	4.2	5.2	3.6	6.3	9.9	10.9	34.8	6.6	1680
	21-23	17.4	4.5	5.2	5.1	4.1	3.0	4.3	5.6	8.2	5.9	30.7	6.1	1680
TOTALS		12.8	3.4	3.9	4.0	4.3	3.6	3.4	5.4	9.2	8.6	41.4	6.8	13440

USAF ETAC FORM JUL 64 0-9-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 | SEATTLE WASHINGTON EAC | 49-68 | JUL
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	42.5	2.7	4.5	3.7	3.7	2.3	2.9	3.5	5.5	3.3	25.3	4.2	1797
	03-05	27.0	5.9	4.3	3.4	3.3	2.5	2.6	2.9	5.3	5.7	36.9	5.5	1798
	06-08	22.1	4.2	3.8	2.9	3.4	2.3	1.8	3.9	6.7	7.0	41.9	6.2	1798
	09-11	24.9	4.2	3.8	3.2	2.9	4.0	2.6	4.2	7.3	6.8	34.8	5.7	1798
	12-14	28.8	4.2	5.5	4.9	5.5	4.6	3.1	6.6	7.2	6.1	22.9	4.9	1798
	15-17	31.8	6.2	5.3	6.2	4.5	4.8	3.1	5.3	8.1	8.0	16.7	4.4	1797
	18-20	35.1	6.9	5.0	5.2	5.5	3.8	3.2	4.6	7.9	8.0	14.9	4.1	1795
	21-23	38.6	5.4	6.0	4.4	4.2	3.7	2.3	4.7	6.7	4.8	19.6	4.0	1794
TOTALS		31.4	5.0	4.9	4.3	4.1	3.5	2.7	4.5	6.9	6.2	26.6	4.9	14376

USAF ETAC FORM JUL 64 0-9-5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 — STATION
SEATTLE WASHINGTON EXC — STATION NAME
49-68 — PERIOD
AUG — 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	38.4	3.2	3.8	4.3	3.3	2.1	1.9	3.6	5.5	3.0	30.8	4.6	1798
	03-05	29.3	4.4	3.7	3.8	2.9	2.8	2.8	3.4	6.4	4.7	40.8	5.9	1798
	06-08	14.7	4.0	3.4	3.6	2.9	3.0	1.9	3.7	6.7	7.3	49.0	6.9	1798
	09-11	18.9	3.8	3.3	3.6	3.7	3.2	2.4	4.9	7.8	6.6	41.7	6.4	1798
	12-14	20.9	4.7	4.1	4.9	5.2	5.5	4.5	5.7	9.7	7.9	26.9	5.6	1798
	15-17	29.0	5.3	6.0	6.3	6.1	4.2	3.6	5.6	8.6	8.2	23.0	5.2	1798
	18-20	25.4	6.7	6.6	4.9	5.7	4.3	2.6	4.4	9.2	7.5	22.4	4.9	1798
	21-23	34.5	4.3	6.2	4.4	5.4	3.6	3.3	4.2	5.7	3.9	24.5	4.4	1798
TOTALS		25.0	4.6	4.6	4.5	4.4	3.6	2.9	4.5	7.4	6.2	32.4	5.5	14384

USAF ETAC FORM JUL 64 0-9-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 49-68 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	35.3	2.0	2.9	4.5	3.6	2.4	2.6	3.9	5.0	3.3	34.0	5.0	1740
	03-05	24.8	2.5	3.3	3.6	2.9	2.9	3.2	4.2	3.3	3.9	45.5	6.1	1739
	06-08	9.8	2.9	2.8	4.2	3.0	2.8	2.4	3.9	7.2	8.0	53.0	7.5	1740
	09-11	10.4	2.9	3.6	4.1	3.6	3.6	4.2	5.3	7.0	7.4	41.8	6.6	1740
	12-14	19.8	4.7	4.3	4.5	4.3	4.8	4.7	5.1	10.1	7.5	30.2	5.8	1740
	15-17	19.7	6.3	5.0	5.1	4.8	4.7	3.0	5.6	9.7	8.6	27.5	5.6	1740
	18-20	23.9	5.5	4.8	6.1	3.7	4.1	4.5	6.1	8.7	6.0	26.5	5.3	1740
	21-23	33.5	3.4	4.6	5.1	3.5	3.1	4.0	4.4	5.8	3.9	28.8	4.6	1739
TOTALS		22.9	3.8	3.9	4.7	3.7	3.5	3.6	4.8	7.1	6.1	35.9	5.8	13910

USAF ETAC FORM JUL 64 0-9-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 SEATTLE WASHINGTON FWC 49-68 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	16.0	.8	2.7	3.9	3.1	3.3	3.3	4.3	6.6	3.8	52.2	7.0	1798
	03-05	9.6	1.1	2.1	2.6	2.9	2.3	4.1	5.4	6.2	4.7	59.1	7.8	1798
	06-08	1.4	1.2	1.7	1.7	2.5	3.0	2.4	4.3	8.5	8.6	64.6	8.7	1798
	09-11	4.7	1.3	1.8	1.7	2.9	3.6	2.5	4.7	11.4	10.5	55.7	8.2	1798
	12-14	8.6	1.6	2.3	3.3	3.9	5.1	3.0	5.5	10.3	9.8	46.7	7.5	1798
	15-17	9.0	3.0	2.8	4.3	3.6	3.7	2.9	4.1	12.0	10.2	44.0	7.3	1798
	18-20	14.5	2.1	3.3	4.7	4.6	3.0	4.5	5.5	8.8	5.5	43.4	6.8	1798
	21-23	18.0	1.6	2.9	4.1	4.1	3.4	3.8	4.7	7.2	4.5	45.5	6.6	1798
TOTALS		10.2	1.6	2.5	3.3	3.5	3.4	3.3	4.8	8.9	7.2	51.3	7.5	14384

USAF ETAC FORM JUL 64 0-9-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 — STATION
SEATTLE WASHINGTON ENG — STATION NAME
49-68 — PERIOD
NOV — 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	00-02	10.9	1.0	2.0	3.6	3.0	2.2	2.7	3.6	6.2	2.9	62.0	7.8	1740
	03-05	9.0	1.0	2.0	2.4	2.2	2.4	2.9	3.5	5.9	3.0	65.8	8.1	1740
	06-08	3.4	2.0	1.6	2.0	2.5	2.7	2.9	4.1	7.9	6.6	64.4	8.5	1740
	09-11	3.4	1.6	1.2	2.4	2.6	2.5	2.3	4.8	7.1	8.7	63.4	8.5	1740
	12-14	4.0	1.3	2.9	2.6	2.3	3.0	2.1	5.0	8.3	7.9	60.4	8.3	1739
	15-17	5.1	2.1	2.9	2.4	2.6	2.9	2.5	4.3	9.6	8.6	57.2	8.1	1740
	18-20	10.1	1.2	2.8	3.6	2.9	2.9	2.7	4.8	6.7	3.9	58.4	7.7	1740
	21-23	10.9	1.0	2.0	3.6	2.9	2.2	3.0	3.8	6.7	2.7	61.2	7.7	1740
TOTALS		7.1	1.4	2.1	2.8	2.6	2.6	2.7	4.2	7.3	5.5	61.6	8.1	13919

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244 (STATION) SEATTLE WASHINGTON FAC (STATION NAME) 48-68 (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	5.7	.8	2.1	2.0	2.9	2.3	2.7	3.6	5.0	4.0	69.1	8.4	1891
	03-05	6.0	1.0	1.7	2.0	3.2	1.9	2.2	2.6	5.3	3.4	70.7	8.4	1891
	06-08	4.3	1.3	1.4	2.0	2.0	1.5	2.2	2.8	6.6	4.9	71.1	8.7	1891
	09-11	2.4	.8	1.3	2.0	1.2	2.2	1.9	3.5	6.7	8.7	69.4	8.9	1888
	12-14	2.4	.7	1.2	2.5	2.4	2.6	2.4	4.2	7.2	9.0	65.4	8.7	1888
	15-17	2.9	1.1	1.4	1.9	2.4	2.5	2.1	5.1	7.7	9.3	63.8	8.6	1890
	18-20	5.6	1.1	2.2	2.2	2.4	2.3	3.0	3.8	7.0	4.8	65.7	8.3	1891
	21-23	5.7	.6	2.1	2.0	2.9	2.0	2.9	4.1	6.1	4.7	66.8	8.4	1891
TOTALS		4.4	.9	1.7	2.1	2.4	2.2	2.4	3.7	6.4	6.1	67.7	8.6	15121

USAF ETAC FORM JUL 64 0-9-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244	SEATTLE WASHINGTON FYC	46,48-68	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	7.5	1.3	1.9	2.2	2.5	1.9	2.2	3.5	6.5	5.4	65.1	8.2	13851
FEB		6.7	1.5	2.2	2.6	3.1	2.4	2.7	4.8	7.9	5.9	58.3	7.9	12665
MAR		7.7	1.4	2.5	2.9	3.1	3.3	3.1	5.2	9.3	7.1	54.4	7.8	13 88
APR		10.2	2.0	3.0	3.8	3.5	3.4	3.6	5.7	9.1	7.9	47.9	7.3	13440
MAY		11.1	2.8	3.8	4.6	4.4	4.2	3.6	6.3	10.2	8.0	41.1	6.9	13887
JUN		12.8	3.4	3.9	4.0	4.3	3.6	3.4	5.4	9.2	6.6	41.4	6.8	13440
JUL		31.4	5.0	4.9	4.3	4.1	3.5	2.7	4.5	6.9	6.2	20.6	4.9	14376
AUG		25.0	4.5	4.6	4.5	4.4	3.6	2.9	4.5	7.4	6.2	32.4	5.5	14384
SEP		22.9	3.8	3.9	4.7	3.7	3.5	3.6	4.8	7.1	6.1	35.9	5.8	13918
OCT		10.2	1.6	2.5	3.3	3.5	3.4	3.3	4.8	8.9	7.2	51.3	7.5	14384
NOV		7.1	1.4	2.1	2.8	2.6	2.6	2.7	4.2	7.3	5.5	61.6	8.1	13919
DEC		4.4	.9	1.7	2.1	2.4	2.2	2.4	3.7	6.4	6.1	67.7	8.6	15121
TOTALS		13.3	2.5	3.1	3.5	3.5	3.1	3.0	4.8	8.0	6.7	48.6	7.1	167273

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

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 presentation 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 deviation, and total number of observations in three separate tables as follows:

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

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

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 all 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 vertically. Also provided for each dry-bulb temperature interval 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 require two pages in some cases.

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

E

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 computations 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 tabulations 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 available are combined. Tables are prepared for the following:

a. Dry-bulb temperature
b. Wet-bulb temperature
c. 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.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG	SEP.	OCT	NOV	DEC	ANNUAL
95					.1	.1	.1	.4					.1
90					.3	.7	2.7	1.6	.3				.5
85				.1	1.6	2.1	10.5	7.9	2.2				2.0
80				.4	5.0	8.6	24.9	21.8	8.2	.9			5.9
75				1.9	11.8	23.1	48.3	43.1	22.6	2.0			12.9
70		.2	.9	6.0	25.1	44.2	76.4	73.5	44.3	8.2			23.6
65		1.5	4.2	15.8	45.7	71.8	94.8	92.3	74.3	21.8	1.0	.3	35.7
60	.3	4.8	10.2	33.2	73.1	93.5	99.3	99.6	94.0	52.8	6.2	.5	47.8
55	4.2	16.5	26.7	62.1	93.0	99.6	100.0	100.0	99.9	83.7	27.2	6.0	60.5
50	23.7	44.3	61.6	91.9	99.7	100.0			100.0	96.4	63.7	31.0	76.4
45	52.7	77.8	91.7	99.6	100.0					99.7	89.2	66.3	89.9
40	78.7	94.8	98.3	100.0						100.0	97.8	88.8	96.6
35	92.1	99.2	99.7								99.3	98.0	99.0
30	97.2	99.7	100.0								99.4	99.2	99.6
25	99.2	100.0									99.7	99.3	99.9
20	99.9										100.0	99.9	100.0
15	100.0											100.0	100.0
MEAN	44.4	49.0	51.6	57.6	64.7	69.2	74.9	73.9	69.3	60.1	51.2	46.6	59.4
S. D.	6.714	6.108	6.196	6.793	7.913	7.161	7.034	6.756	6.939	6.243	5.787	5.852	12.357
TOTAL OBS.	712	650	744	720	744	720	743	744	720	744	720	744	8705

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

24244 SEATTLE WASHINGTON FWC 45-68
STATION STATION NAME 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							.7	.8					.1
≥ 60					.1	3.5	12.9	13.3	3.7	.4			2.9
≥ 55					5.1	27.1	67.4	73.7	37.2	6.2	.1		18.3
≥ 50	.1	.8	.1	2.6	34.3	84.7	98.4	98.5	81.0	34.5	6.1	.9	37.3
≥ 45	8.3	8.6	6.3	28.2	77.3	99.7	99.9	100.0	96.0	73.5	33.1	13.8	54.3
≥ 40	33.3	40.8	45.4	75.0	97.3	100.0	100.0		99.9	96.0	64.6	44.8	75.2
≥ 35	63.1	73.2	81.2	97.1	99.9				100.0	99.6	86.0	74.6	89.8
≥ 33	72.5	84.5	90.6	99.4	100.0					99.7	93.3	84.3	93.8
≥ 30	84.4	94.5	97.7	100.0						100.0	97.9	92.2	97.3
≥ 25	91.9	98.0	99.7								99.3	98.3	99.0
≥ 20	95.8	99.2	100.0									99.2	99.5
≥ 15	98.3	99.7									99.7	99.3	99.8
≥ 10	99.9	100.0									100.0	99.9	100.0
≥ 5	100.0											100.0	100.0
≥													
≥													
≥												

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

24244 SEATTLE WASHINGTON FWC 45-64
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
V	80							.4	.3					.1
V	75					.3	1.0	4.4	2.4	.3				.7
V	70					1.7	5.4	18.6	15.9	4.7				3.9
V	65				.3	7.4	20.3	36.4	32.6	22.8	1.6			13.7
V	60				2.1	27.0	60.7	74.5	74.1	65.7	12.2	.1		30.1
V	55		1.1	2.6	15.8	61.4	95.3	99.9	99.9	94.3	44.2	3.9	.5	43.7
V	50	4.1	11.5	15.2	53.5	92.5	99.9	100.0	100.0	99.9	82.5	30.3	8.9	58.7
V	45	30.8	43.7	58.2	90.7	99.9	100.0			100.0	98.1	66.5	40.9	77.8
V	40	59.7	81.8	90.9	100.0	100.0					100.0	89.4	73.0	91.4
V	35	83.6	94.9	98.8								98.6	92.1	97.4
V	30	92.3	98.8	99.9								99.3	98.5	99.1
V	25	96.9	99.5	100.0								99.4	99.3	99.6
V	20	99.3	100.0									99.9		99.9
V	15	99.9										100.0	99.9	100.0
V	10	100.0											100.0	100.0
V														
V														
V													

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

24244 (STATION) SEATTLE WASHINGTON F AC (STATION NAME) 45-68 (YEARS)

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP	OCT.	NOV.	DEC.	ALL MONTHS
45			59	69	89	84	98	86	83	70	58	57	
46	56	60	68	69	83	82	90	87	88	65	62	57	90
47	55	68	72	85	86	80	83	82	84	70	56	57	86
48	53	58	72	71	82	87	86	80	82	76	52	48	87
49		66	65	74	79	81	86	91	84	68	66	66	
50	50	58	58	78	81	64	83	88	80	72	65	50	88
51	55	58	65	80	83	92	91	86	87	83	59	49	92
52	56	63	62	72	82	76	90	93	89	81	66	65	93
53	57	55	66	66	93	75	88	88	84	80	63	54	93
54	55	61	62	75	75	77		80	76	80	63	56	
55	52	52	66	74	71	95	83	86	87	70	60	55	95
56	57	49	65	73	86	78	93	86	89	72	59	56	93
57	49	58	60	78	81	80	84	86	87	73	60	63	87
58	57	63	61	77	85	93	95	88	85	76	60	59	93
59	53	56	64	74	83	84	92	82	78	66	60	54	92
60	61	56	69	71	79	79	91	98	82	71	65	56	98
61	60	56	63	66	85	85	94	90	84	80	60	54	94
62	57	64	68	76	67	82	89	85	83	71	62	57	89
63	53	70	63	66	95	85	76	84	87	76	60	58	95
64	54	55	71	64	88	79	84	87	76	73	56	54	88
65	54	58	68	77	77	83	93	90	76	71	66	58	93
66	55	64	71	76	79	84	85	90	82	79	61	55	90
67	56	59	56	63	82	58	87	95	94	70	61	54	95
68	57	68	70	75	78	84	88	92	82	71	58	53	92
MEAN	55.1	59.8	65.2	72.9	82.0	83.2	87.8	87.5	84.0	73.8	60.9	56.5	91.7
S. D.	2.827	5.300	4.536	5.408	6.231	5.141	4.502	4.433	4.496	4.958	3.480	4.364	3.261
TOTAL OBS.	682	650	744	720	744	720	713	744	720	744	720	744	8645

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

24294 STATION | SEATTLE WASHINGTON F.C STATION NAME | 45-68 YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN	JUL.	AUG	SEP.	OCT	NOV.	DEC	ALL MONTHS
47	49 30												MAX TEMP DAYS
54							83 30						MAX TEMP DAYS
MEAN													
S. D													
TOTAL OBS.													

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS)

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR.	MAY	JUN.	JUL	AUG.	SEP	OCT.	NOV.	DEC.	ALL MONTHS
45			30	32	43	45	50	48	44	39	30	26	
46	32	32	33	36	41	47	50	50	44	38	30	25	25
47	18	29	30	37	43	47	48	48	42	42	32	33	18
48	28	23	29	34	36	50	50	52	38	36	32	24	23
49		22	32	36	39	45	43	50	44	31	38	25	
50	9	10	32	34	38	46	52	50	41	40	31	35	9
51	18	29	28	32	40	45	52	50	44	35	32	21	18
52	20	31	32	33	38	44	49	51	47	42	27	32	20
53	33	33	30	35	41	48	50	52	44	39	35	33	30
54	22	32	29	34	34	49		51	43	36	39	32	
55	31	28	20	36	40	46	49	49	43	41	14	27	14
56	20	16	28	35	42	47	51	51	46	38	30	21	16
57	13	21	35	37	47	50	52	51	44	40	31	32	13
58	33	34	32	39	40	53	54	55	46	39	27	36	27
59	16	33	35	37	37	50	52	49	47	37	27	30	16
60	27	27	27	37	41	46	50	48	44	39	33	30	27
61	31	37	32	32	42	49	53	54	43	36	29	27	27
62	18	20	30	38	39	47	48	51	47	42	35	27	18
63	17	34	32	33	39	46	50	53	49	40	30	28	17
64	33	30	33	35	38	49	52	48	46	40	33	10	10
65	32	32	27	36	35	44	50	47	41	44	32	27	27
66	30	29	29	35	40	48	51	50	49	41	34	33	29
67	30	31	28	34	42	51	53	54	49	41	31	25	25
68	26	31	34	33	40	49	50	52	44	42	35	8	8
MEAN	26.4	28.0	30.3	35.0	39.8	47.5	50.4	50.6	44.5	39.8	31.0	27.0	19.9
S. D.	7.462	6.495	3.273	1.956	2.613	2.340	2.251	2.104	2.702	2.985	4.563	6.887	6.459
TOTAL OBS.	682	650	744	720	744	720	713	744	720	744	720	744	6545

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

24244 (STATION) SEATTLE WASHINGTON F&C (STATION NAME) 45-68 (YEARS)

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT.	NOV.	DEC	ALL MONTHS
47	17 10												MIN TEMP DAYS
57							46 30						MIN TEMP DAYS
MEAN													
S D													
TOTAL OBS													

USAF ETAC FORM JUL 64 0-88-5 (OL1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-68 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 3	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63								.0										1	1		
62/ 61						.0												1	1		
60/ 59				.0	.0	.0	.0											5	5		
58/ 57		.0		.0	.0	.0												18	18		
56/ 55	.0	.1	.2	.1	.1	.0	.0	.0										76	76	7	5
54/ 53	.0	.4	.3	.2	.1	.0	.0											192	192	24	7
52/ 51	.1	1.1	.8	.3	.1	.0	.0											379	379	160	39
50/ 49	.3	2.5	1.5	.4	.2	.0	.0											797	797	408	230
48/ 47	.9	4.2	1.9	.5	.1	.0	.0											1215	1215	829	450
46/ 45	1.7	6.2	2.3	.5	.1	.0	.0											1745	1745	1399	845
44/ 43	1.5	6.1	2.7	.6	.1	.0												1779	1779	1622	1373
42/ 41	1.4	7.5	2.2	.4	.1	.0												1870	1870	1759	1473
40/ 39	1.6	7.6	1.7	.3	.1													1835	1835	2095	1657
38/ 37	1.8	6.2	1.3	.4	.0													1548	1548	1895	1880
36/ 35	2.4	4.6	.9	.2	.0													1312	1312	1648	1860
34/ 33	1.7	3.3	.7	.2	.0													932	932	1157	1624
32/ 31	1.3	2.0	.7	.2	.0													676	676	888	1136
30/ 29	.6	1.2	.7	.2	.0													422	422	504	839
28/ 27	.4	.8	.5	.1	.0													281	281	386	501
26/ 25	.4	.8	.4	.2														283	283	300	352
24/ 23	.2	.7	.3	.0														195	195	260	280
22/ 21	.2	.6	.2	.0														159	159	231	305
20/ 19	.3	.6	.1															151	151	202	260
18/ 17	.1	.4	.1															92	92	132	203
16/ 15	.2	.1																44	44	82	189
14/ 13	.2	.1																35	35	47	143
12/ 11	.1	.0																22	22	26	118
10/ 9	.1	.0																10	10	13	91
8/ 7																				1	78
6/ 5																					62
4/ 3																					38
2/ 1																					15
0/- 1																					11
- 2/- 3																					9

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 (OL1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 46-68 (YEARS) JAN (MONTH)

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
- 4/- 5																					4
- 6/- 7																					1
- 8/- 9																					1
TOTAL	17.2	56.9	19.6	4.9	1.1	.3	.1	.0											16075		16099
																		16075		16075	

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	116557001	1354461	84.3	12.300	16075							
Dry Bulb	26238784	638240	39.7	7.475	16075		109.7					744.0
Wet Bulb	23890789	608541	37.9	7.287	16075		142.2					744.0
Dew Point	21041603	564943	35.1	8.694	16099	1.2	214.2					744.0

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

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 — STATION
SEATTLE WASHINGTON F&C — STATION NAME
40-56 — YEARS
FEB — MONTH
PAGE 1 ALL — HOURS (P 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								.0										2	2		
68/ 67					.0	.0	.0						.0					5	5		
66/ 65					.0		.0	.0	.0	.0		.0						14	14		
64/ 63					.0	.0	.1	.0				.0						20	20		
62/ 61				.0	.1	.0	.1	.0	.0	.0	.0							36	36		
60/ 59			.0	.0	.1	.1	.1	.0	.0	.0								60	60	1	
58/ 57			.1	.2	.2	.1	.1	.0	.0									113	113	6	
56/ 55	.0	.0	.3	.4	.3	.2	.1	.0										224	224	20	
54/ 53	.2	.5	.7	.5	.3	.2	.0	.1										368	368	127	49
52/ 51	.4	1.7	1.3	.8	.4	.2	.1	.0										714	714	297	111
50/ 49	.5	2.7	1.8	1.2	.3	.1	.0											993	994	544	327
48/ 47	1.0	4.3	3.0	1.2	.2	.1	.0											1436	1436	948	580
46/ 45	1.6	6.5	3.9	1.2	.2	.0												1961	1961	1595	879
44/ 43	1.1	6.7	3.7	.7	.2	.0	.0											1822	1822	1845	1321
42/ 41	1.4	8.5	2.0	.5	.1	.0												1556	1656	2019	1506
40/ 39	1.8	7.1	1.0	.4	.1	.0												1634	1634	2343	1955
38/ 37	1.8	4.5	1.1	.3	.1													1139	1139	1608	2092
36/ 35	2.0	3.6	.7	.2	.0													945	945	1240	1892
34/ 33	1.9	2.2	.7	.1	.0													628	628	802	1355
32/ 31	1.0	1.0	.3	.1	.0													341	341	606	925
30/ 29	.2	.5	.2	.0														134	134	293	563
28/ 27	.0	.3	.1															70	70	111	320
26/ 25	.0	.3	.1															55	56	84	221
24/ 23	.0	.1	.0	.0														21	23	55	134
22/ 21	.0	.1	.1	.0														31	31	30	123
20/ 19	.0	.0	.1															21	21	46	90
18/ 17	.1	.0	.0															13	13	27	72
16/ 15	.0		.0															8	6	12	52
14/ 13	.1																	10	10	12	41
12/ 11	.0																	5	5	5	26
10/ 9	.0																	2	2	2	14
8/ 7																					20
6/ 5																					11
4/ 3																					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												

FORM 0-26-5 (OL-1) JUL 64 — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
1210 WS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON INC STATION NAME | 40-63 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
27/ 1																						2
0/- 1																						3
27/- 3																						2
6/- 7																						1
TOTAL	[illegible]	50	92	[illegible]	7.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			14703		14700
																				14699	14700	

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.	103026649	1214563	82.6	[illegible]	14700							
Dry Bulb	7577632	629625	42.[illegible]	[illegible]	14703		32.6	.3				672.0
Wet Bulb	4461-219	595461	40.[illegible]	[illegible]	14700		55.2					672.0
Dew Point	21365935	551521	37.5	[illegible]	14700	.3	120.4					672.0

FORM 0-26.1 (OL.1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64
1210 WS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
46-68 — YEARS
MAR — 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
72/ 71								.0	.0									3	3		
70/ 69							.0	.0	.0	.0								12	12		
68/ 67						.0	.0	.0	.0	.0								21	21		
66/ 65					.0	.1	.1	.0	.0									41	41		
64/ 63					.0	.1	.1	.1										60	60		
62/ 61				.0	.2	.2	.1	.0	.0									87	87		
60/ 59		.0	.0	.1	.2	.2	.1	.1	.0									118	118		
58/ 57		.0	.1	.2	.4	.4	.2	.0										210	210	14	
56/ 55		.0	.2	.0	.6	.4	.2	.1	.0									330	330	50	2
54/ 53	.0	.2	.0	.7	.7	.5	.1	.0										483	483	140	15
52/ 51	.1	.7	1.3	1.0	1.2	.3	.1											643	643	234	44
50/ 49	.2	2.0	2.4	2.1	1.0	.3	.0											1298	1298	554	142
48/ 47	.3	3.8	3.7	2.1	.7	.1												1735	1735	1101	432
46/ 45	1.4	7.3	4.4	1.0	.3	.1	.0											2499	2499	2030	841
44/ 43	1.3	7.5	4.7	1.0	.2	.1												2376	2376	2656	1567
42/ 41	1.5	7.7	2.3	.4	.1	.0												1933	1933	2776	2176
40/ 39	1.9	6.3	1.3	.2	.1													1507	1507	2551	2320
38/ 37	1.5	4.2	.5	.2	.0													1027	1073	2587	2387
36/ 35	1.0	2.5	.3	.1														735	735	1102	2218
34/ 33	1.0	1.4	.2	.1	.0													439	439	813	1657
32/ 31	.5	.9	.1	.1														231	231	335	910
30/ 29	.2	.2	.1	.0														89	89	174	500
28/ 27	.0	.1	.0															20	20	57	269
26/ 25	.0	.0	.0															6	6	37	128
24/ 23	.0	.0	.0															3	3	6	93
22/ 21	.0	.0																7	7	3	66
20/ 19		.0																6	6	8	43
18/ 17																				3	37
16/ 15																					27
14/ 13																					14
12/ 11																					5
10/ 9																					3
0/- 1																					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												

FORM 1210 WS JUL 64 0-26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON FAC STATION NAME | 46-68 YEARS | MAR 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
TOTAL	11.24	4.92	2.0	1.3	5.6	2.6	1.1	.4	.1	.0								16117	16117	16117	16117

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.	105697654	1283130	79.6	14.828	16117							
Dry Bulb	32298284	714646	44.3	8.153	16117		10.7	1.7				744.0
Wet Bulb	28044480	667806	41.4	4.017	16117		28.8					744.0
Dew Point	23643029	611275	37.9	5.365	16119	.0	96.8					744.0

FORM JUL 64 0-26-5 (OL1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1210 WS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON EWC STATION NAME | 45-68 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
86/ 85																.0			1	1		
84/ 83																.0			1	1		
82/ 81												.0		.0	.0				3	3		
80/ 79											.0	.0	.0						7	7		
78/ 77							.0	.0	.0	.0	.0	.0	.0						6	8		
76/ 75							.0	.0	.0	.1	.0	.0							22	22		
74/ 73						.0	.0	.0	.0	.1	.1	.0							26	26		
72/ 71						.0	.1	.1	.1	.1	.0	.0							66	66		
70/ 69					.0	.1	.1	.1	.1	.1	.0								77	77		
68/ 67				.0	.0	.2	.3	.2	.2	.0									139	139		
66/ 65			.0	.0	.1	.5	.4	.1	.1	.0									182	182	1	
64/ 63			.0	.0	.3	.6	.3	.2	.0	.0									240	240	6	
62/ 61		.0	.0	.2	.4	.6	.4	.2	.0	.0									331	331	15	
60/ 59	.0	.0	.1	.4	.8	1.1	.3	.1	.0										465	465	47	2
58/ 57	.0	.1	.3	.9	1.1	1.1	.3	.0											574	574	138	8
56/ 55	.0	.3	.6	1.7	1.9	.9	.2	.0											922	922	327	27
54/ 53	.1	.9	1.6	2.2	1.8	.7	.1	.0											1157	1157	495	101
52/ 51	.2	2.2	3.0	2.7	1.2	.3	.0												1492	1492	875	209
50/ 49	.6	3.6	4.6	2.6	.7	.1	.0												1952	1952	1619	583
48/ 47	.8	5.4	5.0	1.5	.3	.0	.0												2032	2032	2236	1072
46/ 45	1.0	7.3	3.9	.8	.1	.0													2031	2031	2821	1466
44/ 43	1.1	6.1	2.5	.3	.0														1551	1551	2696	2320
42/ 41	.7	5.3	.9	.1	.0														1094	1094	1915	2719
40/ 39	1.1	3.0	.3	.1															693	693	1412	2900
38/ 37	1.0	1.3	.1																369	369	875	2047
36/ 35	.4	.4	.0																121	121	248	1363
34/ 33	.1	.1	.0																39	39	59	647
32/ 31	.0		.0																2	2	15	94
30/ 29																					1	175
28/ 27																						53
26/ 25																						24
24/ 23																						16
22/ 21																						10
20/ 19																						4

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

FORM 0-26-5 (OL-1) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
1210 WS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 46-68 YEARS | APR 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
10/ 17																					4
16/ 15																					1
TOTAL	7,236	2,224	1,141	1,014	1,006	1,004	2,019	1,212	1,112	1,013	1,002	1,001	1,000	1,000	1,000	1,000	1,000	15599	15599	15599	15599

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.	93075146	1176660	75,4	10,032	15599							
Dry Bulb	38566609	768187	49,2	15,965	15599		,1	16,2	3,1	,4		720,0
Wet Bulb	32252194	705620	45,2	14,624	15599		,7					720,0
Dew Point	28596881	639751	41,0	14,799	15599		25,4					720,0

FORM 1210 WS JUL 64 0-26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-68 YEARS | MAY 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
96/ 95																,0	,0	2	2		
94/ 93																,0		2	2		
92/ 91															,0			2	2		
90/ 89													,0	,0				3	3		
88/ 87												,0	,0	,0				11	11		
86/ 85										,0	,0	,0	,0					19	19		
84/ 83									,0	,1	,1	,0	,0	,0				31	31		
82/ 81							,0	,0	,1	,1	,1	,0	,0					61	61		
80/ 79							,0	,1	,2	,1	,1	,0						77	77		
78/ 77						,0	,1	,2	,2	,1	,1	,0						108	108		
76/ 75						,0	,1	,2	,3	,1	,0	,0						154	154		
74/ 73					,0	,1	,2	,4	,3	,1	,1	,0						194	194		
72/ 71				,0	,1	,3	,4	,5	,3	,1	,0	,0						280	280		
70/ 69			,0	,0	,2	,4	,6	,4	,1	,0	,0							353	353	2	
68/ 67		,0	,0	,1	,4	,8	,6	,3	,1	,0								440	440	15	
66/ 65		,0	,1	,3	,9	1,3	,8	,2	,1	,0								623	623	92	2
64/ 63		,0	,2	,7	1,2	1,3	,5	,2	,0	,0								689	689	187	7
62/ 61		,1	,5	1,3	1,5	1,2	,9	,1		,0								860	860	288	18
60/ 59	,0	,5	1,4	2,2	2,1	1,2	,3	,0	,0	,0								1277	1277	516	65
58/ 57	,0	1,0	2,3	2,3	2,2	,7	,1	,0	,0									1494	1494	1029	186
56/ 55	,1	1,7	3,4	3,0	1,4	,4	,1	,0										1686	1686	1501	449
54/ 53	,4	3,1	5,0	2,3	,7	,2	,0											2000	2000	1848	904
52/ 51	,6	4,0	4,4	1,3	,3	,0	,0											1949	1949	2432	1452
50/ 49	,8	5,2	3,0	1,0	,1	,0												1844	1844	2051	2066
48/ 47	,7	3,9	2,4	,2	,0													1214	1214	2457	2713
46/ 45	,3	3,1	,9	,1														785	785	1701	2745
44/ 43	,3	1,9	,4	,0														429	429	1035	2355
42/ 41	,2	,3	,1	,0														195	195	470	1847
40/ 39	,1	,2	,0															53	53	159	1062
38/ 37	,0	,0		,0														17	17	40	522
36/ 35	,0	,0	,0															5	5	6	253
34/ 33		,0																2	2	4	105
32/ 31																				3	46
30/ 29																					36

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												

FORM 1210 WS JUL 64 0.26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
45-68 — YEARS
MAY — 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
28/ 27																					
26/ 25																					
24/ 23																					
22/ 21																					
18/ 17																					
16/ 15																					
TOTAL	3,0	76,3	24,8	15,4	11,0	7,9	4,9	2,7	1,7	,7	,3	,2	,1	,0	,0	,0	,0	16859	16859	16859	16860
																		16859			

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.	92073990	1210136	72,3	16,623	16859							
Dry Bulb	53523882	940336	55,8	7,984	16859			76,7	29,3	7,5	,2	744,0
Wet Bulb	43607872	853258	50,6	5,011	16859		,1	,9				744,0
Dew Point	36204458	776790	46,1	4,964	16860		4,7					744,0

FORM JUL 64 0-26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
1210 WS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON INC STATION NAME | 45-68 YEARS | JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
96/ 95															.0	.0		2	2		
94/ 93												.0			.0			4	4		
92/ 91											.0	.0		.0	.0			8	8		
90/ 89										.0	.0	.0	.0	.0	.0			14	14		
88/ 87										.0	.1	.0	.0					22	22		
86/ 85							.0	.0	.0	.0	.1	.0		.0				29	29		
84/ 83							.0	.1	.1	.1	.0	.0	.0					56	59		
82/ 81					.0	.0	.0	.2	.2	.2	.0	.0						102	102		
80/ 79				.0		.0	.1	.2	.2	.2	.0	.0						129	129		
78/ 77					.0	.1	.3	.4	.2	.1	.0		.0					194	195		
76/ 75				.0	.0	.3	.5	.6	.2	.1	.0	.0	.0					295	296		
74/ 73				.0	.1	.5	.9	.6	.2	.0	.0	.0						399	400	5	
72/ 71			.0	.1	.2	.9	.9	.6	.1	.0	.0							455	455	19	1
70/ 69			.0	.2	.8	1.3	1.1	.5	.1	.0								659	699	49	2
68/ 67		.0	.1	.5	1.3	1.5	.9	.3	.1									758	759	139	6
66/ 65		.0	.3	1.2	2.0	1.9	.7	.2	.0	.0								1019	1020	278	14
64/ 63		.1	1.0	1.8	2.2	1.4	.3	.0	.0	.0								1112	1113	469	59
62/ 61	.0	.7	1.8	2.8	2.1	.8	.1	.0										1358	1359	788	126
60/ 59	.1	1.9	3.0	3.2	1.7	.4	.0	.0										1812	1815	1373	356
58/ 57	.3	3.2	3.4	3.1	.8	.1	.0											2094	2098	2054	862
56/ 55	.3	4.9	5.9	1.7	.3	.0												2135	2135	2802	1933
54/ 53	.3	4.9	4.0	.9	.0	.0												1741	1742	2997	2305
52/ 51	.2	4.4	2.4	.2														1182	1183	2559	2719
50/ 49	.2	2.1	.8	.0														512	512	1824	2946
48/ 47	.1	.7	.3															171	171	737	2499
46/ 45	.0	.2	.0															33	33	207	1524
44/ 43			.0															1	1	38	811
42/ 41																				3	359
40/ 39																					116
38/ 37																					49
36/ 35																					10
34/ 33																					1
32/ 31																					3
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												

1210 WS FORM JUL 64 0-26-5 (OL1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON FAC STATION NAME | 45-68 YEARS | JUN 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
24/ 23 TOTAL	1,023	1,176	1,415	1,581	1,553	1,491	1,259	1,007	1,015	1,008	1,003	1,001	1,001	1,000	1,000	1,000	1,000	16315	16315	16315	16290
																		16296		16296	

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.	88661821	1175567	72,1	15,380	16290							
Dry Bulb	60257256	984278	60,3	1,453	16315			130,3	55,0	13,2	,3	720,0
Wet Bulb	49230848	692674	34,8	4,309	16296			9,4	,2			720,0
Dew Point	41915052	823300	50,5	4,436	16296		,4	,4				720,0

FORM JUL 64 0-26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1210 WS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
45-68 — YEARS
JUL — 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
96/ 95								.0		.0								3	3		
94/ 93								.0	.0	.0	.0			.0				15	15		
92/ 91								.0		.0	.0	.0	-0					19	19		
90/ 89							.0		.0	.0	.1	.1	.0		.0			58	58		
88/ 87						.0	.0	.0	.1	.1	.1	.1	.0	.0				95	95		
86/ 85						.0	.0	.1	.2	.3	.1	.1	.0					132	132		
84/ 83					.0	.0	.1	.2	.3	.3	.2	.0						197	197		
82/ 81					.0	.0	.1	.5	.7	.3	.1	.0						291	291	1	
80/ 79			.0	.0	.0	.1	.4	.7	.5	.2	.1							376	376	2	
78/ 77		.0	.0	.0	.1	.3	.0	.9	.3	.1	.0							488	488	12	
76/ 75			.0	.1	.2	.7	1.2	1.0	.3	.1								619	619	15	2
74/ 73		.0	.0	.2	.4	1.3	1.2	.8	.1	.0								771	771	37	9
72/ 71		.0	.1	.2	.4	1.0	1.6	.5	.1									868	868	73	14
70/ 69		.0	.2	.6	1.7	2.3	1.3	.3	.0	.0								1115	1115	241	27
68/ 67		.1	.4	1.3	2.3	1.0	.8	.1	.0									1157	1157	509	45
66/ 65		.2	1.1	2.6	2.8	1.2	.2	.0										1395	1395	889	106
64/ 63	.0	.6	2.4	3.5	1.9	.3	.0	.0										1518	1518	1268	229
62/ 61	.2	1.0	4.0	3.3	1.1	.1	.0											1799	1799	1825	600
60/ 59	.2	2.8	6.0	2.7	.4	.0												2103	2103	2667	1154
58/ 57	.2	4.1	5.7	1.2	.1													1972	1972	3125	2045
56/ 55	.2	4.2	3.3	.5														1457	1457	3124	2966
54/ 53	.2	2.3	1.2	.1														642	642	2124	3551
52/ 51	.1	.9	.2															197	197	1062	3100
50/ 49	.0	.3	.0															55	55	312	2043
48/ 47		.0																6	6	60	966
46/ 45																				4	342
44/ 43																					101
42/ 41																					31
40/ 39																					13
38/ 37																					4
TOTAL	1.1	17.0	24.9	16.3	12.1	9.9	7.9	5.1	3.0	1.6	.5	.4	.1	.0	.0			17348	17348	17348	17348

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.	89392329	1215589	70.1	15.568	17348							
Dry Bulb	78771130	1122630	64.7	18.046	17348							
Wet Bulb	59236650	1010642	58.3	14.554	17348			36.1	2.6	.1		744.0
Dew Point	50649985	934607	53.9	14.151	17348			4.2	.3			744.0

FORM 1210 WS JUL 64 0-26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON ERC STATION NAME | 45-68 YEARS | AUG 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
98/ 97															.0	.0		4	4		
96/ 95														.0	.0	.0		6	6		
94/ 93													.0		.0			4	4		
92/ 91												.0	.0	.0	.0			10	10		
90/ 89										.0	.0	.1	.0	.0		.0	.0	24	24		
88/ 87						.0	.0	.0	.0	.0	.1	.0	.0	.0				37	37		
86/ 85					.0	.0	.0	.0	.2	.2	.1	.0	.0	.0				106	106		
84/ 83					.0	.0	.0	.1	.3	.2	.1	.0	.0					154	154		
82/ 81					.0	.0	.1	.3	.3	.3	.1		.0					229	229		
80/ 79				.0	.0	.1	.3	.6	.7	.2	.1	.0						327	327		
78/ 77				.0	.0	.3	.2	.2	.4	.1	.0	.0						397	397	5	
76/ 75			.0	.0	.2	.6	1.3	.4	.2	.0								539	539	11	1
74/ 73			.0	.1	.4	1.3	1.2	.6	.1	.0								680	682	14	7
72/ 71		.0	.0	.3	1.1	1.8	1.2	.3	.1									837	839	33	8
70/ 69		.0	.1	.9	2.0	2.2	.9	.1	.0	.0								1060	1062	148	14
68/ 67		.1	.3	1.6	2.8	1.3	.3	.1										1181	1181	377	26
66/ 65	.0	.3	1.3	3.6	2.3	.6	.1	.0										1447	1447	820	44
64/ 63	.1	.8	3.0	3.4	1.3	.2	.0											1682	1682	1423	221
62/ 61	.3	2.5	5.8	3.0	.5	.1												2176	2176	2075	619
60/ 59	.5	5.4	6.6	1.8	.1	.0												2507	2507	3319	1480
58/ 57	.4	5.1	4.6	.5	.0													1880	1880	3526	2859
56/ 55	.3	4.8	2.1	.1														1272	1272	2927	3707
54/ 53	.2	2.4	.5	.0														731	731	1803	3671
52/ 51	.1	.8	.0															177	177	679	2691
50/ 49	.1	.4																42	42	172	1391
48/ 47	.0	.0																4	4	20	472
46/ 45																				1	113
44/ 43																					43
42/ 41																					20
40/ 39																					6
38/ 37																					1
36/ 35																					1
34/ 33																					
TOTAL	2.1	22.7	25.0	15.4	11.1	8.6	6.1	3.9	2.4	1.0	.3	.2	.1	.1	.0	.0	.0	17359	17359		17353
																		17353	17353		

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	97266630	1271326	73.3	15.920	17353
Dry Bulb	72506899	1115021	64.2	7.381	17359
Wet Bulb	59730343	1015685	58.5	4.028	17353
Dew Point	52155653	949221	54.7	3.661	17351

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
			240.9	108.0	31.3	.6	744.0
			25.2	1.3			744.0
			2.4	.3			744.0

FORM 0-26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64
1210 WS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON INC STATION NAME | 45-68 YEARS | SEP MONTH

PAGE 1 ALL HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D B /W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
94/ 93													.0					2	2		
92/ 91												.0	.0					2	2		
90/ 89											.0	.0		.0				5	5		
88/ 87								.0	.0	.0	.0	.0	.0	.0				16	16		
86/ 85							.0	.0	.0	.0	.0	.0	.0					26	26		
84/ 83							.0	.0	.1	.1	.1	.0	.0	.0				40	40		
82/ 81					.0	.0	.0	.1	.1	.2	.0		.0					86	88		
80/ 79						.0	.2	.2	.2	.1	.0	.0	.0					114	114		
78/ 77					.0	.1	.3	.4	.2	.1	.0	.0						197	197		
76/ 75					.0	.3	.5	.4	.3	.1	.0							261	261		
74/ 73				.0	.2	.7	.7	.4	.1	.1	.0							380	380	4	
72/ 71			.0	.1	.6	1.0	.7	.3	.1	.0								455	455	12	
70/ 69			.1	.4	1.0	1.3	.5	.2	.0		.0							612	612	38	2
68/ 67		.0	.2	.8	1.8	1.1	.5	.1	.0	.0								764	764	113	8
66/ 65		.2	.9	2.0	1.8	1.0	.3	.1	.0									1058	1058	346	22
64/ 63		.5	2.0	2.4	1.3	.5	.2	.0										1261	1261	657	70
62/ 61	.1	2.2	3.9	2.4	1.1	.4	.0	.0										1709	1709	1091	250
60/ 59	.3	4.4	5.5	2.1	.9	.3	.0											2209	2209	2248	779
58/ 57	.6	6.0	6.7	1.5	.4	.1												2207	2207	2707	1799
56/ 55	.8	6.1	3.5	.9	.1	.0	.0											1991	1991	3108	2572
54/ 53	1.0	4.5	2.1	.3	.0													1308	1308	2495	3353
52/ 51	1.1	3.7	1.0	.1	.0													991	991	1831	2635
50/ 49	1.1	2.0	.3	.0														577	577	1230	2092
48/ 47	.6	.9	.1	.0														203	203	564	1614
46/ 45	.4	.4	.0															135	135	225	840
44/ 43	.2	.1																49	49	85	467
42/ 41	.1	.0																15	15	18	157
40/ 39	.0																	1	1	4	70
38/ 37																					19
36/ 35																					17
34/ 33																					2
32/ 31																					5
30/ 29																					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 P. .t												

FORM 0-26-5 (OL-1) JUL 64 1210 WS REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-65 YEARS | SEP 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
TOTAL	6,131	2,024	1,913	1,300	952	507	403	203	111	53	32	11	7	4				16796		16796
																	16796		16796	

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.	104477619	1299563	77,4	19,289	16796							
Dry Bulb	51787964	1011490	60,2	7,214	16796			127,0	40,5	10,1	1	720,0
Wet Bulb	52507453	936015	55,7	4,531	16796			7,2	2			720,0
Dew Point	46470637	880357	52,4	4,413	16796		3	4				720,0

FORM 1210 WS JUL 64 0-26-5 (OL1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON INTL STATION NAME | 45-65 YEARS | OCT MONTH

PAGE 1 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	Wet Bulb	Dew Point
84/ 83								.0										1	1		
82/ 81									.0		.0							2	2		
80/ 79						.0	.0	.0	.0	.0								15	15		
78/ 77						.0	.0	.0	.0									11	11		
76/ 75						.0	.0	.0	.0									23	23		
74/ 73					.0	.0	.0	.1	.0									30	30		
72/ 71				.0	.0	.1	.1	.0	.0									57	57		
70/ 69				.0	.2	.3	.1	.0	.0									117	117	2	
68/ 67			.0	.1	.3	.3	.1	.0	.0									152	152	5	
66/ 65			.1	.5	.6	.3	.1	.1										278	278	23	1
64/ 63		.2	.4	.9	.7	.4	.1	.0										454	454	49	4
62/ 61	.0	.7	1.0	1.3	.6	.4	.1	.0										710	710	187	28
60/ 59	.2	1.3	2.4	1.6	.9	.3	.0											1201	1201	515	150
58/ 57	.2	3.0	3.1	1.9	1.0	.2	.0											1573	1573	926	362
56/ 55	.4	5.7	3.0	1.9	.5	.1	.0											2064	2064	1706	779
54/ 53	.7	6.0	3.7	1.7	.3	.0	.0											2156	2156	2092	1659
52/ 51	1.1	6.9	3.6	1.0	.1	.0	.0											2245	2245	2358	2155
50/ 49	1.5	7.2	3.0	.5	.0	.0												2123	2123	2843	2150
48/ 47	1.5	6.1	1.7	.2	.0													1672	1672	2445	2427
46/ 45	1.9	4.0	.7	.1	.0													1103	1103	2034	2542
44/ 43	1.2	2.2	.3	.0	.0													649	649	1069	2210
42/ 41	1.0	1.0	.1															360	360	623	1465
40/ 39	.5	.4	.1															173	173	296	674
38/ 37	.3	.1	.0															79	79	111	414
36/ 35	.1	.1																33	33	47	150
34/ 33	.0	.0																10	10	18	74
32/ 31	.0																	0	0	0	45
30/ 29																					8
28/ 27																					11
26/ 25																					2
24/ 23																					2
TOTAL	10.6	44.8	23.5	11.3	3.7	2.6	.8	.3	.1	.0	.0							17357		17357	17357
																		17357		17357	

Element (X)	ΣX^2	$-\Sigma X$	$\bar{X}$	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.	121552972	1430246	82.7	12.490	17357							
Dry Bulb	499436854	919028	52.9	6.478	17357		.3	17.5	3.5	.5		744.0
Wet Bulb	439038?2	668640	50.0	4.991	17357		.3	.3				744.0
Dew Point	39527725	823907	47.4	5.127	17357		2.9					744.0

FORM 0-26.5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64 1210 WS

3

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 43-67 YEARS | NOV 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
68/ 67						.0												1	1		
66/ 65				.0	.0	.0	.0		.0	.0								10	10		
64/ 63			.0	.0	.0	.1		.0	.0									20	20		
62/ 61		.0	.0	.1	.1	.0	.0											42	42		
60/ 59		.2	.1	.2	.1	.1	.0	.0										131	131	R	
58/ 57	.0	.4	.5	.4	.2	.1	.0											274	274	60	14
56/ 55	.1	.9	1.0	.7	.3	.1	.0	.0										541	541	175	95
54/ 53	.4	2.5	1.9	1.0	.4	.1	.0											1037	1037	428	199
52/ 51	.7	4.0	2.7	1.2	.3	.1	.0											1638	1638	996	503
50/ 49	1.1	6.5	3.7	.9	.3	.1	.0											2122	2122	1643	1050
48/ 47	1.0	7.6	3.7	.9	.2	.0												2233	2233	2027	1407
46/ 45	1.6	8.3	2.9	.6	.0													2268	2268	2583	1809
44/ 43	1.4	6.5	2.1	.4	.1	.0												1783	1783	2272	2300
42/ 41	1.4	5.0	1.2	.3	.0	.0												1470	1470	1978	2393
40/ 39	1.9	5.5	.9	.1	.0													1102	1102	1576	1933
38/ 37	1.6	2.7	.5	.1														807	807	1098	1367
36/ 35	1.5	1.7	.3	.1	.0													609	609	827	1314
34/ 33	1.0	.8	.1	.0														342	342	492	926
32/ 31	.4	.4	.1	.0														172	172	247	505
30/ 29	.1	.1	.1	.0														60	60	94	296
28/ 27	.0	.0	.1	.0														25	25	39	145
26/ 25		.1	.0															21	21	40	80
24/ 23		.0	.0															12	12	24	41
22/ 21		.0	.0															12	12	9	43
20/ 19		.1	.0															19	19	14	22
18/ 17		.1	.0															25	25	28	20
16/ 15	.0	.1	.0															14	14	28	23
14/ 13	.0	.0																4	4	11	21
12/ 11																				1	23
10/ 9																					23
8/ 7																					10
6/ 5																					7
4/ 3																					4
2/ 1																					0

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												

FORM JUL 64 0-26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1210 WS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON INC STATION NAME | 45-60 YEARS | NOV 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
0/- 1																						1
2/- 3																						
TOTAL	14,353	3,422	2,0	7,1	2,2	,7	,1	,0	,0	,0									16794	16794	16794	16794

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.	122961780	1423998	84,8	11,544	16794							
Dry Bulb	35774329	767851	45,7	6,301	16794		15,6	,0				720,0
Wet Bulb	32461169	731863	43,6	5,813	16794		22,8					720,0
Dew Point	29121303	690723	41,1	9,513	16794	,1	94,9					720,0

1210 WS FORM JUL 64 0-26-5 (OLI) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 STATION | SEATTLE WASHINGTON FWC STATION NAME | 45-68 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69							.0											1	1		
66/ 65							.0											1	1		
64/ 63							.0											2	2		
62/ 61					.0	.0												2	2		
60/ 59		.0	.0	.0	.0	.0												10	10		
58/ 57		.0	.1	.0	.0	.0												35	35	1	
56/ 55	.0	.3	.2	.2	.0	.0	.0											133	133	21	10
54/ 53	.1	.8	.7	.3	.1	.0	.0											360	360	112	40
52/ 51	.3	2.6	1.1	.5	.1	.0	.0											792	792	318	174
50/ 49	1.0	3.7	2.2	.9	.1	.0	.0											1318	1318	898	527
48/ 47	1.0	5.8	3.2	.6	.1	.0												1863	1863	1188	735
46/ 45	1.4	8.2	2.8	.6	.1	.0												2294	2294	1970	1200
44/ 43	1.3	7.6	3.2	.4	.0	.0	.0											2167	2167	2293	1864
42/ 41	1.3	7.4	1.8	.3	.1	.0												1913	1913	2200	2154
40/ 39	2.0	7.2	1.6	.3	.0	.0												1931	1931	2328	2098
38/ 37	2.6	4.7	1.0	.2	.0													1498	1498	1969	2236
36/ 35	2.2	3.9	.8	.1														1212	1212	1447	1951
34/ 33	1.4	2.2	.3	.1	.0													694	694	1011	1433
32/ 31	.7	1.5	.3	.0														434	434	618	936
30/ 29	.7	.9	.2	.0														307	307	425	655
28/ 27	.2	.6	.1															153	154	221	483
26/ 25	.1	.2	.0															63	63	132	286
24/ 23	.0	.1	.1															43	43	61	168
22/ 21	.0	.1	.0	.0														22	22	28	130
20/ 19		.1	.0	.0														18	18	22	60
18/ 17		.1	.0															18	18	18	33
16/ 15		.1	.0															24	24	23	22
14/ 13		.1																22	22	34	16
12/ 11	.0	.1																10	10	15	16
10/ 9	.0	.1																10	10	14	22
8/ 7		.0																2	2	5	23
6/ 5																					19
4/ 3																					21
2/ 1																					27

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 (OL1) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) DEC (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
0/- 1																					6
- 2/- 3																					4
-10/-11																					1
TOTAL	16.	558.	519.	8	4.0	.8	.2	.1											17353		17353
																		17352		17352	

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.	129872832	1489682	85.9	10.596	17352							
Dry Bulb	31625606	732506	42.2	6.375	17353		48.3	.0				744.0
Wet Bulb	28987602	701294	40.4	6.109	17352		68.4					744.0
Dew Point	26022852	661190	38.1	6.929	17353	.5	125.5					744.0

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

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 (STATION) SEATTLE WASHINGTON FWC (STATION NAME) 45-68 (YEARS) ALL (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
98/ 97															.0	.0		4	4		
96/ 95								.0		.0				.0	.0	.0	.0	13	13		
94/ 93								.0	.0	.0	.0	.0	.0	.0	.0	.0		27	27		
92/ 91								.0		.0	.0	.0	.0	.0	.0			41	41		
90/ 89							.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	104	104		
88/ 87						.0	.0	.0	.0	.0	.0	.0	.0	.0				181	181		
86/ 85					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		313	313		
84/ 83					.0	.0	.0	.0	.1	.1	.0	.0	.0	.0		.0		480	483		
82/ 81					.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0			776	776	1	
80/ 79			.0	.0	.0	.0	.1	.2	.2	.1	.0	.0	.0					1045	1045	2	
78/ 77		.0	.0	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0					1403	1404	17	
76/ 75			.0	.0	.0	.2	.3	.3	.1	.0	.0	.0	.0					1914	1915	24	3
74/ 73		.0	.0	.0	.1	.3	.4	.3	.1	.0	.0	.0						2480	2483	60	16
72/ 71		.0	.0	.1	.3	.5	.4	.2	.1	.0	.0	.0						3021	3023	137	23
70/ 69		.0	.0	.2	.5	.7	.4	.1	.0	.0	.0							4028	4030	480	45
68/ 67		.0	.1	.4	.8	.6	.3	.1	.0	.0			.0					4618	4619	1161	85
66/ 65	.0	.1	.3	.9	.9	.6	.2	.1	.0	.0		.0						6068	6069	2449	189
64/ 63	.0	.2	.9	1.1	.8	.4	.1	.0	.0	.0		.0						7058	7059	4059	596
62/ 61	.1	.7	1.9	1.2	.6	.3	.1	.0	.0	.0	.0							9109	9110	6269	1661
60/ 59	.1	1.4	2.2	1.2	.6	.3	.1	.0	.0	.0								11958	11961	10694	4019
58/ 57	.2	2.0	2.3	1.0	.5	.2	.1	.0	.0									12444	12446	13584	8131
56/ 55	.2	2.5	2.0	1.0	.5	.2	.0	.0	.0									12831	12831	15768	12145
54/ 53	.3	2.4	1.9	.9	.4	.1	.0	.0										11995	11996	14645	15854
52/ 51	.4	2.9	1.8	.8	.3	.1	.0	.0										12599	12600	13821	15831
50/ 49	.6	3.2	2.0	.7	.2	.1	.0											13633	13634	15218	15495
48/ 47	.7	3.5	2.0	.6	.1	.0	.0											13844	13844	14607	15372
46/ 45	.9	4.2	1.8	.4	.1	.0	.0											14934	14934	16570	15148
44/ 43	.8	3.6	1.6	.3	.0	.0	.0											12606	12606	15611	16760
42/ 41	.8	3.6	.8	.2	.0	.0												10706	10706	13761	16283
40/ 39	.9	2.9	.6	.1	.0	.0												8931	8931	12364	14412
38/ 37	.9	1.9	.4	.1	.0													6484	6484	9069	13407
36/ 35	.8	1.4	.3	.1	.0													4970	4970	6563	11049
34/ 33	.5	.8	.2	.0	.0													3086	3086	4156	7835
32/ 31	.3	.5	.1	.0	.0													1862	1862	2714	4778

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 (OL1) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 — STATION
SEATTLE WASHINGTON IWC — STATION NAME
45-68 — YEARS
ALL — MONTH
PAGE 4 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
30/ 29	.1	.2	.1	.0	.0													1012	1012	1441	3075
28/ 27	.1	.1	.1	.0	.0													549	550	814	1791
26/ 25	.0	.1	.0	.0														428	429	593	1101
24/ 23	.0	.1	.0	.0														274	276	386	741
22/ 21	.0	.1	.0	.0														231	231	301	679
20/ 19	.0	.1	.0	.0														215	215	272	485
18/ 17	.0	.0	.0															148	148	206	370
16/ 15	.0	.0	.0															90	90	143	316
14/ 13	.0	.0																71	71	104	233
12/ 11	.0	.0																37	37	47	191
10/ 9	.0	.0																22	22	29	151
8/ 7		.0																2	2	6	137
6/ 5																					99
4/ 3																					69
2/ 1																					52
0/- 1																					33
2/- 3																					16
4/- 5																					4
6/- 7																					2
8/- 9																					1
10/-11																					1
TOTAL	8.8	38.0	23.3	1.3	0.8	4.7	2.9	1.7	.9	.4	.2	.1	.0	.0	.0	.0	.0	198675		198674	
																		198645		198646	

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.	1205238433	15559141	78.3	15.309	198640							
Dry Bulb	563301745	10343841	52.1	11.181	198675		223.3	884.7	372.4	106.8	2.0	8760.0
Wet Bulb	478467499	9587459	48.3	8.901	198646		318.5	81.1	4.5	.1		8760.0
Dew Point	414717109	8907145	44.8	8.799	198674	2.1	645.5	7.6	.0			8760.0

FORM 1210 WS JUL 64 0-26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) JANUARY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76					100,0					1	,0
67 TO 71											
62 TO 66											
57 TO 61	8,3		4,2	8,3	20,8	20,8	8,3	12,5	16,7	24	,2
52 TO 56	3,5	,2	2,1	2,1	51,3	29,6	,5	1,6	8,9	425	2,9
47 TO 51	6,0	1,6	3,4	4,6	46,5	23,2	1,6	,9	12,2	2056	13,9
42 TO 46	10,0	4,4	5,9	6,9	37,2	16,6	1,2	2,6	15,3	4129	27,9
37 TO 41	15,9	6,8	8,1	7,4	32,6	12,3	1,7	2,1	13,0	4063	27,4
32 TO 36	23,3	10,4	12,2	6,7	18,6	9,8	1,9	3,4	13,9	2311	15,6
27 TO 31	31,7	20,7	18,7	4,1	5,9	4,5	,8	5,1	8,5	863	5,8
22 TO 26	46,6	18,2	16,7	6,0	1,5	,2		4,9	6,0	534	3,6
17 TO 21	39,1	28,1	15,9	5,3	4,3			4,0	3,3	302	2,0
12 TO 16	50,6	21,3	6,7	2,2	5,6		1,1	3,4	9,0	89	,6
7 TO 11	54,5	13,6	4,5					13,6	13,6	22	,1
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	16,4	7,5	8,4	6,3	30,7	13,9	1,4	2,6	12,8	14819	100,0

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) FEBRUARY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71			16.7	16.7	50.0		16.7			6	.0
62 TO 66	16.3		4.7	20.9	14.0	23.3	4.7		16.3	43	.3
57 TO 61	20.5	1.6	6.5	17.8	15.1	12.4	3.2	4.3	18.4	185	1.4
52 TO 56	14.8	2.3	2.7	7.1	32.6	22.9	2.0	2.0	13.4	812	6.0
47 TO 51	13.5	2.5	3.2	5.6	38.2	20.2	1.5	2.1	13.2	2568	19.0
42 TO 46	18.3	4.5	5.4	6.0	34.6	13.8	1.1	3.0	13.3	4444	32.8
37 TO 41	21.7	7.0	6.8	5.2	28.1	12.6	1.4	4.3	12.8	3390	25.0
32 TO 36	30.0	12.7	10.7	4.8	13.7	5.7	1.0	5.8	15.8	1648	12.2
27 TO 31	37.2	15.3	14.2	5.9	10.8	2.4		2.8	11.5	288	2.1
22 TO 26	48.9	5.6	16.7	1.1	15.6	1.1		1.1	10.0	90	.7
17 TO 21	52.1	8.3	2.1	10.4	14.6	2.1		2.1	8.3	48	.4
12 TO 16	90.5	4.8							4.8	21	.2
7 TO 11	50.0							25.0	25.0	4	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	20.3	5.8	6.0	5.8	29.9	13.9	1.3	3.4	13.5	13547	100.0

SYSCOREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) MARCH (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71	13.0		8.7	8.7	34.8	17.4	13.0	4.3		23	.2
62 TO 66	28.4	1.5	4.5	13.4	18.7	11.2	6.7	9.7	6.0	134	.9
57 TO 61	32.9	1.6	5.1	4.0	19.4	12.7	4.6	9.4	10.2	371	2.5
52 TO 56	26.4	2.3	4.0	7.4	28.0	15.8	2.8	4.7	8.6	1138	7.7
47 TO 51	17.9	3.5	3.6	6.5	32.5	20.0	2.1	3.2	10.8	3156	21.2
42 TO 46	16.1	4.8	4.1	5.7	37.3	16.0	1.2	2.5	12.5	5345	36.0
37 TO 41	20.7	6.0	6.6	5.8	29.0	14.4	1.2	3.0	13.3	3217	21.6
32 TO 36	32.2	10.3	10.8	3.5	13.5	10.3	1.0	4.7	13.8	1256	8.5
27 TO 31	22.4	11.9	17.9	9.5	15.4	8.0		7.5	7.5	201	1.4
22 TO 26	28.6	21.4	7.1				7.1	21.4	14.3	14	.1
17 TO 21	62.5	12.5	25.0							8	.1
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	20.3	5.0	5.3	5.9	30.8	15.7	1.6	3.4	11.9	14863	100.0

5709 FREQ. OF TEMP. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244 STATION — SEATTLE, WASHINGTON AWC STATION NAME — JAN 49 - DEC 68 YEARS — APRIL MONTH — ALL HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	12.5					37.5	25.0	12.5	12.5	8	.1
72 TO 76	27.3	2.6	2.6	20.8	10.4	19.5	7.8	2.6	6.5	77	.5
67 TO 71	39.2	2.5	3.0	11.4	18.6	11.4	3.4	7.6	3.0	237	1.6
62 TO 66	43.3	1.8	2.4	9.2	17.4	10.7	3.8	4.9	6.5	552	3.8
57 TO 61	38.1	2.4	2.7	9.3	19.5	15.7	3.8	3.5	4.9	1133	7.9
52 TO 56	27.6	3.7	3.2	6.3	29.6	16.0	2.6	3.1	7.8	2662	18.5
47 TO 51	19.5	6.3	4.2	5.1	33.2	18.3	2.0	2.6	8.8	4353	30.2
42 TO 46	18.8	8.1	6.5	6.0	31.8	15.2	1.0	1.9	10.8	3857	26.8
37 TO 41	26.6	9.4	9.5	4.5	25.2	9.4	.7	2.0	12.5	1376	9.6
32 TO 36	41.4	13.6	7.9	1.4	6.4	1.4		5.7	22.1	140	1.0
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	24.4	6.1	4.9	6.1	29.1	15.4	2.0	2.7	9.1	14395	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMPS. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FNC (STATION NAME) JAN 49 - DEC 68 (YEARS) APRIL (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	12.5					37.5	25.0	12.5	12.5	8	.1
72 TO 76	27.3	2.6	2.6	20.8	10.4	19.5	7.8	2.6	6.5	77	.5
67 TO 71	39.2	2.5	3.0	11.4	18.6	11.4	3.4	7.6	3.0	237	1.6
62 TO 66	43.3	1.8	2.4	9.2	17.4	10.7	3.8	4.9	6.5	552	3.8
57 TO 61	38.1	2.4	2.7	9.3	19.5	15.7	3.8	3.5	4.9	1133	7.9
52 TO 56	27.6	3.7	3.2	6.3	29.6	16.0	2.6	3.1	7.8	2662	18.5
47 TO 51	19.5	6.3	4.2	5.1	33.2	18.3	2.0	2.6	8.8	4353	30.2
42 TO 46	18.8	8.1	6.3	6.0	31.8	15.2	1.0	1.9	10.8	3857	26.8
37 TO 41	25.6	9.4	9.5	4.5	25.2	9.4	.7	2.0	12.5	1376	9.6
32 TO 36	41.4	13.6	7.9	1.4	6.4	1.4		5.7	22.1	140	1.0
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	24.4	6.1	4.9	6.1	29.1	15.4	2.0	2.7	9.1	14395	100.0

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					20.0		80.0			5	.0
87 TO 91	50.0		16.7		8.3	25.0				12	.1
82 TO 86	71.4	3.2	1.6	9.5	6.3		1.6	1.6	4.8	63	.4
77 TO 81	68.6	1.7	2.9	5.8	7.6	2.9	5.2	2.9	2.3	172	1.2
72 TO 76	65.6	2.0	2.8	5.1	6.1	3.3	4.3	6.6	4.1	392	2.6
67 TO 71	59.6	1.6	2.5	4.8	12.5	8.1	3.8	4.3	3.8	766	5.2
62 TO 66	44.2	3.8	2.9	7.1	18.5	10.5	3.4	5.1	4.5	1473	9.9
57 TO 61	32.0	5.4	3.2	5.8	25.3	14.6	2.8	3.8	7.1	2789	18.8
52 TO 56	25.0	8.5	5.7	4.6	28.1	15.6	1.9	2.4	8.1	4023	27.1
47 TO 51	19.8	10.9	8.9	5.7	29.6	14.3	1.0	1.6	8.1	3677	24.7
42 TO 46	17.6	10.8	11.9	4.7	28.5	15.1	.6	1.6	9.2	1332	9.0
37 TO 41	30.7	14.0	7.3	5.3	18.7	8.0		1.3	14.7	150	1.0
32 TO 36	57.1					14.3		28.6		7	.0
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	29.9	7.7	6.0	5.4	25.2	13.5	2.1	2.9	7.3	14861	100.0

NAVWEASERVCOM

5709-1 REQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 – DEC 68 (YEARS) JUNE (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	16.7	8.3		75.0						12	.1
87 TO 91	71.4			11.4	2.9	8.6		2.9	2.9	33	.2
82 TO 86	66.1	5.2		6.1	8.7	.9	.9	10.4	1.7	115	.8
77 TO 81	73.8	3.3	.7	3.9	6.6	3.3	1.3	5.2	2.0	305	2.1
72 TO 76	58.8	3.7	1.6	7.0	12.8	6.2	2.0	4.2	3.7	803	5.6
67 TO 71	43.1	5.0	2.7	8.2	18.9	9.4	3.7	5.4	3.7	1468	10.2
62 TO 66	31.4	6.7	3.8	7.6	24.5	14.0	3.3	3.5	5.1	2481	17.3
57 TO 61	24.7	8.6	4.5	4.6	28.2	17.4	2.3	2.9	6.8	4016	28.0
52 TO 56	18.2	13.2	8.4	3.1	27.5	19.2	1.6	2.1	6.6	3963	27.7
47 TO 51	21.4	13.9	11.3	5.2	25.0	14.8	1.1	3.1	4.1	1087	7.6
42 TO 46	45.7	8.6	8.6	5.7	14.3	2.9	2.9	11.4		35	.2
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
–3 TO 1											
–8 TO –4											
–13 TO –9											
–18 TO –14											
–23 TO –19											
–28 TO –24											
–33 TO –29											
–38 TO –34											
–43 TO –39											
–48 TO –44											
–53 TO –49											
–58 TO –54											
–59 & LWR											
TOTALS	29.2	9.1	5.5	5.3	24.6	15.2	2.3	3.3	5.6	14322	100.0

5709 FREQ. OF TEMP. VS. WIND DIR. MAR 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) JULY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	57.7			7.7	3.8			26.9	3.8	26	.2
87 TO 91	84.1	.6		.6	4.3	1.2		8.5	.6	164	1.1
82 TO 86	73.6	3.6	2.1	5.0	7.5	1.8	.7	4.3	1.4	439	3.0
77 TO 81	65.0	4.2	2.0	6.2	10.3	3.2	1.2	6.0	1.8	883	6.0
72 TO 76	50.3	6.7	2.4	7.6	16.0	5.1	2.5	6.0	3.5	1560	10.5
67 TO 71	40.2	7.7	2.7	7.9	19.7	9.7	3.0	5.0	4.1	2221	15.0
62 TO 66	31.8	10.7	4.1	4.5	22.9	13.6	2.2	3.3	6.8	3261	22.0
57 TO 61	25.8	15.1	6.8	2.1	21.3	18.3	1.5	3.0	6.2	4220	28.5
52 TO 56	24.6	22.7	12.3	3.5	10.9	13.8	1.5	3.4	7.1	1922	13.0
47 TO 51	48.0	17.6	6.9	2.0	3.9	8.8		6.9	5.9	102	.7
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	36.3	12.0	5.3	4.6	18.1	12.3	1.9	4.1	5.4	14798	100.0

NAVWEASERVCOM

5708 FREQ. AIR TEMP VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24266 (STATION) SEATTLE, WASHINGTON RWC (STATION NAME) JAN 49 - DEC 68 (YEARS) AUGUST (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	50.0							50.0		4	.0
92 TO 96	75.0				12.5	6.3		6.3		16	.1
87 TO 91	56.7	3.0	3.0	10.4	7.5	3.0	1.5	13.4	1.5	67	.5
82 TO 86	63.6	1.9	3.3	5.2	8.3	3.0	1.7	9.6	3.3	363	2.4
77 TO 81	54.3	3.5	2.4	6.7	12.2	3.8	2.8	10.3	4.2	720	4.9
72 TO 76	47.9	5.7	3.0	6.0	12.6	8.0	2.9	10.8	3.1	1481	10.0
67 TO 71	34.3	7.1	3.2	7.3	21.6	11.9	3.4	6.7	4.6	2283	15.4
62 TO 66	25.5	9.4	4.9	3.9	23.6	17.3	2.4	4.8	5.3	3675	24.8
57 TO 61	23.5	13.4	6.5	2.2	20.7	21.0	2.3	3.7	6.6	4529	30.5
52 TO 56	29.5	17.7	10.8	2.9	12.5	11.7	1.4	4.0	9.7	1609	10.8
47 TO 51	50.0	9.1	9.1		3.4	3.4		3.4	21.6	88	.6
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.3	10.3	5.4	4.2	19.0	14.9	2.4	5.7	5.8	14835	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) SEPTEMBER (MONTH) ALL (HOURS (L,S,Y,))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	100.0									3	.0
87 TO 91	61.1	5.6				11.1	11.1	11.1		18	.1
82 TO 86	58.5	2.8	4.7	9.4	6.6	2.8		10.4	4.7	106	.7
77 TO 81	58.3	1.6	1.3	7.7	8.0	7.7	2.6	9.3	3.5	312	2.2
72 TO 76	49.5	2.2	1.8	6.4	15.2	6.5	2.4	12.0	4.0	782	5.4
67 TO 71	44.5	3.4	2.4	5.2	19.2	9.0	2.7	9.4	4.4	1394	9.7
62 TO 66	31.0	6.5	4.4	4.9	24.0	12.4	2.5	6.1	8.2	2728	19.0
57 TO 61	25.7	9.2	6.7	4.1	23.2	16.3	2.0	4.1	8.7	4662	32.4
52 TO 56	28.9	12.7	9.3	4.1	15.6	11.3	1.9	5.6	10.4	3289	22.9
47 TO 51	38.0	17.7	10.9	1.5	7.7	4.5	1.4	6.0	12.4	962	6.7
42 TO 46	48.5	16.7	3.8		.8	2.3		9.1	18.9	132	.9
37 TO 41	100.0									3	.0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	32.6	9.0	6.3	4.4	19.1	11.9	2.1	6.1	8.5	14391	100.0

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

1

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) OCTOBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86					100.0					1	.0
77 TO 81	22.2		11.1	11.1	40.7	7.4			7.4	27	.2
72 TO 76	34.6	1.9	5.8	15.4	17.3	7.7		3.8	13.5	52	.3
67 TO 71	30.0	2.9	1.4	8.6	19.6	10.0	2.1	10.4	15.0	280	1.9
62 TO 66	23.0	1.9	2.4	6.9	31.8	14.4	2.7	5.7	11.2	959	6.4
57 TO 61	18.5	2.9	2.6	5.7	35.6	17.5	1.8	4.7	10.7	2819	18.9
52 TO 56	21.0	6.4	5.0	6.0	30.3	14.1	2.4	4.1	10.7	4734	31.8
47 TO 51	22.2	8.6	8.6	5.6	24.1	12.8	1.6	4.1	12.3	4056	27.3
42 TO 46	26.6	14.3	11.8	3.5	14.0	9.4	1.4	3.9	15.1	1647	11.1
37 TO 41	39.0	13.4	11.5	2.6	5.2	4.5	.7	7.4	15.6	269	1.8
32 TO 36	67.6	11.8	2.9	2.9				5.9	8.8	34	.2
27 TO 31	100.0									1	.0
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	22.2	7.0	6.2	5.7	27.2	13.6	1.9	4.5	11.8	14879	100.0

NAVWEASERVCOM

5705 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) NOVEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71									100.0	1	.0
62 TO 66	15.8	1.8	12.3	5.3	36.8	7.0		3.5	17.5	57	.4
57 TO 61	10.6	1.5	3.1	7.3	29.6	31.6	2.6	2.9	10.8	453	3.2
52 TO 56	11.9	2.9	3.5	6.9	40.5	19.6	1.7	2.7	10.2	2403	16.7
47 TO 51	15.3	6.7	5.6	7.5	34.5	14.9	1.4	3.0	11.2	4495	31.3
42 TO 46	19.2	7.4	10.1	6.8	26.6	11.3	1.3	3.7	13.6	3810	26.5
37 TO 41	26.6	12.2	13.7	5.5	13.8	7.5	1.5	4.5	14.7	2057	14.3
32 TO 36	32.6	14.9	15.2	3.4	7.5	2.1	1.3	8.7	14.3	825	5.7
27 TO 31	32.9	11.2	14.7	16.8	6.3	4.9	.7	5.6	7.0	143	1.0
22 TO 26	31.6	10.5	5.3	23.7	7.9	7.9	2.6	7.9	2.6	38	.3
17 TO 21	56.9	15.7	5.9					19.6	2.0	51	.4
12 TO 16	38.9	33.3	27.8							18	.1
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	18.6	7.4	8.2	6.8	28.2	13.3	1.5	3.8	12.3	14351	100.0

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244 STATION | SEATTLE, WASHINGTON FWC STATION NAME | JAN 49 - DEC 68 YEARS | DECEMBER MONTH | ALL HOURS (L.P.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71			100.0							1	.0
62 TO 66				25.0		25.0			50.0	4	.0
57 TO 61	4.1			2.0	38.8	46.9	2.0		6.1	49	.3
52 TO 56	2.3	.7	1.1	4.5	49.3	34.1	2.3	.5	5.3	739	5.0
47 TO 51	6.1	2.8	2.8	6.0	46.2	23.5	1.4	1.2	10.1	3266	22.0
42 TO 46	11.4	4.7	7.3	7.4	35.9	16.4	1.9	2.6	12.4	4725	31.8
37 TO 41	16.2	9.6	10.8	6.3	24.9	12.1	2.1	3.5	14.6	3514	23.6
32 TO 36	21.0	13.4	15.7	8.0	13.9	5.8	1.2	4.0	16.9	1927	13.0
27 TO 31	27.1	17.0	20.3	5.7	2.1	.5	.7	6.8	19.8	424	2.9
22 TO 26	26.6	27.7	24.5	2.1	4.3	1.1	1.1	2.1	10.6	94	.6
17 TO 21	27.5	27.5	13.7	13.7	5.9	2.0	3.9	3.9	2.0	51	.3
12 TO 16	26.0	44.0	26.0	2.0				2.0		50	.3
7 TO 11	5.6	5.6	83.3					5.6		18	.1
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.8	7.1	8.6	6.7	31.9	15.9	1.7	2.7	12.7	14862	100.0

5709 FREQ. AIR TEMPS. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

24244 (STATION) SEATTLE, WASHINGTON FWC (STATION NAME) JAN 49 - DEC 68 (YEARS) ALL (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	50.0							50.0		4	.0
92 TO 96	51.6	1.6		17.7	6.5	1.6	6.5	12.9	1.6	62	.0
87 TO 91	73.6	1.4	1.4	4.1	4.7	4.1	1.0	8.8	1.0	296	.2
82 TO 86	67.8	3.1	2.5	5.9	7.8	2.1	1.0	7.2	2.6	1087	.6
77 TO 81	61.7	3.3	2.0	6.3	10.2	4.1	2.2	7.3	2.9	2427	1.4
72 TO 76	51.5	4.8	2.4	6.9	13.6	6.4	2.7	8.0	3.7	5150	2.9
67 TO 71	41.0	5.5	2.8	7.2	19.4	10.0	3.2	6.4	4.5	8680	5.0
62 TO 66	31.7	7.3	4.0	5.6	23.5	14.0	2.7	4.6	6.5	15367	8.8
57 TO 61	25.3	9.1	5.2	4.3	24.7	17.8	2.2	3.7	7.6	25250	14.4
52 TO 56	22.0	9.1	6.4	4.9	27.1	16.3	2.0	3.3	8.9	27719	15.8
47 TO 51	17.0	6.6	5.7	5.7	33.1	17.1	1.6	2.7	10.5	29866	17.1
42 TO 46	16.4	6.3	6.9	6.2	32.6	14.6	1.3	2.7	12.9	29456	16.8
37 TO 41	20.4	8.2	8.9	6.0	26.4	11.8	1.5	3.3	13.6	18039	10.3
32 TO 36	26.9	12.1	12.7	5.7	14.3	7.1	1.3	4.8	15.1	8148	4.7
27 TO 31	30.7	17.4	18.0	6.2	6.8	3.7	.6	5.4	11.2	1920	1.1
22 TO 26	43.4	17.5	16.9	5.7	3.8	.8	.4	4.5	7.0	770	.4
17 TO 21	41.5	24.3	13.3	6.1	5.0	.4	.4	5.4	3.5	460	.3
12 TO 16	47.2	27.0	13.5	1.7	2.8		.6	2.2	5.1	178	.1
7 TO 11	34.1	9.1	36.4					11.4	9.1	44	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	24.6	7.8	5.3	5.6	26.1	14.1	1.9	3.8	9.7	174923	100.0

5769-1 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
45-68 — YEARS

HRS (L S T)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC.	ANNUAL
00-02	MEAN	38.5	40.8	41.4	45.1	50.8	55.4	59.0	59.4	56.1	50.4	44.2	41.2	48.7
	S. D.	7,483	5,937	4,514	4,116	4,461	3,913	3,769	3,364	4,163	5,013	6,070	6,353	8,870
	TOTAL OBS	2006	1846	2015	1950	2108	2038	2169	2170	2100	2170	2099	2170	24833
03-05	MEAN	38.1	40.0	40.4	43.7	49.1	53.9	57.0	57.5	54.6	49.6	43.6	40.9	47.6
	S. D.	7,686	6,089	4,726	4,252	4,318	3,579	3,354	3,277	4,238	5,208	6,262	6,550	8,531
	TOTAL OBS	2007	1839	2014	1950	2107	2040	2170	2170	2100	2170	2100	2170	24837
06-08	MEAN	37.8	39.8	40.5	44.7	51.1	55.9	59.1	58.6	55.0	49.5	43.4	40.6	48.2
	S. D.	7,890	6,188	4,735	4,263	4,645	3,968	3,545	3,354	4,413	5,256	6,290	6,690	9,104
	TOTAL OBS	2011	1936	2014	1950	2107	2040	2169	2170	2100	2170	2100	2169	24836
09-11	MEAN	39.4	42.5	44.9	50.6	57.3	61.5	65.6	64.7	60.9	53.3	45.8	42.0	52.6
	S. D.	7,282	5,840	4,939	5,326	6,580	5,915	5,966	5,276	5,556	5,442	5,970	6,365	10,817
	TOTAL OBS	2011	1838	2015	1950	2108	2040	2170	2170	2099	2170	2100	2168	24639
12-14	MEAN	42.2	46.0	49.2	55.1	62.1	66.1	71.2	70.6	66.6	57.8	49.1	44.5	57.0
	S. D.	6,930	6,088	5,999	6,746	7,853	7,057	6,945	6,587	6,855	6,205	5,968	5,906	12,015
	TOTAL OBS	2009	1836	2015	1950	2108	2040	2169	2170	2100	2170	2100	2167	24836
15-17	MEAN	42.2	47.0	49.4	55.6	63.0	67.3	73.4	72.4	67.6	57.6	48.7	44.2	57.6
	S. D.	6,891	6,189	6,202	7,190	8,191	7,586	7,321	7,001	7,130	6,247	5,807	5,839	12,729
	TOTAL OBS	2009	1838	2015	1950	2108	2040	2169	2170	2099	2170	2100	2169	24837
18-20	MEAN	40.3	43.9	45.8	51.5	59.0	64.0	69.6	68.2	62.6	53.8	46.2	42.5	54.2
	S D.	6,901	5,474	5,152	6,027	7,243	7,032	6,932	6,112	5,815	5,078	5,911	5,926	11,774
	TOTAL OBS	2012	1837	2015	1950	2107	2040	2166	2170	2100	2170	2100	2170	24837
21-23	MEAN	39.2	42.0	43.1	47.6	54.9	58.6	62.9	62.5	58.3	51.6	44.9	41.7	50.7
	S. D.	7,277	5,524	4,471	4,507	5,137	4,852	4,871	4,163	4,349	4,834	5,782	6,158	9,744
	TOTAL OBS	2010	1837	2014	1949	2106	2037	2166	2169	2098	2167	2099	2170	24816
ALL HOURS	MEAN	39.7	42.8	44.3	49.2	55.8	60.9	64.7	64.2	60.2	52.9	45.7	42.2	52.1
	S. D.	7,475	6,469	6,153	6,985	7,984	7,453	8,046	7,381	7,214	6,271	6,301	6,375	11,161
	TOTAL OBS	16075	14703	16117	15599	16839	16315	17348	17359	16796	17357	16794	17353	199675

1210 WS FORM JUL 64 0-89-5 (OL-I)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24244 — STATION
SEATTLE WASHINGTON EXC — STATION NAME
45-63 — YEARS

HRS (L S T)		JAN	FEB	MAR	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	37.1	39.3	39.8	43.2	48.3	52.5	55.6	56.4	53.9	48.8	42.7	39.8	46.6
	S. D.	7,422	5,830	4,342	3,768	3,292	3,553	3,306	2,959	3,780	4,678	5,852	6,146	8,241
	TOTAL OBS	2006	1846	2015	1950	2108	2035	2169	2170	2100	2170	2099	2170	24830
03-05	MEAN	36.7	38.7	39.1	42.2	47.2	51.6	54.6	55.4	52.9	48.1	42.2	39.5	45.8
	S. D.	7,640	5,969	4,547	3,943	3,966	3,362	3,092	2,890	3,852	4,827	6,041	6,367	8,130
	TOTAL OBS	2007	1838	2014	1950	2107	2037	2170	2170	2100	2170	2100	2170	24833
06-08	MEAN	36.4	38.4	39.0	42.1	46.2	52.0	55.6	55.9	53.1	48.0	42.0	39.3	46.1
	S. D.	7,810	6,020	4,579	3,851	3,934	3,384	3,100	2,804	3,850	4,865	6,064	6,466	8,454
	TOTAL OBS	2011	1836	2014	1950	2107	2037	2169	2170	2100	2170	2100	2168	24832
09-11	MEAN	37.3	40.2	41.7	46.0	51.3	55.4	58.7	58.9	56.1	50.2	43.5	40.2	48.5
	S. D.	7,196	5,552	4,148	3,900	4,462	3,954	3,812	3,322	3,853	4,663	5,665	6,135	8,875
	TOTAL OBS	2011	1836	2015	1950	2108	2039	2170	2170	2099	2170	2100	2168	24836
12-14	MEAN	39.5	42.8	44.1	48.2	53.5	57.4	61.1	61.4	58.6	52.5	45.5	41.8	50.7
	S. D.	6,674	5,209	4,423	4,333	4,826	4,282	4,112	3,662	4,224	4,748	5,358	5,672	8,992
	TOTAL OBS	2009	1838	2015	1950	2108	2040	2169	2168	2100	2170	2100	2167	24834
15-17	MEAN	39.6	43.1	44.3	48.4	53.9	57.8	62.0	61.9	58.9	52.5	45.4	41.8	51.0
	S. D	6,682	5,166	4,524	4,389	4,938	4,442	4,153	3,668	4,299	4,753	5,354	5,694	9,19
	TOTAL OBS	2009	1838	2015	1950	2108	2037	2169	2166	2099	2170	2100	2169	24833
18-20	MEAN	38.4	41.4	42.6	46.6	52.4	56.6	60.6	60.4	57.0	50.8	44.1	40.7	49.5
	S. D	6,857	5,183	4,348	4,200	4,729	4,328	4,133	3,510	4,008	4,552	5,416	5,840	9,102
	TOTAL OBS	2012	1837	2015	1950	2107	2037	2166	2170	2100	2170	2100	2170	24834
21-23	MEAN	37.6	40.1	40.9	44.7	50.1	54.5	57.7	58.0	55.2	49.0	43.3	40.2	47.5
	S D.	7,228	5,437	4,223	3,804	4,225	3,873	3,784	3,130	3,758	4,546	5,616	5,964	8,554
	TOTAL OBS	2010	1837	2014	1949	2106	2034	2166	2169	2098	2167	2099	2170	24813
ALL HOURS	MEAN	37.9	40.5	41.4	45.2	50.8	54.8	58.3	58.5	55.7	50.0	43.8	40.4	48.3
	S. D	7,287	5,795	4,817	4,624	5,011	4,509	4,554	4,028	4,531	4,991	5,813	6,109	8,701
	TOTAL OBS	16075	14700	16117	15599	16859	16296	17348	17353	16796	17357	16794	17352	198[illegible]

1210 WS FORM JUL 64 0-89-5 (OL-1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24244 — STATION
SEATTLE WASHINGTON FSL — STATION NAME
45-68 — YEARS

HRS (L S T)		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG.	SEP.	OCT	NOV.	DEC	ANNUAL
00-02	MEAN	34.6	37.1	37.7	40.9	45.8	50.1	53.1	54.3	52.1	47.2	41.0	37.9	44.5
	S. D.	8.725	6.336	4.977	4.257	4.344	3.909	3.740	3.290	4.011	4.822	6.395	8.813	8.559
	TOTAL OBS	2009	1838	2015	1950	2108	2035	2169	2170	2100	2170	2099	2170	24833
03-05	MEAN	34.4	36.8	37.2	40.4	45.2	49.6	52.7	53.7	51.5	46.7	40.6	37.7	44.1
	S D	8.973	6.803	5.134	4.226	4.183	3.726	3.419	3.106	3.996	4.916	6.558	8.970	8.524
	TOTAL OBS	2010	1838	2015	1950	2107	2037	2170	2170	2100	2170	2100	2170	24837
06-08	MEAN	34.2	36.6	37.0	40.5	45.5	49.9	53.1	53.9	51.5	46.5	40.2	37.5	44.1
	S. D.	9.007	6.764	5.211	4.248	4.223	3.811	3.381	3.010	3.921	4.997	6.621	7.055	8.686
	TOTAL OBS	2014	1836	2015	1950	2107	2037	2169	2170	2100	2170	2100	2169	24837
09-11	MEAN	34.7	37.2	37.7	41.1	46.1	50.6	54.0	54.9	52.6	47.3	40.9	37.9	44.5
	S D	8.617	6.807	5.239	4.752	4.982	4.315	3.962	3.477	4.234	5.106	6.935	7.008	8.892
	TOTAL OBS	2014	1838	2015	1950	2108	2039	2170	2170	2099	2170	2100	2169	24841
12-14	MEAN	35.7	38.1	38.4	41.2	46.3	51.0	54.6	55.4	53.0	47.9	41.5	38.6	45.3
	S. D.	8.492	6.962	5.695	5.490	5.607	4.894	4.583	4.065	4.966	5.527	6.738	6.961	9.037
	TOTAL OBS	2012	1838	2015	1950	2108	2040	2169	2166	2100	2170	2100	2167	24837
15-17	MEAN	35.9	38.4	38.4	41.1	46.3	51.0	54.7	55.2	52.9	48.1	41.8	38.7	45.4
	S. D.	8.515	6.725	5.958	5.597	5.828	5.176	4.720	4.243	5.045	5.474	6.507	6.943	8.990
	TOTAL OBS	2012	1838	2015	1950	2108	2037	2169	2166	2099	2170	2100	2169	24837
18-20	MEAN	35.7	38.3	38.7	41.4	46.7	51.1	54.7	55.3	53.0	48.1	41.7	38.4	45.4
	S. D.	8.344	6.489	5.368	5.046	5.312	4.760	4.403	3.992	4.501	5.020	6.300	6.829	8.830
	TOTAL OBS	2013	1837	2015	1950	2107	2037	2166	2170	2100	2170	2100	2170	24837
21-23	MEAN	35.2	37.7	38.3	41.5	46.5	50.8	54.1	54.9	52.6	47.6	41.3	38.1	45.1
	S. D.	8.718	6.526	5.039	4.449	4.765	4.364	4.209	3.489	4.165	4.853	6.282	6.757	8.723
	TOTAL OBS	2013	1837	2014	1949	2107	2034	2166	2169	2098	2167	2095	2170	24819
ALL HOURS	MEAN	35.1	37.5	37.9	41.0	46.1	50.5	53.9	54.7	52.4	47.4	41.1	38.1	44.8
	S. D.	8.694	6.770	5.365	4.799	4.964	4.436	4.151	3.661	4.413	5.127	6.513	6.929	8.790
	TOTAL OBS	16099	14700	16119	15599	16860	16296	17348	17353	16796	17357	16794	17353	198674

1210 WS FORM JUL 64 0-89-5 (OL-1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
46-65 — PERIOD
JAN — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	99.5	98.7	96.9	92.0	79.8	46.7	87.0	2006
	03-05	100.0	100.0	100.0	99.5	98.8	97.3	92.2	80.5	46.2	87.1	2007
	06-08	100.0	100.0	100.0	99.7	99.3	97.9	93.1	80.8	45.4	87.3	2011
	09-11	100.0	100.0	100.0	99.4	98.2	95.0	87.7	71.2	34.5	84.1	2011
	12-14	100.0	100.0	99.7	98.6	95.4	88.4	77.1	52.3	23.0	79.0	2009
	15-17	100.0	100.0	99.5	98.7	95.7	89.4	77.0	52.1	24.4	79.3	2009
	18-20	100.0	100.0	100.0	99.6	98.0	95.4	88.8	70.7	35.8	84.3	2012
	21-23	100.0	100.0	100.0	99.5	97.9	95.3	90.6	76.9	42.7	85.9	2010
TOTALS		100.0	100.0	99.9	99.3	97.8	94.4	87.3	70.9	37.4	84.3	16075

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244	SEATTLE WASHINGTON FWC	46-68	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	99.8	99.5	98.9	97.1	92.9	80.5	47.3	87.1	1838
	03-05	100.0	100.0	99.9	99.9	99.5	98.3	94.1	83.1	51.6	88.5	1838
	06-08	100.0	100.0	100.0	99.9	99.3	98.3	94.9	84.7	50.9	88.5	1836
	09-11	100.0	99.9	99.6	99.0	98.0	95.0	85.8	62.4	28.7	82.4	1838
	12-14	99.8	99.7	99.0	97.2	92.4	82.5	62.9	36.0	13.5	73.8	1838
	15-17	100.0	99.9	99.3	97.2	91.2	80.8	61.2	37.3	15.7	73.8	1838
	18-20	100.0	100.0	99.7	99.0	97.2	93.4	83.6	60.6	25.4	81.5	1837
	21-23	100.0	100.0	99.9	99.4	98.7	96.4	92.1	75.1	39.1	85.4	1837
TOTALS		100.0	99.9	99.7	98.9	96.9	92.7	83.4	63.0	34.0	82.6	14700

USAF ETAC FORM JUL 64 0-87-5 (OL I)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
46-68 — PERIOD
MAR — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	99.0	95.0	94.9	81.0	42.5	87.1	2015
	03-05	100.0	100.0	100.0	100.0	99.7	98.7	95.3	85.0	49.7	88.5	2014
	06-08	100.0	100.0	100.0	100.0	99.0	98.5	94.3	84.6	46.5	87.8	2014
	09-11	100.0	100.0	99.3	98.7	95.5	88.3	72.5	44.9	16.3	77.1	2015
	12-14	100.0	100.0	99.3	95.9	85.5	67.9	44.0	23.4	7.9	67.9	2015
	15-17	100.0	100.0	99.0	94.3	83.4	65.7	45.2	25.0	9.4	67.7	2015
	18-20	100.0	100.0	100.0	99.4	95.9	87.9	70.4	44.9	17.5	77.1	2015
	21-23	100.0	100.0	100.0	100.0	98.9	96.6	90.1	66.7	29.8	84.7	2014
TOTALS		100.0	100.0	99.7	98.5	94.7	87.7	75.8	50.6	27.4	79.6	16117

USAF ETAC FORM Oct 64 0-87-5 (OL 1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244 — STATION
SEATTLE WASHINGTON FHC — STATION NAME
46-08 — PERIOD
APR — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	99.8	99.4	98.3	94.1	73.7	34.7	83.7	1950
	03-05	100.0	100.0	99.9	99.8	99.3	99.3	97.4	86.3	47.4	88.5	1950
	06-08	100.0	100.0	100.0	99.9	99.8	98.3	93.7	73.0	34.2	83.5	1950
	09-11	100.0	100.0	99.8	98.0	92.4	78.4	53.2	25.3	7.5	71.0	1950
	12-14	100.0	99.7	97.6	91.8	75.4	50.2	28.7	12.9	4.4	61.6	1950
	15-17	99.9	99.6	97.0	89.1	68.4	47.3	29.7	10.1	4.9	60.7	1950
	18-20	100.0	100.0	99.8	97.0	88.7	72.1	50.8	27.7	10.5	70.3	1950
	21-23	100.0	100.0	99.9	99.7	98.4	94.3	82.3	51.9	15.8	80.1	1949
TOTALS		100.0	99.9	99.3	96.9	90.2	79.8	66.2	40.2	20.3	75.4	15599

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

04-72 DATA PROCESSING FORMS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
45-68 — PERIOD
MAY — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	99.7	98.5	92.4	60.4	21.7	83.0	2108
	03-05	100.0	100.0	100.0	100.0	99.9	99.6	97.5	80.4	34.5	86.9	2107
	06-08	100.0	100.0	100.0	99.9	99.4	97.9	89.6	56.3	18.1	81.9	2107
	09-11	100.0	99.8	99.2	97.3	90.6	69.8	42.0	10.9	4.6	67.6	2108
	12-14	100.0	99.3	97.5	90.1	69.5	41.7	19.9	8.4	2.4	58.6	2108
	15-17	100.0	99.8	96.6	84.9	60.7	37.6	21.3	10.3	2.5	57.0	2108
	18-20	100.0	100.0	99.3	95.4	83.0	61.4	36.6	19.2	5.7	65.7	2107
	21-23	100.0	100.0	100.0	99.8	98.4	92.6	72.9	37.4	11.0	76.9	2106
TOTALS		100.0	99.9	99.1	95.9	87.7	74.9	59.0	30.9	12.6	72.3	16859

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244	SEATTLE WASHINGTON FWC	45-68	JUN
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%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	99.5	92.8	63.7	14.2	82.7	2035
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	97.8	79.0	24.2	85.9	2027
	06-08	100.0	100.0	100.0	100.0	99.9	98.6	87.8	53.7	12.5	80.8	2037
	09-11	100.0	100.0	99.8	99.0	94.3	72.2	42.7	18.9	4.8	68.7	2039
	12-14	100.0	99.9	99.1	93.9	73.8	43.5	21.9	10.1	3.1	60.0	2040
	15-17	100.0	99.7	98.5	90.7	64.7	37.1	20.5	10.0	2.9	57.9	2037
	18-20	100.0	100.0	99.4	96.1	83.8	58.9	34.5	19.7	4.7	64.9	2037
	21-23	100.0	100.0	99.9	99.9	99.1	92.9	71.3	34.9	7.9	76.3	2034
TOTALS		100.0	99.9	99.6	97.4	89.4	75.3	58.6	35.7	9.3	72.1	16296

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
45-68 — PERIOD
JUL — 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	99.9	98.5	89.9	55.3	11.2	81.1	2169
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	97.8	79.6	23.4	85.7	2170
	06-08	100.0	100.0	100.0	100.0	99.8	98.7	88.1	59.4	11.8	80.9	2169
	09-11	100.0	100.0	99.9	99.2	92.9	71.2	38.9	13.5	2.9	67.3	2170
	12-14	100.0	99.9	99.4	93.8	68.7	36.7	15.3	5.1	1.3	57.3	2169
	15-17	100.0	100.0	98.5	87.2	54.8	27.4	11.5	4.2	1.1	53.8	2169
	18-20	100.0	100.0	99.6	95.2	77.8	47.7	21.8	7.9	1.7	60.6	2166
	21-23	100.0	100.0	100.0	99.9	98.6	90.3	64.6	23.8	4.6	73.8	2166
TOTALS		100.0	100.0	99.7	96.9	86.6	71.3	53.5	30.6	7.2	70.1	17348

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

3

RELATIVE HUMIDITY

24244	SEATTLE WASHINGTON FWC	45-68	AUG
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.9	99.5	95.4	68.7	16.3	83.6	2170
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.0	84.7	32.9	87.3	2170
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	95.9	72.7	23.0	84.9	2170
	09-11	100.0	100.0	99.9	99.5	96.7	82.4	55.6	22.5	3.9	71.0	2170
	12-14	100.0	100.0	99.2	94.8	76.8	47.0	21.7	7.1	1.7	60.3	2168
	15-17	100.0	99.9	98.7	89.1	62.3	35.0	15.4	6.6	1.8	56.5	2166
	18-20	100.0	100.0	99.7	96.7	86.1	62.4	32.5	13.5	3.5	69.0	2170
	21-23	100.0	100.0	100.0	99.9	99.3	94.7	75.6	34.9	7.0	76.8	2169
TOTALS		100.0	100.0	99.7	97.5	90.1	77.6	61.4	35.8	11.3	73.3	17353

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

DATA PROCESSING FORMS 04472

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

3

RELATIVE HUMIDITY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
45-68 — PERIOD
SEP — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	99.5	97.2	79.0	42.2	86.6	2100
	03-05	100.0	100.0	100.0	100.0	99.9	99.6	99.1	90.1	49.4	89.7	2100
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	97.7	83.1	43.7	88.6	2100
	09-11	100.0	100.0	99.8	99.2	96.7	87.3	65.4	36.9	10.5	75.2	2099
	12-14	100.0	99.9	99.0	94.7	81.2	55.5	30.2	13.9	3.2	63.6	2100
	15-17	100.0	99.9	99.1	93.2	75.4	47.2	27.2	11.3	2.9	61.2	2099
	18-20	100.0	100.0	99.9	98.9	94.6	80.9	56.8	27.3	6.3	72.1	2100
	21-23	100.0	100.0	100.0	100.0	99.7	95.0	90.6	60.4	17.1	82.2	2098
TOTALS		100.0	100.0	99.7	98.2	93.4	83.5	70.5	50.5	20.7	77.4	16796

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

DATA PROCESSING FORMS 0477

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
45-68 — PERIOD
OCT — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	99.7	98.0	89.3	48.6	89.4	2170
	03-05	100.0	100.0	100.0	100.0	99.9	99.6	98.4	89.9	54.8	90.3	2170
	06-08	100.0	100.0	100.0	100.0	99.6	99.4	98.2	87.4	52.0	89.9	2170
	09-11	100.0	100.0	100.0	100.0	99.0	95.4	82.6	54.5	21.2	81.0	2170
	12-14	100.0	100.0	100.0	98.8	93.6	76.5	49.2	27.1	7.3	70.9	2170
	15-17	100.0	100.0	100.0	99.3	94.0	78.8	52.3	28.8	9.0	71.8	2170
	18-20	100.0	100.0	100.0	100.0	99.7	97.1	88.1	59.2	17.7	81.8	2170
	21-23	100.0	100.0	100.0	100.0	100.0	99.4	96.5	81.3	34.7	86.9	2167
TOTALS		100.0	100.0	100.0	99.7	98.2	93.2	82.9	64.7	30.7	82.7	17357

USAF ETAC FORM AUL 64 0-87-5 (OL I)

DATA PROCESSING (CDMPS) 04-72

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
45-65 — PERIOD
NOV — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	99.7	98.9	96.5	84.6	49.6	88.8	2099
	03-05	100.0	100.0	100.0	100.0	99.6	98.9	96.2	80.6	54.1	89.5	2100
	06-08	100.0	100.0	100.0	100.0	99.6	98.9	95.8	80.6	51.1	89.1	2100
	09-11	100.0	100.0	100.0	99.9	98.9	96.4	88.2	50.8	30.0	83.8	2100
	12-14	100.0	100.0	99.8	99.7	95.8	86.2	67.8	42.4	17.2	76.4	2100
	15-17	100.0	100.0	100.0	99.5	97.5	90.0	72.6	46.9	20.1	78.3	2100
	18-20	100.0	100.0	100.0	99.7	99.2	97.6	92.0	72.1	31.3	84.9	2100
	21-23	100.0	100.0	100.0	100.0	99.3	98.5	95.9	82.1	43.3	87.6	2095
TOTALS		100.0	100.0	100.0	99.7	98.7	95.7	89.1	71.0	37.1	84.8	16794

USAF ETAC FORM 0-87-5 (OL 1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
45-68 — PERIOD
DEC — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	99.8	98.6	95.2	82.1	49.0	88.2	2170
	03-05	100.0	100.0	100.0	100.0	99.9	98.7	95.6	84.4	50.7	88.6	2170
	06-08	100.0	100.0	100.0	100.0	99.8	98.6	96.6	86.0	51.0	88.9	2168
	09-11	100.0	100.0	100.0	99.5	99.3	97.6	92.3	74.2	38.9	85.8	2168
	12-14	100.0	100.0	99.9	99.4	97.7	93.8	81.3	54.8	25.2	80.7	2167
	15-17	100.0	100.0	99.9	99.5	98.3	95.3	84.2	58.0	25.4	81.6	2169
	18-20	100.0	100.0	99.9	99.7	99.1	97.9	93.8	75.5	39.3	85.9	2170
	21-23	100.0	100.0	100.0	99.9	99.4	97.4	93.9	80.8	44.4	87.2	2170
TOTALS		100.0	100.0	99.9	99.8	99.2	97.2	91.6	74.5	40.5	85.9	17352

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244 — STATION
SEATTLE WASHINGTON FWC — STATION NAME
45-68 — PERIOD
ALL — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.9	99.3	97.8	94.4	87.3	70.9	37.4	84.3	16075
FEB		100.0	99.9	99.7	98.9	96.9	92.7	83.4	65.0	34.0	82.6	14700
MAR		100.0	100.0	99.7	98.5	94.7	87.7	75.8	56.6	27.4	79.6	16117
APR		100.0	99.9	99.3	96.9	90.2	79.8	66.2	46.2	20.3	75.4	15999
MAY		100.0	99.9	99.1	95.9	87.7	74.9	59.0	36.9	12.6	72.3	16859
JUN		100.0	99.9	99.6	97.4	89.4	75.3	58.6	35.7	9.3	72.1	16296
JUL		100.0	100.0	99.7	96.9	86.6	71.3	53.5	30.6	7.2	70.1	17348
AUG		100.0	100.0	99.7	97.5	90.1	77.6	61.4	38.8	11.3	73.3	17353
SEP		100.0	100.0	99.7	98.2	93.4	83.5	70.5	50.5	20.7	77.4	16796
OCT		100.0	100.0	100.0	99.7	98.2	93.2	82.9	64.7	30.7	82.7	17357
NOV		100.0	100.0	100.0	99.7	98.7	95.7	88.1	71.0	37.1	84.8	16794
DEC		100.0	100.0	99.9	99.8	99.2	97.2	91.6	74.5	40.5	85.9	17352
TOTALS		100.0	100.0	99.7	98.2	93.6	85.2	73.1	53.3	23.9	78.3	198646

USAF ETAC FORM JUL 64 0 87-5 (OL 1)

04472 DATA PROCESSING FORMS

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

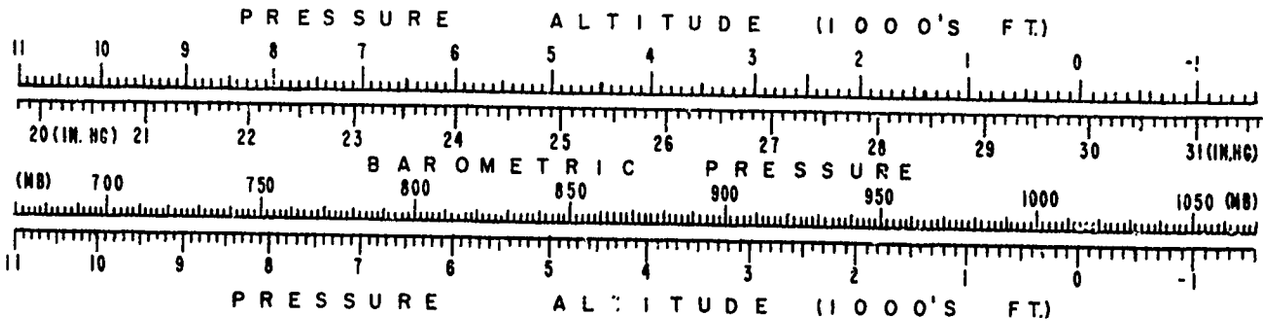
PART F PRESSURE SUMMARY

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 to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



F

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

24244 — STATION
SEATTLE WASHINGTON F&C — STATION NAME
46-63 — YEARS

HRS.(L.S.T.)		JAN.	FEB	MAR.	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	29.991	29.998	29.955	30.001	29.996	29.980	29.997	29.981	29.973	29.983	29.986	29.975	29.986
	S. D.	.314	.280	.252	.200	.157	.127	.107	.103	.148	.220	.266	.306	.227
	TOTAL OBS	710	650	713	689	713	690	709	713	690	713	690	713	8393
04	MEAN	29.994	29.997	29.951	29.993	29.999	29.983	30.006	29.984	29.975	29.981	29.990	29.976	29.986
	S. D.	.316	.280	.254	.206	.158	.129	.113	.106	.150	.226	.266	.306	.222
	TOTAL OBS	710	650	713	689	713	690	709	713	690	712	690	713	8392
07	MEAN	29.991	30.000	29.957	30.011	30.013	29.997	30.022	29.989	29.990	29.989	29.995	29.973	29.994
	S. D.	.318	.280	.259	.211	.159	.131	.114	.106	.153	.223	.267	.307	.248
	TOTAL OBS	712	649	712	690	713	690	709	713	690	713	690	712	8393
10	MEAN	29.999	30.017	29.970	30.010	30.011	29.995	30.023	30.007	29.996	30.003	29.998	29.994	30.002
	S. D.	.319	.280	.257	.207	.159	.130	.110	.106	.153	.224	.266	.307	.250
	TOTAL OBS	712	650	713	690	713	690	709	713	690	712	690	712	8394
13	MEAN	29.987	29.991	29.953	29.999	29.992	29.980	30.006	29.988	29.974	29.981	29.991	29.973	29.984
	S. D.	.319	.276	.256	.202	.157	.132	.107	.106	.150	.221	.263	.305	.225
	TOTAL OBS	710	650	713	690	712	690	708	713	690	713	690	712	8391
16	MEAN	29.964	29.962	29.933	29.978	29.976	29.964	29.980	29.947	29.952	29.967	29.980	29.965	29.967
	S. D.	.315	.270	.246	.197	.155	.127	.107	.366	.145	.218	.262	.304	.242
	TOTAL OBS	711	650	713	690	713	690	708	713	689	713	690	713	8393
19	MEAN	29.986	29.980	29.933	29.976	29.967	29.958	29.986	29.953	29.951	29.978	29.982	29.967	29.967
	S. D.	.314	.271	.250	.194	.154	.126	.107	.103	.144	.220	.265	.306	.217
	TOTAL OBS	712	650	713	690	712	690	708	713	690	713	690	713	8394
22	MEAN	29.994	29.993	29.953	29.998	29.990	29.971	29.990	29.973	29.960	29.983	29.986	29.976	29.980
	S. D.	.316	.273	.249	.196	.155	.204	.107	.104	.249	.221	.268	.305	.231
	TOTAL OBS	712	649	712	690	713	690	707	713	690	713	688	712	8389
ALL HOURS	MEAN	29.991	29.995	29.950	29.997	29.992	29.979	29.999	29.978	29.972	29.982	29.989	29.975	29.983
	S. D.	.318	.279	.253	.216	.157	.141	.111	.214	.165	.222	.266	.306	.237
	TOTAL OBS	5609	5198	5702	5518	5702	5520	5667	5704	5519	5702	5518	5700	67139

1210 WS FORM JUL 64 0-89-5 (OL-1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

24244 — STATION
SEATTLE WASHINGTON FAC — STATION NAME
46-68 — YEARS

HRS (L S T)		JAN	FEB	MAR.	APR	MAY	JUN.	JUL	AUG	SEP	OCT.	NOV	DEC	ANNUAL
01	MEAN	1017.6	1017.6	1016.3	1017.9	1017.7	1017.1	1017.7	1017.1	1016.9	1017.4	1017.6	1016.9	1017.3
	S. D	10.672	9.496	8.548	6.737	5.254	4.332	3.637	3.536	5.057	7.594	9.005	10.383	7.454
	TOTAL OBS	711	649	713	688	712	690	709	713	690	711	690	713	8389
04	MEAN	1017.6	1017.7	1016.2	1017.8	1017.8	1017.2	1017.9	1017.2	1016.9	1017.3	1017.4	1017.0	1017.3
	S. D.	10.736	9.504	8.620	6.990	5.351	4.378	3.677	3.604	5.083	7.657	9.047	10.418	7.517
	TOTAL OBS	711	699	713	689	713	690	708	713	690	710	690	713	8390
07	MEAN	1017.5	1017.3	1016.5	1018.2	1018.2	1017.7	1018.6	1017.9	1017.4	1017.5	1017.6	1016.9	1017.7
	S. D.	10.784	9.493	8.668	7.067	5.389	4.417	3.654	3.638	5.189	7.376	9.041	10.419	7.531
	TOTAL OBS	713	650	711	689	713	690	709	713	690	709	690	713	8390
10	MEAN	1018.3	1018.4	1018.3	1018.4	1018.2	1017.6	1018.6	1018.0	1017.7	1018.0	1018.2	1017.5	1018.0
	S. D.	10.635	9.439	8.728	7.022	5.386	4.408	3.671	3.614	5.204	7.461	9.087	10.469	7.540
	TOTAL OBS	713	650	713	689	713	690	709	713	690	709	690	712	8391
13	MEAN	1017.4	1017.7	1016.2	1017.8	1017.5	1017.2	1018.0	1017.4	1016.9	1017.3	1017.5	1016.7	1017.5
	S D	10.796	9.291	8.556	6.854	5.318	4.401	3.606	3.606	5.073	7.336	8.989	10.402	7.459
	TOTAL OBS	712	649	712	689	712	690	708	713	690	709	690	712	8386
16	MEAN	1017.3	1017.2	1015.8	1017.1	1016.8	1016.6	1017.1	1016.8	1016.1	1016.8	1017.1	1016.6	1016.7
	S. D	10.662	9.191	8.334	6.669	5.248	4.309	3.638	3.559	4.906	7.201	8.899	10.309	7.340
	TOTAL OBS	712	650	710	689	713	690	708	713	690	709	690	713	8387
17	MEAN	1017.4	1017.3	1015.7	1017.0	1016.7	1016.4	1016.7	1016.2	1016.1	1016.9	1017.2	1016.6	1016.7
	S. D.	10.662	9.139	8.333	6.583	5.136	4.232	3.634	3.512	4.877	7.253	8.983	10.373	7.334
	TOTAL OBS	713	649	711	690	712	690	708	713	690	710	690	712	8388
22	MEAN	1017.7	1017.6	1016.2	1017.8	1017.5	1017.0	1017.4	1016.9	1016.7	1017.4	1017.4	1017.0	1017.2
	S. D.	10.688	9.244	8.436	6.674	5.091	4.222	3.681	3.531	4.960	7.030	9.074	10.332	7.400
	TOTAL OBS	712	650	712	690	712	690	708	713	690	711	688	713	8389
ALL HOURS	MEAN	1017.5	1017.7	1016.2	1017.7	1017.6	1017.1	1017.5	1017.1	1016.8	1017.3	1017.5	1016.9	1017.4
	S. D.	10.727	9.344	8.540	6.841	5.296	4.352	3.719	3.622	5.067	7.444	9.013	10.386	7.458
	TOTAL OBS	5697	5197	5699	5513	5700	5520	5667	5704	5520	5678	5518	5701	67110

1210 WS FORM JUL 64 0-89-5 (OL-1)

PERCENTAGE OCCURRENCE OF CROSS-WINDS

INTRODUCTION

The data used to prepare these cross-wind charts are taken from Navy SMOS (Summary of Meteorological Observations, Synoptic). A cross-wind is defined as the component of the wind at right angles to a runway.

A. Cross-winds to a Single Runway.

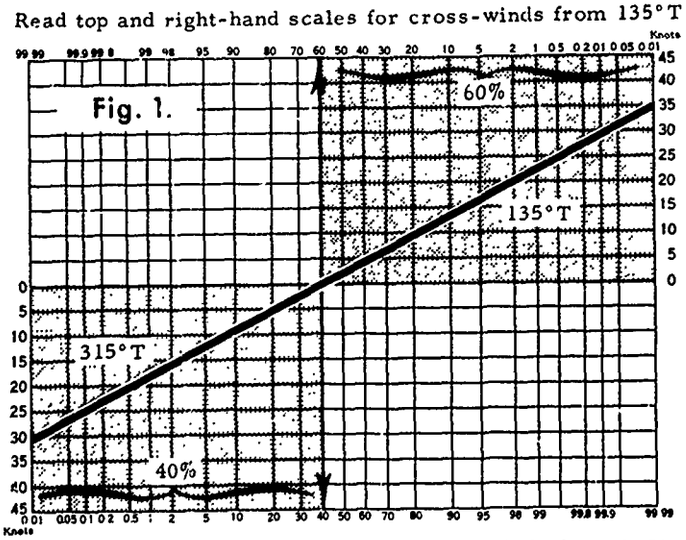
Cross-winds to a runway, in general, are distributed normally. Therefore, the mean and variance may be used to describe the distribution. A straight line, then, may be used on arithmetic probability paper to show the distribution of cross-winds to a particular runway. Such a distribution is shown in Figs. 1 and 2. The speed scales on the sides are linear, that is, the scale intervals are equal. The scales at the bottom and top are not exactly linear and this should be considered in interpolation.

Figs. 1 and 2 represent the distribution of cross-winds to a runway oriented NE-SW, that is, 045-225°T. Cross-winds to the runway bearing 045-225°T will be from 135°T or from 315°T.

The zero line is the dividing line between cross-winds from 135°T and cross-winds from 315°T.

Fig. 1 shows 60% of the cross-winds to be from 135°T and 40% to be from 315°T.

Read top and right-hand scales for cross-winds from 135°T



Read bottom and left-hand scales for cross-winds from 315°T

PERCENTAGE OCCURRENCE OF CROSS-WINDS

RUNWAY ORIENTED 045-225°T.

8.0% are greater than 10 knots and from 315°T
20.0% are greater than 10 knots and from 135°T

28.0% are greater than 10 knots and from either side.

0.1% are greater than 25 knots and from 315°T
0.5% are greater than 25 knots and from 135°T

0.6% are greater than 25 knots and from either side.

32.0% (40.0% - 8.0%) are 10 knots or less and from 315°T
40.0% (60.0% - 20.0%) are 10 knots or less and from 135°T

72.0% are 10 knots or less and from either side.

Read top and right-hand scales for cross-winds from 135°T

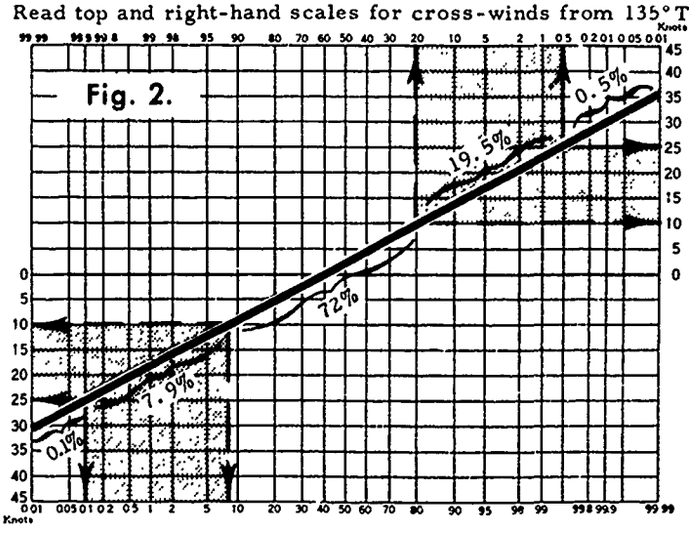


Fig. 2.

Read bottom and left-hand scales for cross-winds from 315°T

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PERCENTAGE OCCURRENCE OF CROSS-WINDS

The cross-wind to a runway complex is defined as the minimum of the cross-winds computed simultaneously for each of the several runways of the complex. As an example, an easterly wind of 10 Kts results in a 10 Kt cross-wind to a runway oriented North-South. However, if a second runway oriented East-West is present, this same wind results in a zero cross-wind, both to the East-West runway and the two-runway complex.

Cross-winds to a runway complex are not distributed normally and cannot be treated in the same way as those to a single runway. The transformation function ($\sqrt{x} + \sqrt{x+1}$) changes the vertical scale on arithmetic probability paper to the one shown on Fig. 3. Here, "x" is a cross-wind value. Using this transformation, in general, cross-winds to a runway complex are distributed normally. The line of best fit is then drawn for plotted minimum cross-wind data. Read the percentage of occurrence equal to or less than a desired value from the bottom or top scale. The scale values have been separated for easier reading. Subtract the reading for a desired value from 100% to obtain the percentage occurrence greater than the desired value.

PERCENTAGE OCCURRENCE OF MINIMUM CROSS-WINDS TO A RUNWAY COMPLEX (Fig. 3)

97% are 15 knots or less; 3% (100-97) are greater than 15 knots
74% are 5 knots or less; 26% (100-74) are greater than 5 knots
23% (97-74) are between 6 and 15 knots, inclusive.

RUNWAYS INCLUDED IN COMPLEX

090°-270°T
180°-360°T

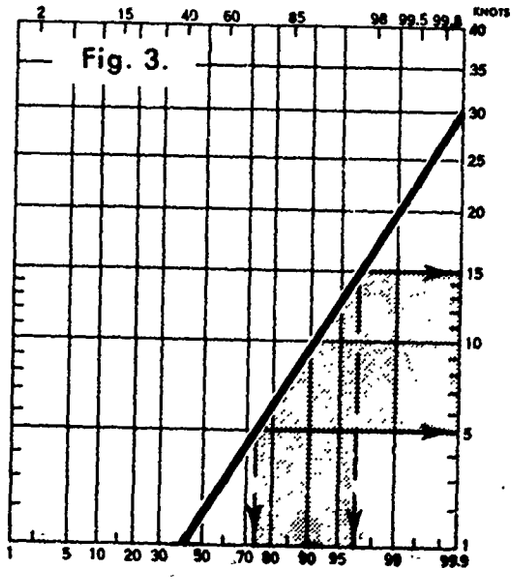

Fig. 3.

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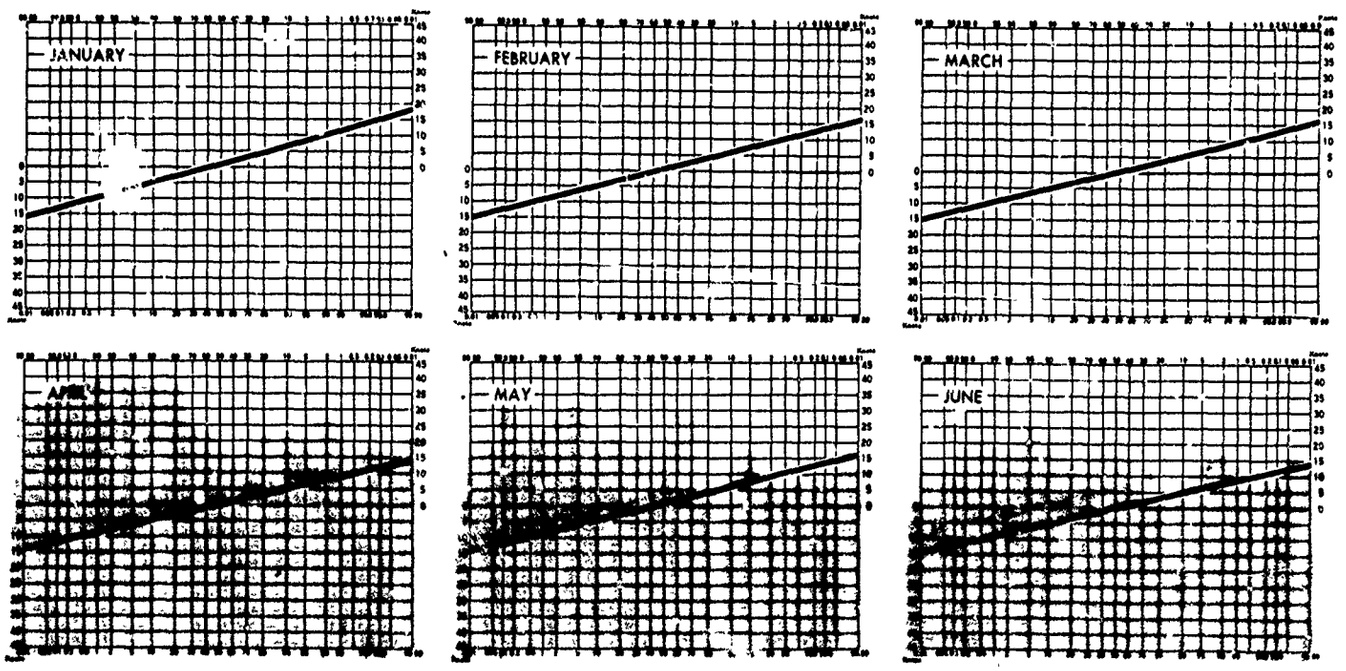
PERCENTAGE OCCURRENCE OF CROSS-WINDS

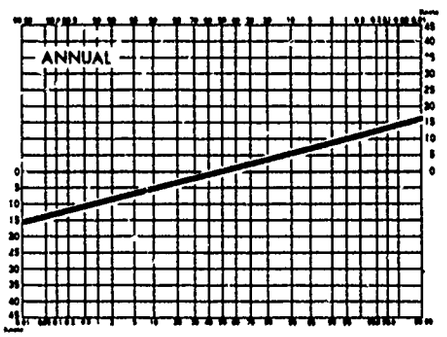
STATION: NWSED SEATTLE, WASHINGTON PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

PERCENTAGE OCCURRENCE OF CROSS-WINDS TO RUNWAY ORIENTED 032°T—212°T

READ TOP AND RIGHT-HAND SCALES FOR CROSS-WINDS FROM 122°T
READ BOTTOM AND LEFT-HAND SCALES FOR CROSS-WINDS FROM 302°T



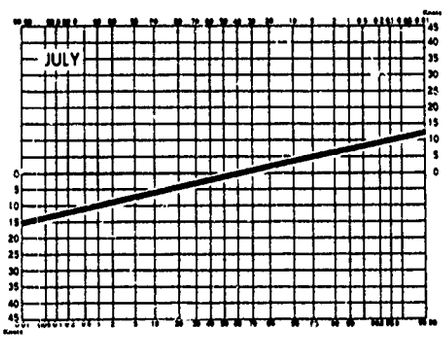
PERCENTAGE OCCURRENCE OF CROSS-WINDS TO RUNWAY ORIENTED 032°T–212°T

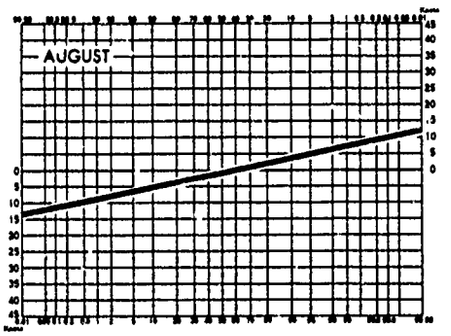


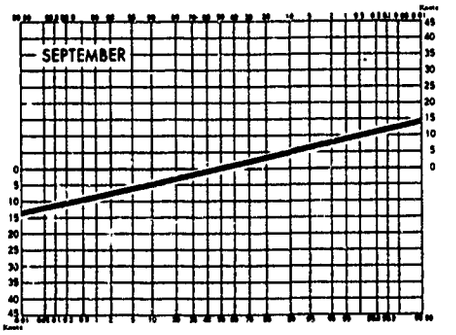
STATION: NWSED SEATTLE, WASHINGTON

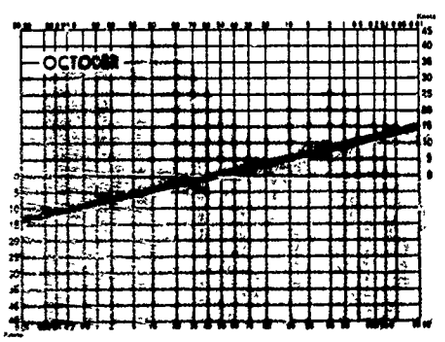
PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

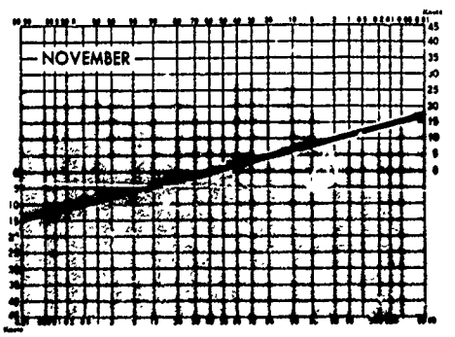
READ TOP AND RIGHT-HAND SCALES FOR CROSS-WINDS FROM 122°T
READ BOTTOM AND LEFT-HAND SCALES FOR CROSS-WINDS FROM 302°T

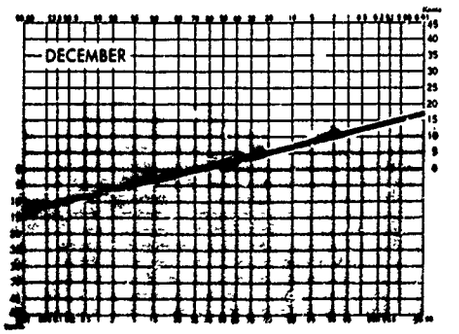










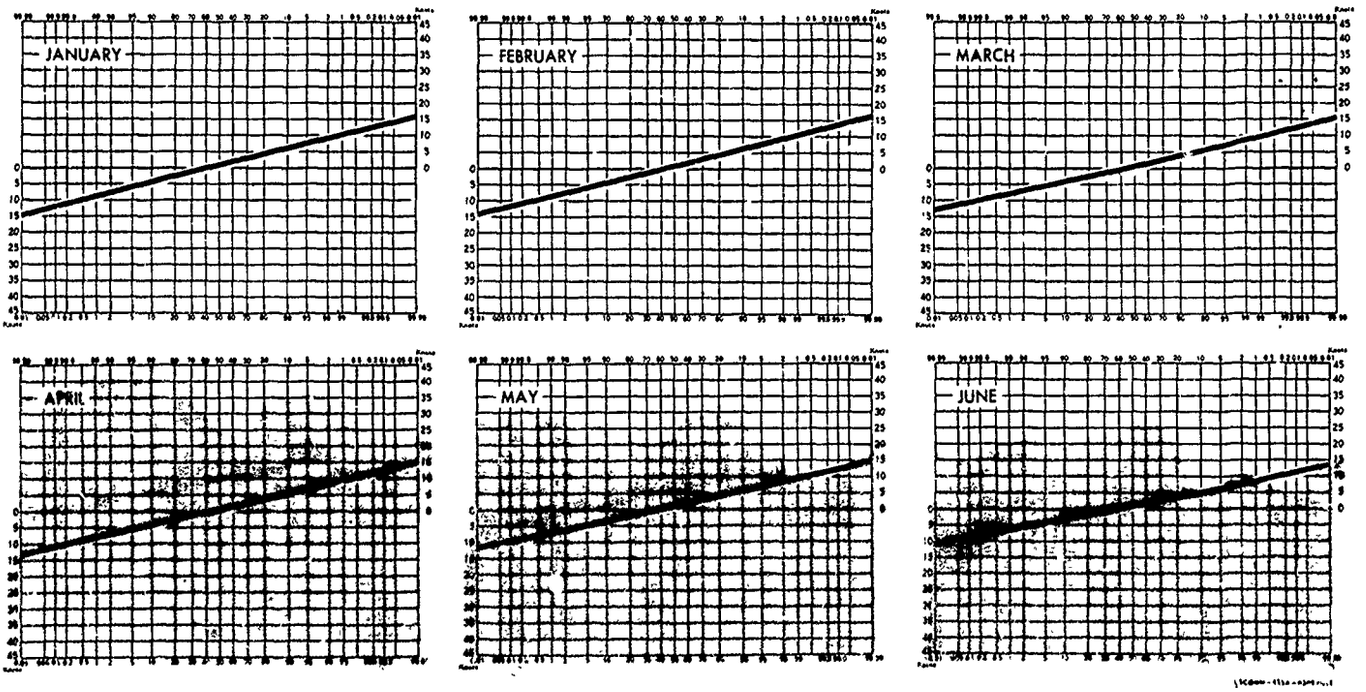


PERCENTAGE OCCURRENCE OF CROSS-WINDS

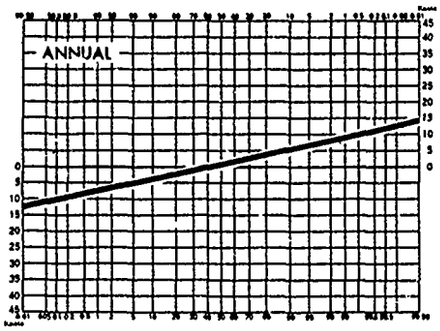
STATION: NWSED SEATTLE, WASHINGTON PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

PERCENTAGE OCCURRENCE OF CROSS-WINDS TO RUNWAY ORIENTED 162°T–342°T

READ TOP AND RIGHT-HAND SCALES FOR CROSS-WINDS FROM 252°T
READ BOTTOM AND LEFT-HAND SCALES FOR CROSS-WINDS FROM 072°T



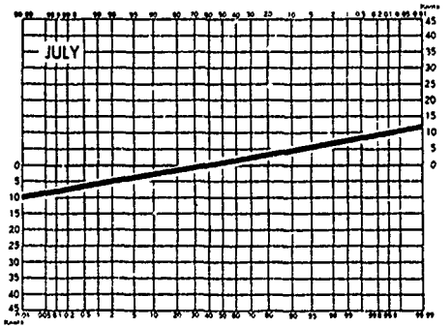
PERCENTAGE OCCURRENCE OF CROSS-WINDS TO RUNWAY ORIENTED 162°T–342°T

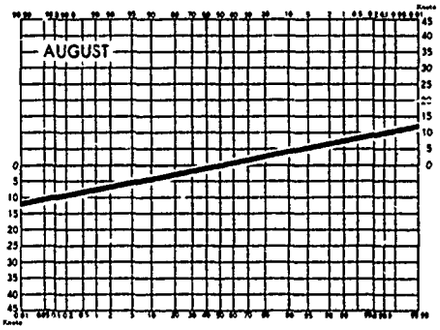


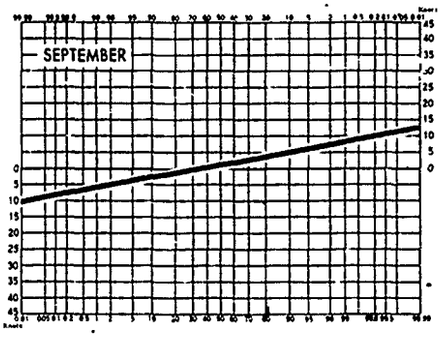
STATION: NWSED SEATTLE, WASHINGTON

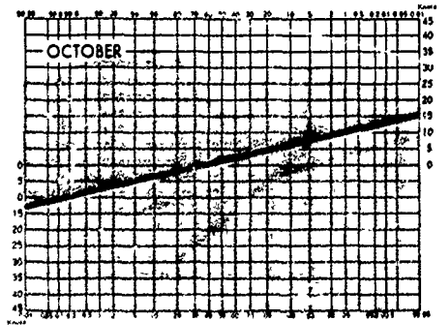
PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

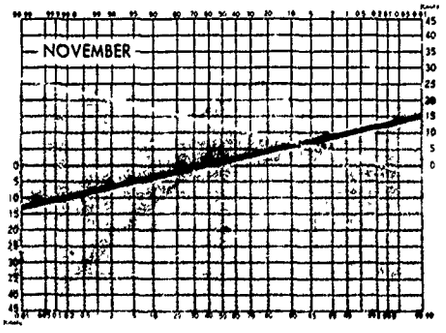
READ TOP AND RIGHT-HAND SCALES FOR CROSS-WINDS FROM 252°T
READ BOTTOM AND LEFT-HAND SCALES FOR CROSS-WINDS FROM 072°T

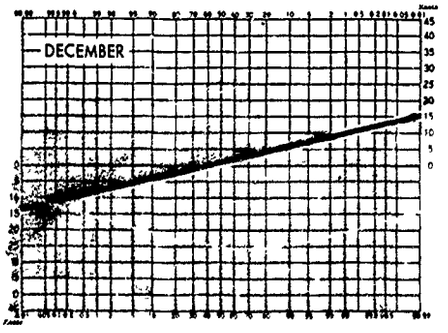






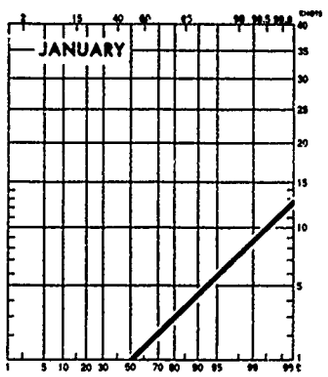


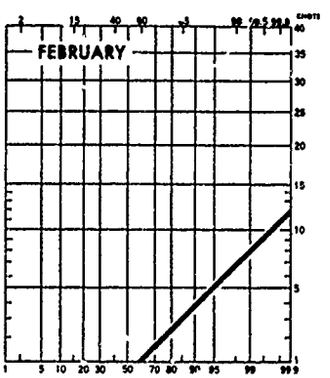


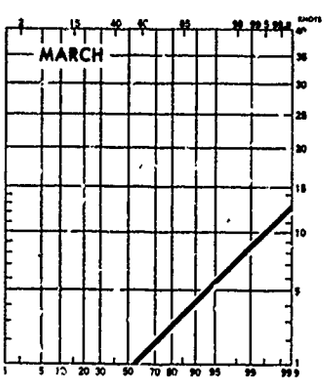


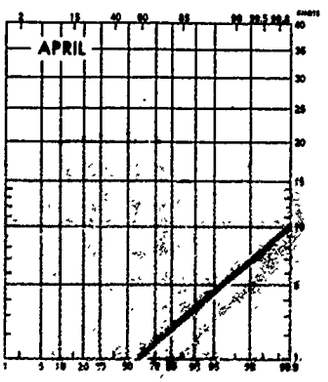
PERCENTAGE OCCURRENCE OF MINIMUM CROSS-WINDS TO RUNWAY COMPLEX

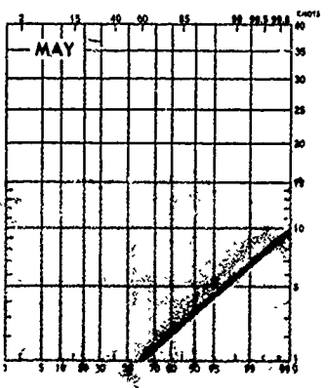
STATION: NWSED SEATTLE, WASH. PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

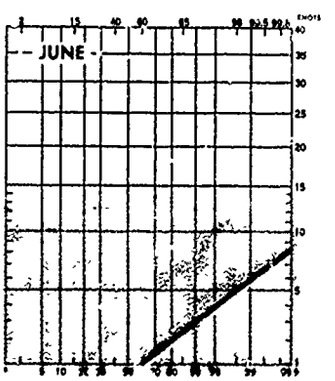












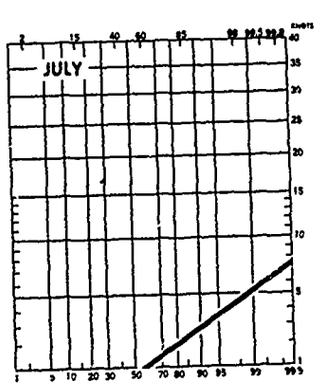
RUNWAYS INCLUDED IN COMPLEX

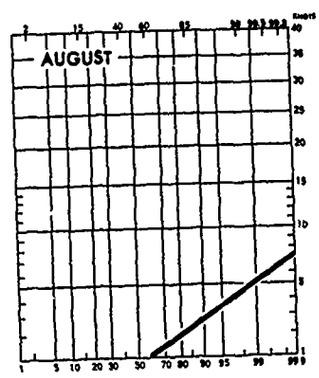
032°T–212°T
162°T–342°T

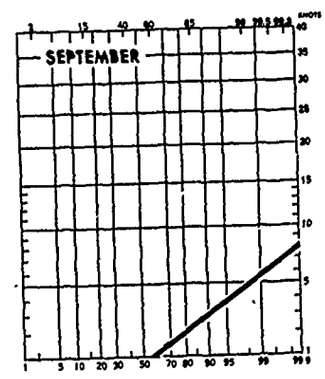
PERCENTAGE OCCURRENCE OF MINIMUM CROSS-WINDS TO RUNWAY COMPLEX

STATION: NWSED SEATTLE, WASH.

PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

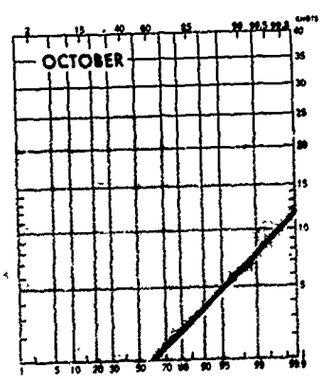


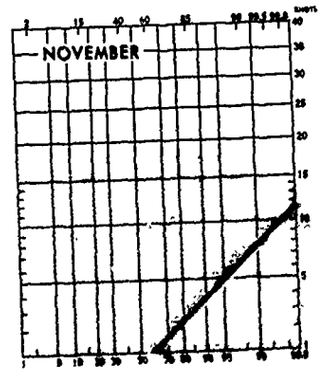


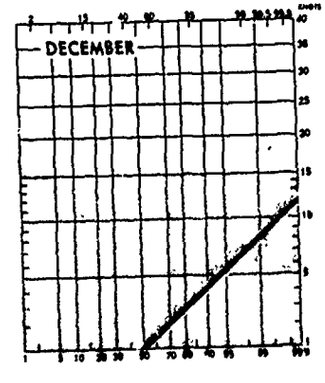


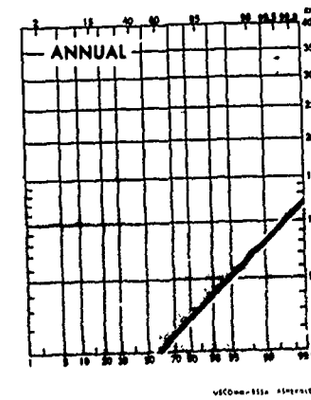
RUNWAYS INCLUDED IN COMPLEX

032°T–212°T
162°T–342°T









AN EXPLANATION AND APPLICATION OF A WIND ROSE DIAGRAM

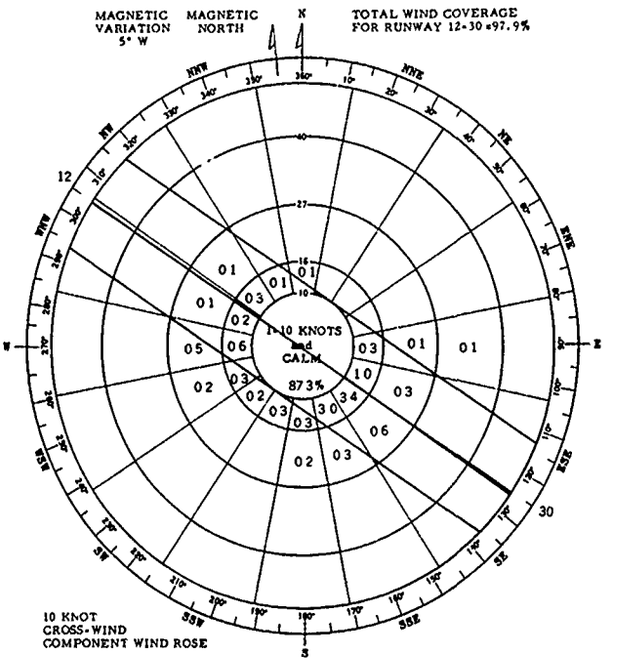
The surface wind rose diagram was constructed using the data from Part C of this Summary. The annual percentage frequencies include all weather classes, all months and all hours. These data have been grouped according to the wind-rose speed criterion. All wind speeds are expressed in knots.

To determine the desirable primary runway direction, it is suggested that an overlay with three parallel lines be used. (In the sample diagram below, the overlay is drawn for purposes of illustration.) One line is the center line and the other two are tangent to the innermost circle. The centerline, representing the center line of the runway, should be placed across the center of the wind rose and rotated until the maximum percentage is obtained by adding all the numerals appearing between the outside lines. Fractional portions of segments are to be included. To determine the most desirable orientation the sum of the numerals appearing within the outside lines should be equal to or greater than 95 percent.

A cross-wind is a wind having a component which is directed perpendicular to the axis of the runway. Thus, the percentage frequency of cross-winds for a station can be obtained by summing the numerals appearing outside the tangential lines.

The radial lines of the wind rose represent compass directions based on true north. The numbering and marking of the runways are designated according to magnetic north.

A 10 knot cross-wind component wind rose has been constructed as a sample application. The sum of all the numerals, including fractional portions, appearing within the outside lines equals 97.9 percent. The direction of the proposed runway (12-30) may be shifted slightly because of obstructions in the approach zone or other reasons.



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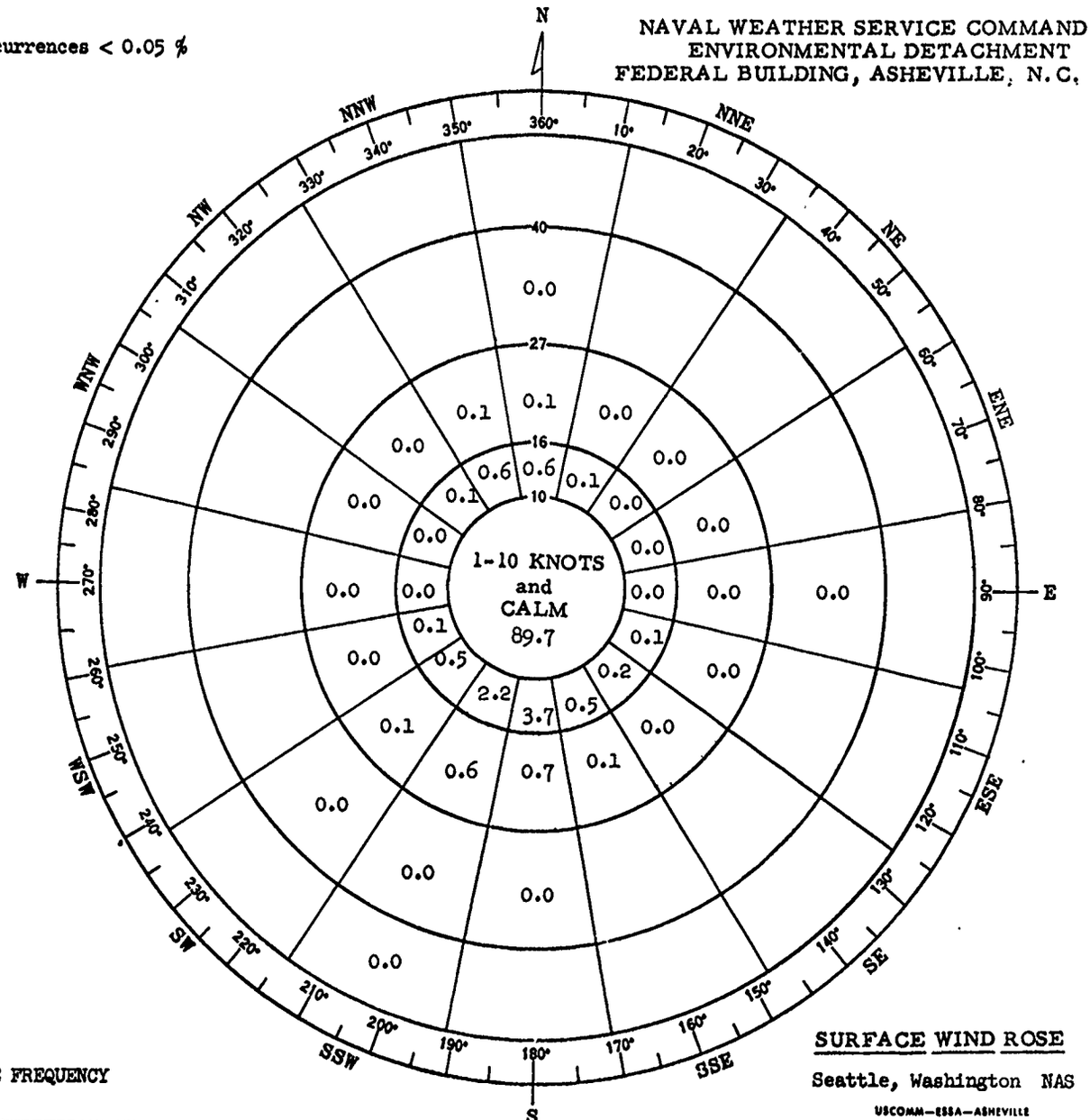
o.o Indicates Occurrences < 0.05 %

NAVAL WEATHER SERVICE COMMAND
ENVIRONMENTAL DETACHMENT
FEDERAL BUILDING, ASHEVILLE, N.C.



ANNUAL PERCENTAGE FREQUENCY

SURFACE WIND ROSE

Seattle, Washington NAS

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