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USAFETAC/DS-80/003

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY C
SURFACE WEATHER OBSERVATIONS

WHEELER AFB MI WBAN# 22508
N 21 29 W 158 02 FLD ELEV 840 FT PHHI WMO # 91170

PARTS A-F
FOR FROM HOURLY OBS: AUG 67 - DEC 70, JAN 73 - JUL 79
FOR FROM DAILY OBS : APR 64 - JUL 79

TIME CONVERSION FROM GMT TO LST: -10

JAN 1 1 1980

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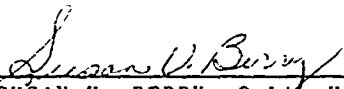
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SUSAN V. BERRY, 2 Lt, USAF
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FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

27 FEB 1977

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER USAFETAC/DS- 80/003	2 GOVT ACCESSION NO	3 RECIPIENT'S CATALOG NUMBER
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Wheeler AFB, Wahiawa, Hawaii		5 TYPE OF REPORT & PERIOD COVERED Final rept.
		6 PERFORMING ORG. REPORT NUMBER
7 AUTHOR(s)		8 CONTRACT OR GRANT NUMBER(s)
9 PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10 PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS
11 CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		12 REPORT DATE 11 Jan 80
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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18 SUPPLEMENTARY NOTES This supersedes AD-A074 677		
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 Wheeler AFB, Wahiawa, Hawaii 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)		

FORM 1473
1 JAN 73

UNCLASSIFIED

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

* Hawaii

* Wheeler AFB, HI

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.

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

WHEELER AFB HI IS A LIMITED
OBSERVATION STATION FOR THE FOLLOWING
PERIOD OF RECORD:

SEP 65 - JUL 79 17 OBS/DAY

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION
SNOWFALL
SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY
SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

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

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

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

MISSING HOUR GROUPS

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

JANUARY 00-02

APRIL

JULY

OCTOBER 00-02

FEBRUARY 00-02

MAY

AUGUST 00-02

NOVEMBER

MARCH

JUNE 00-02

SEPTEMBER

DECEMBER

STATION NO OR SUMMARY 22508	STATION NAME WHEELER AFB HAWAII/WAHIWA	LATITUDE N 21 29	LONGITUDE W 158 02	FIELD ELEV (FT) 840	CALL SIGN P-H-I	WMO NUMBER 911780
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		DBS PER DA*
			FROM	TO			FIELD (FT)	HT BARD	
1	Wheeler AFB Wahiawa Hawaii	AFB	Aug 63	Aug 65	N 21 29	W 158 02	836 ft	826 ft	15
2	Same	Same	Sep 65	Mar 68	Same	Same	848 ft	Same	17
3	Same	Same	Apr 68	Jul 79	Same	Same	840 ft	Same	17

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Aug 63	Located 300 ft SW of bldg #207 (weather station)	GMQ-1A	ML 204B	16 ft	
2	Aug 65	Located 500 ft SW of bldg #207 (weather station)	GMQ-11	RO-2	15 ft	
3	Mar 66	Located 300 ft SW of weather stn	Same	Same	Same	
4	Jan 71	Same	GMQ-20	RO-362	13 ft	
5	Jul 79	Same	Same	Same	Same	

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22008 STATION WHEELER AFB HI STATION NAME 68-70,73-79 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	00-02												93
	03-05		15.4				15.4						26
	06-08	.5	13.1				13.1	2.5	.1			2.6	255
	09-11	.4	13.0				13.0	1.4				1.4	906
	12-14	.2	13.7				13.7	1.1	.2			1.3	906
	15-17	.1	11.6				11.6	.9	.3			1.2	902
	18-20		11.2				11.2	1.2	.1			1.4	213
	21-23	.9	10.8				10.9	1.8				1.6	455
TOTALS		.3	11.2				11.2	1.1	.1			1.2	4956

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22308 WHEELER AFB HI 66-70,73-79 FEB
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST.	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
FEB	00-02												85
	03-05												6
	06-08	.3	14.6				14.6	1.5	.3			1.8	790
	09-11	.4	13.6				13.6	1.7	.2			1.9	845
	12-14	.6	12.9				12.9	1.7				1.7	846
	15-17	.4	10.8				10.8	1.4			.1	1.5	845
	18-20	.1	10.8				10.8	.5	.1			.5	775
	21-23		11.1				11.1						891
TOTALS		.2	9.2				9.2	.9	.1		.0	.9	4635

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508 WHEELER AFB HI 68-70,73-79 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		1.1				1.1						95
	03-05		25.0				25.0						4
	06-08	.1	20.9				20.9	.5	.1			.6	879
	09-11		18.5				18.5	.1				.1	930
	12-14	.1	12.9				12.9	.4				.4	929
	15-17	.3	12.6				12.6	.2				.2	929
	18-20	.2	16.7				16.7	.2				.2	880
	21-23		15.7				15.7	.6				.6	477
TOTALS		.1	15.4				15.4	.3	.0			.3	5123

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508 WHEELER AFB HI 68-70,73-79 APR
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02												96
	03-05		11.1				11.1						9
	06-08	.4	17.2				17.2	.5				.5	836
	09-11	.3	16.0				16.0	.6				.6	894
	12-14	1.2	13.9				13.9	.1				.1	893
	15-17	.6	12.2				12.2	.1				.1	894
	18-20	.4	16.7				16.7	.1				.1	830
	21-23	.2	20.0				20.0						456
TOTALS		.4	13.4				13.4	.2				.2	4908

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508
 STATION

WHEELER AFB HI
 STATION NAME

68-70,73-79
 YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02		2.1				2.1						97
	03-05												
	06-08		12.6				12.6	.8	.2			1.1	856
	09-11		11.2				11.2	.3	.3			.6	926
	12-14	.5	10.8				10.8	.1	.3			.4	928
	15-17	.3	11.0				11.0	.4	.8			1.2	930
	18-20	.5	12.0				12.0	1.2	.9			1.9	845
	21-23	.4	11.7				11.7	.6	.9			1.5	469
TOTALS		.2	10.2				10.2	.5	.5			1.0	5051

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508 HEELER AFB HI 68-70,73-79 JUN
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02												90
	03-05		14.3				14.3						7
	06-08		16.4				16.4	.6	.2			.8	836
	09-11		11.8				11.8		.3			.3	896
	12-14	.3	10.3				10.3	.2	.7			.9	897
	15-17	.2	6.9				6.9		.7			.7	896
	18-20		9.4				9.4	.2	.7			1.0	823
	21-23		15.5				15.5	.2	.9			1.1	446
TOTALS		.1	10.6				10.6	.2	.4			.6	4891

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

WEATHER CONDITIONS

22538 STATION WHEELER AFB HI STATION NAME 66-70,73-79 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUL	00-02		4.0				4.0						100
	03-05		14.3				14.3						7
	06-08		12.9				12.9	.5				.5	854
	09-11		10.2				10.2	.3				.3	927
	12-14		6.9				6.9						926
	15-17		7.8				7.8	.1	.2			.3	922
	18-20		10.4				10.4						827
	21-23		17.0				17.0	.2				.2	453
TOTALS			10.4				10.4	.1	.0			.2	5016

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22509
STATIONHEELER AFB MI
STATION NAME

57-70, 73-78

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												124
	03-05		20.0				20.0						10
	06-08	.1	12.3				12.3	.8				.8	879
	09-11	.1	11.3				11.3	.5				.5	930
	12-14		6.8				6.8						930
	15-17		4.2				4.2						929
	18-20		6.0				6.0						850
	21-23		12.7				12.7						489
TOTALS		.0	9.2				9.2	.2				.2	5141

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508 WHEELER AFB HI 67-70,73-78 SEP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02												126
	03-05												2
	06-08		8.1				8.1	.1	.4			.5	842
	09-11		7.8				7.8		.3			.3	899
	12-14	1.0	6.8				6.8						898
	15-17	.9	8.3				8.3						899
	18-20	.4	7.6				7.6	.1				.1	824
	21-23	.4	8.8				8.8						466
TOTALS		.3	5.9				5.9	.0	.1			.1	4956

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AEP WEATHER SERVICE/MAC

WEATHER CONDITIONS

22502
STATIONWHEELER AFB HI
STATION NAME67-70, 73-78
YEARSOCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02												124
	03-05												3
	06-08	.2	8.4				8.4	.8	.2			1.0	866
	09-11	.1	7.2				7.2	.3	.5			.9	930
	12-14	.8	9.7				9.7	.1	.8			.9	930
	15-17	1.0	10.2				10.2	.2	1.1			1.2	930
	18-20	.4	10.3				10.3	.4	1.1			1.4	831
	21-23		8.9				8.9		.4			.4	459
TOTALS		.3	6.8				6.8	.2	.5			.7	5073

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22506
 STATION

WHEELER AFB HI
 STATION NAME

67-70, 73-78
 YEARS

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02	.8	1.6				1.6						124
	03-05		33.3				33.3						6
	06-08	.4	13.3				13.3	1.4				1.4	830
	09-11		12.9				12.9	1.2				1.2	885
	12-14	.5	13.7				13.7	1.5				1.5	866
	15-17	1.0	13.6				13.6	.9				.9	880
	18-20	.6	16.0				16.0	.8	.1			.9	781
	21-23	.7	15.5				15.5	1.3				1.3	445
TOTALS		.5	15.0				15.0	.9	.0			.9	4837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

22538 STATION WHEELER AFB HI STATION NAME 67-70,73-78 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02		2.2				2.2						137
	03-05		30.0				30.0						20
	06-08	.1	15.0				15.0	2.2				2.2	828
	09-11	.2	15.4				15.4	1.5	.6			1.8	368
	12-14		13.0				13.0	.9	.3			1.3	870
	15-17	.2	15.2				15.2	1.3				1.3	856
	18-20		12.2				12.2	1.4	.1			1.5	740
	21-23		15.2				15.2	1.0	.3			1.3	388
TOTALS		.1	14.8				14.8	1.0	.2			1.2	4727

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508 WHEELER AFB MI 67-70,73-79 ALL
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN.	ALL	.3	11.2				11.2	1.1	.1			1.2	4956
FEB		.2	9.2				9.2	.9	.1		.3	.9	4635
MAR		.1	15.4				15.4	.3	.0			.3	5123
APP		.4	13.4				13.4	.2				.2	4908
MAY		.7	10.2				10.2	.5	.5			1.3	5051
JUN		.1	10.6				10.6	.2	.4			.6	4891
JUL			10.4				10.4	.1	.0			.2	5016
AUG		.0	9.2				9.2	.2				.2	5141
SEP		.3	5.9				5.9	.0	.1			.1	4956
OCT		.3	6.8				6.8	.2	.5			.7	5073
NOV		.5	15.0				15.0	.9	.0			.9	4837
DEC		.1	14.8				14.8	1.0	.2			1.2	4727
TOTALS		.2	11.0				11.0	.5	.2		.0	.6	59314

PART A

ATMOSPHERIC PHENOMENA

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

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

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

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

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAW data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
WEATHER CONDITIONS
 XXXXXXXXXXXXXXXXXXXX
 ATMOSPHERIC PHENOMENA

22508 WHEELER AFB HI 64-79 ALL
 STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS LST.	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	4.0	54.2				54.2	9.3	1.5			10.1	454
FEB		2.4	51.3				51.3	6.9	.9			7.6	423
MAR		1.9	54.6			.2	54.6	8.0	1.3			8.8	465
APR		4.8	59.1				59.1	4.6	.8			5.0	479
MAY		3.5	54.5				54.5	4.5	1.5			5.5	492
JUN		1.0	57.2				57.2	2.5	.4			2.7	479
JUL		1.4	53.9				53.9	2.8	.2			3.0	495
AUG		.2	53.5				53.5	1.9				1.9	465
SEP		4.0	48.2				48.2	.9	1.1			2.0	450
OCT		4.5	55.3				55.3	4.1	1.9			5.4	465
NOV		5.2	59.0				59.0	6.5				6.5	446
DEC		3.1	52.6				52.6	10.1	1.8			10.3	447
TOTALS		3.0	54.4			.0	54.4	5.2	1.0			5.7	5560

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

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

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

Continued on Reverse Side

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

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST
Jan 46-May 47 at 1230GMT
Jun 57-present at 1200GMT

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

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

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 AIR PRODUCTION & ANCH
 STATION
 AIR WEATHER SERVICE

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

STATION NAME: WHEELER FFB HI YEARS: 44-7-

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)										
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST								
	SNOWFALL	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48
JAN	22.8	23.0	3.9	15.1	9.1	7.3	6.2	5.0	2.2	2.2	.4			57.2	451	5.02	18.25	.24								
FEB	22.7	22.9	7.7	14.2	8.4	6.5	4.5	4.3	2.3	1.9				50.4	423	5.09	17.65	.52								
MAR	27.4	19.4	9.5	14.8	5.2	9.5	6.2	3.2	1.9	.9				52.3	465	4.16	14.74	.52								
APR	19.2	23.0	8.1	20.3	8.6	12.3	5.0	3.5	2.5	.2	.2			63.8	479	4.10	13.46	1.05								
MAY	25.2	20.5	9.1	21.5	7.7	7.7	4.5	2.2	1.2	.2				54.3	492	2.78	9.17	.74								
JUN	26.1	21.4	9.8	20.9	10.4	7.9	1.3	.8	.8					52.0	479	1.53	3.59	.50								
JUL	23.5	22.9	9.9	20.2	10.1	8.7	2.4	1.2	1.0					53.6	494	1.94	4.01	.77								
AUG	26.2	23.2	9.5	15.7	11.4	9.0	1.7	1.1	.2					48.6	465	1.46	4.32	.38								
SEP	30.4	16.4	13.1	16.4	6.9	6.4	3.6	.9	1.3	.4				51.1	450	2.30	2.60	.46								
OCT	24.9	25.6	8.2	15.7	8.4	8.2	3.9	3.0	1.1	1.1				49.5	465	3.63	8.54	.49								
NOV	19.1	17.5	9.9	17.3	8.3	11.0	6.3	3.8	4.9	1.1	.9			63.5	445	3.43	18.40	1.34								
DEC	26.2	15.2	7.2	14.6	7.4	11.0	9.0	4.5	3.6	.9	.4			58.5	446	3.17	15.93	.70								
ANNUAL	25.1	20.6	9.3	17.2	8.5	9.0	4.5	2.9	2.0	.7	.2			54.3	5555	56.61										

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AL... TOL... RANCH
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EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION WHEELERS HI STATION NAME 64-70 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
64				.45	.73	.11	1.34	.22	.29	.22	5.21	5.33	
65	1.05	1.41	.97	1.71	2.93	.14	.05	.23	.45	4.34	6.10	6.10	6.10
66	.32	2.22	.17	.27*	.46	.09	2.32	.92	1.31	2.01	5.24*	.78	5.24
67	* .48	.77	3.09	1.36	1.76	2.31	.91	2.18	.40	.59	1.05	2.08	3.09
68	3.54	1.23	1.39	1.55	.53	.12	.65	.11	.73	3.00	2.05	3.27	3.54
69	6.51	3.76	.84	.53	1.00	.13*	.40	.46	.32	.62	1.98*	.42	6.51
70	2.97	.45	.20	.20	.73	.16	1.56	.25	.36	2.02	2.38*	.76	2.97
71	* 3.97	1.41	1.44	1.42	.45	1.17	.52	.71	1.97	2.54	1.24*	1.63	* 3.97
72	* 5.50	1.93	1.06	2.91	.62	.27	.55	.24	1.78	2.15	1.39*	1.62	* 5.50
73	* .47	.55	.46	.33	.81	.22*	.57	.38	.26	.60*	1.87*	1.32	* 1.87
74	* 2.54	1.33	4.66	7.42	1.38*	.83	1.84	.10	3.39	.69	1.95*	.74	7.42
75	* 3.40	4.17	1.56	.25	.18	.12	.19	.34	.15	.46	6.54*	.62	6.54
76	* .78	3.24	1.42	.61	.34	.19	.36	.49	.14	.11	.39*	.18	3.24
77	* .38	.54	.94	1.25	2.15	1.14	.18	.12	.13	.43*	.26*	1.53	2.15
78	* .57	.60	.33	1.69	1.79	1.08	.15	.69	.20	4.30*	2.53*	1.00	4.30
79	* 1.25	4.31	.64*	.46	.33	.46	.32						
MEAN	2.878	1.901	1.278	1.465	.991	.514	.824	.498	.795	1.606	2.960	4.195	4.820
S D	2.425	1.421	1.185	1.816	.836	.637	.682	.523	.932	1.437	2.169	1.848	
TOTAL OBS	451	423	465	479	492	479	494	465	450	465	446	446	5555

NOTE * (BASED ON LESS THAN FULL MONTHS)

EXTREME VALUES

MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION WHEELER FA 41 STATION NAME 64-75 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
64				1.95	1.00	.50	2.41	.74	1.04	1.42	17.75	15.93	
65	4.50	2.65	1.27	4.44	9.17	.68	2.19	1.44	1.10	6.54	18.40	12.88	65.26
66	1.17	5.95	.52	1.05*	.87	.57	4.01	2.22	2.35	3.80	14.69*	4.82	*43.06
67	*1.99	2.24	9.82	5.47	4.14	3.69	3.31	4.32	1.21	2.34	4.30	11.08	*53.81
68	11.12	5.14	5.22	6.35	1.03	.75	1.33	.38	2.11	7.24	6.61	12.80	60.13
69	15.70	5.14	1.84	1.43	2.31	.72*	2.08	1.48	1.31	1.99	5.89*	2.86	*42.54
70	7.52	1.23	.58	1.50	1.39	.91	3.41	1.07	1.11	3.62	7.88*	3.41	*33.83
71	*18.25	2.64	5.66	5.99	1.65	2.68	1.13	2.26	4.60	5.04	2.41*	5.70	*58.01
72	*6.96	5.50	3.11	5.85	.95	1.40	.96	.78	2.73	5.43	4.37*	3.1	*41.89
73	*.84	1.56	3.37	1.50	3.26	1.25*	2.35	1.69	1.23	2.88*	7.00*	5.70	*32.69
74	*10.71	3.55	14.04	13.46	3.35*	1.63	3.37	.66	12.80	2.95	6.95*	2.28	*73.76
75	*8.90	5.51	3.86	1.91	.74	.51	.92	.94	.46	1.18	17.44*	1.43	*45.80
76	*2.85	14.49	5.91	3.35	1.35	1.14	1.55	1.15	.55	.49	1.51*	.70	*34.31
77	*1.00	1.30	4.30	3.81	5.48	2.58	.98	.72	.83	.75*	1.34*	3.68	*20.77
78	*1.20	.82	1.76	3.51	4.83	3.44	.81	2.06	1.00	8.54*	4.62*	4.70	*37.29
79	*5.65	17.65	1.19*	1.76	1.33	2.30	.77						
MEAN	5.022	5.092	4.153	4.104	2.782	1.535	1.943	1.461	2.296	3.627	8.433	13.173	62.695
S D	5.688	4.872	3.706	4.184	2.335	1.087	1.155	.988	3.090	2.459	5.652	2.017	
TOTAL OBS.	451	423	465	479	492	479	494	465	450	465	446	445	5555

NOTE * (BASED ON LESS THAN FULL MONTHS)

2

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NO. 111-111
STATION NAME

STATION NO. 111-111

5-70

STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														454	.0	.0	.0
FEB	100.0														423	.0	.0	.0
MAR	100.0														455	.0	.0	.0
APR	100.0														449	.0	.0	.0
MAY	100.0														452	.0	.0	.0
JUN	100.0														479	.0	.0	.0
JUL	100.0														495	.0	.0	.0
AUG	100.0														465	.0	.0	.0
SEP	100.0														450	.0	.0	.0
OCT	100.0														465	.0	.0	.0
NOV	100.0														446	.0	.0	.0
DEC	100.0														447	.0	.0	.0
ANNUAL	100.0														5523	.0	X	X

EXTREME VALUES

MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

STATION WHEELER AFB 47 STATION NAME 64-76 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
64						.1	.3	.0	.1	.1	.1	.1	.0
65		.3	.3	.3	.3	.1	.3	.0	.3	.3	.3	.3	.0
66		.1	.3	.3	.3*	.1	.0	.1	.1	.1	.3	.1	*
67	*	.3	.3	.3	.1	.3	.3	.3	.3	.3	.3	.3	*
68		.1	.0	.3	.3	.3	.3	.3	.3	.3	.3	.3	.0
69		.1	.3	.3	.3	.3	.1	.3	.3	.3	.3	.3	*
70		.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	*
71	*	.3	.3	.3	.3	.1	.3	.3	.3	.3	.3	.3	*
72	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	*
73	*	.3	.3	.3	.3	.3	.3*	.3	.3	.3	.3	.3	*
74	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	*
75	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	*
76	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	*
77	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	*
78	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	*
79	*	.3	.3	.3*	.3	.3	.3	.3	.3	.3	.3	.3	*
MEAN	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
S D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	454	423	465	449	492	479	495	465	450	465	446	447	5538

NOTE * (BASED ON LESS THAN FULL MONTHS)

2 DATA FROM 1900 TO 1964
 STATION NO. 1000 AF 8 MI
 STATE SEVIER CO, UT

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

STATION 1000 AF 8 MI STATION NAME SN-77 YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	100.0														476				
FEB	100.0														423				
MAR	100.0														465				
APR	100.0														440				
MAY	100.0														492				
JUN	100.0														479				
JUL	100.0														495				
AUG	100.0														465				
SEP	100.0														450				
OCT	100.0														465				
NOV	100.0														446				
DEC	100.0														447				
ANNUAL	100.0														5530				

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EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

STATION _____ STATION NAME _____ 54-79 _____ YEARS

DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
64					0	0	0	0	0	0	0	0	0
65		0	0	0	0	0	0	0	0	0	0	0	0
66		0	0	0	0*	0	0	0	0	0	0	0	*
67	*	0	0	0	0	0	0	0	0	0	0	0	*
68		0	0	0	0	0	0	0	0	0	0	0	0
69		0	0	0	0	0	0	0	0	0	0	0	*
70		0	0	0	0	0	0	0	0	0	0	0	*
71	*	0	0	0	0	0	0	0	0	0	0	0	*
72	*	0	0	0	0	0	0	0	0	0	0	0	*
73	*	0	0	0	0	0	0*	0	0	0	0*	0	*
74	*	0	0	0	0	0*	0	0	0	0	0*	0	*
75	*	0	0	0	0	0	0	0	0	0	0*	0	*
76	*	0	0	0	0	0	0	0	0	0	0*	0	*
77	*	0	0	0	0	0	0	0	0	0*	0*	0	*
78	*	0	0	0	0	0	0	0	0	0*	0*	0	*
79	*	0	0*	0	0	0	0	0	0	0*	0*	0	*
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	454	422	465	449	492	479	495	465	450	465	446	447	5530

NOTE * (BASED ON LESS THAN FULL MONTHS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

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

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

STATION
STATION NAME

67-79
YEARS

EXTREME VALUES

SURFACE WIND

FROM DAILY OBSERVATIONS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
57							27	28	29	27	38	30	43
58	20	25	29	25	25	24	25	24	25	19	32	28	37
59	27	40	31	39	27	30	28	30	26	36	28	41	53
60	21	37	37	37	26	25	24	27	26	21	24	30	58
61	17	44	30	29	26	27	39	27	24	23	24	25	44
62	37	24	27	30	24	25	22	26	20	18	19	25	30
63	26	24	33	25	22	22	22	19	21	21	26	30	34
64	37	27	26	25	23	23	27	30	28	24	30	24	30
65	32	27	41	26	34	26	27	27	26	25	31	28	41
66	15	27	32	37	30	27	27	29	25	28	33	32	37
67	22	36	32	28	27	26	29	27	28	26	28	36	36
68	19	35	34	25	27	24	25	26	25				
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
MEAN	35.2	33.3	29.4	30.3	25.5	25.8	27.2	26.0	25.2	23.4	28.9	30.5	45.4
S.D	14.285	8.135	2.778	4.479	1.975	2.137	4.387	2.132	3.129	3.529	5.629	5.66	13.710
TOTAL OBS	338	337	369	357	372	356	396	368	358	363	349	345	4308

NOTES # (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (01)

5 (BASED ON LESS THAN FULL MONTHS, AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

PEELER AFB HI
STATION NAME

73,75
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		11.5										11.5	4.3
NNE			3.8									3.8	7.0
NE		3.8										3.8	4.0
ENE			3.8									3.8	7.0
E		3.8	3.8									7.7	5.5
ESE													
SE													
SSE													
S			3.8									3.8	8.0
SSW													
SW	3.8											3.8	2.0
WSW													
W													
WNW	3.8		3.8									7.7	5.5
NW	3.8	7.7										11.5	4.0
NNW	3.8	3.8										7.7	3.5
VARBL													
CALM												34.6	
	15.4	30.8	19.2									100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 26

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 STATION NAME WHEELER AFB HI YEARS 66-70, 73-79 MONTH JAN
 CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.8	2.6	1.1	.1								6.5	4.4
NNE	.7	.6	.6	.2								2.1	5.9
NE	.4	.9	.5	.1								1.9	6.3
ENE	.7	.5	.8									2.0	5.3
E	1.1	1.3	1.4	.4								4.1	6.0
ESE	.9	.8	1.1	.2								3.0	5.6
SE	.2	.5	.2									.9	5.4
SSE	.9	.5	.7	.4								2.5	6.0
S	.8	1.8	2.3	.7								5.6	6.8
SSW	.4	.8	.7	.1								2.0	6.6
SW	.2	.2	.1	.2								.8	7.1
WSW	.2	.2	.5	.1								1.1	6.2
W	1.3	.4	.6									2.2	4.3
W ¹ / ₂ W	2.6	.7	.4	.1								3.7	3.4
NW	4.7	3.3	.6									8.5	3.5
NNW	5.7	2.9	.8									9.5	3.6
VARBL													
CALM												43.5	
	23.6	17.9	12.3	2.7								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 855

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-73, 73-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	3.6	1.5	.2								7.3	5.4
NNE	.4	1.2	1.3	.3								3.3	7.0
NE	.6	1.9	1.4	.4								4.3	6.6
ENE	.7	1.9	2.8	.6								5.8	6.9
E	1.9	2.4	3.1	2.2								9.6	7.1
ESE	1.3	2.2	1.9									5.4	5.6
SE	1.7	2.4	1.9	.3								5.4	5.2
SSE	1.4	2.6	2.5	.2	.1							7.0	6.2
S	1.8	2.2	4.3	1.9	.4							10.6	8.2
SSW	.2	1.2	.9	.7								3.0	7.4
SW	.1	.6	1.0	.1								1.8	7.6
WSW	.4	1.0	.8		.1							2.3	6.3
W	.7	.7	.9	.1								2.3	5.6
WNW	1.0	.8	.4									2.2	4.4
NW	.4	1.5	1.2	.2								3.4	6.1
NNW	2.1	3.4	1.7	.2								7.4	5.2
VARBL													
CALM												18.9	
	16.6	29.7	26.7	7.5	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

906

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.6	1.7	.4								5.5	6.3
NNE	.4	1.8	1.3	.8	.1							4.4	7.5
N ^{NE}	.3	2.1	2.0	1.1	.1							5.6	8.1
ENE	.3	2.3	4.3	3.0	.2							10.2	9.1
E	.4	1.8	6.8	2.3	.1							11.5	9.0
ESE	.8	1.1	1.9	.4								4.2	7.1
SE	.3	1.8	.6	.1	.1							2.9	6.1
SSE	.3	2.0	3.5	1.1	.3							7.3	8.7
S	.9	3.5	5.7	2.5	.8							13.5	8.7
SSW	.3	1.3	1.5	1.1								4.3	8.3
SW	.2	1.2	1.2	.2	.1	.1						3.1	8.3
WSW	.6	1.8	1.3	.3								4.0	6.4
W	.6	1.8	2.2	.2								4.7	6.8
WNW	.4	.9	1.1									2.4	6.0
NW	.3	1.2	3.3	.6								5.4	7.7
NNW	1.1	2.4	3.1	.7								7.3	7.0
VARBL													
CALM												3.8	
	8.2	29.6	41.6	14.9	1.9	.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 68-70, 73-79 MONTH: JAN
 CLASS: ALL WEATHER MONTH: 1500-1700
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	3.1	4.0	.3	.1							8.4	6.9
NNE	.4	.9	2.3	.6	.1							4.3	8.3
NE	.3	1.6	3.0	.7								5.5	7.9
ENE	.3	3.3	6.1	2.5	.1							12.4	8.7
E	.7	1.6	4.9	1.8								8.9	8.4
ESE		.9	.7	.4								2.0	7.8
SE	.3	1.4	.3	.1								2.2	5.5
SSE	.6	1.9	2.7	.9	.2							6.2	8.1
S	.8	3.3	5.8	2.9	.3							13.1	8.6
SSW	.9	1.6	1.3	.6	.2							4.5	7.2
SW	.4	1.3	1.4	.7	.2							4.1	7.8
WSW	.2	1.4	1.7	.4								3.8	7.1
W	.6	1.8	1.7	.1								4.1	6.1
WNW	.6	2.0	1.6	.3								4.4	6.5
NW	1.0	1.4	1.8	.6								4.8	6.6
NNW	.4	1.8	5.4	.3	.1							8.1	7.7
VARBL													
CALIA												3.1	
	8.4	29.3	44.6	13.2	1.4							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 902

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JAN
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	2.5	5.9	1.0	.1								9.5	4.7
NNE	1.0	1.4	1.4									3.7	5.3
NE	1.6	1.1	1.5									4.2	5.1
ENE	2.0	3.7	1.6	.1								7.4	5.0
E	1.6	2.2	3.0	.2								7.0	6.1
ESE	.6	1.8	.1									2.6	4.2
SE	.4	1.2	.1									1.7	4.4
SSE	1.2	2.1	2.3	.1								5.8	5.8
S	2.0	3.6	2.5	.4	.4							8.7	6.3
SSW	1.2	.5	.5	.1	.2							2.6	6.2
SW	.2	.7	.2	.4								1.6	7.1
WSW	.6	.1	.1	.1								1.0	4.6
W	.7	.9	.2	.1								2.0	5.1
WNW	1.7	1.5	.4									3.6	4.3
NW	1.8	3.4	1.5									6.8	4.7
NNW	3.2	4.9	2.2	.1								10.5	4.8
VARP													
CALM												21.5	
	22.4	35.1	18.6	1.8	.6							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

813

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 68-70, 73-79 MONTH: JAN
 CLASS: ALL WEATHER HOURS (LST): 2100-2300
 CONDITION: _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	2.4	.7	.2								6.8	4.1
NNE	.9	.9	.4									2.2	4.8
NE	.9	1.1	1.5									3.5	6.1
ENE	.9	1.1	.7	.2								2.9	5.4
E	1.8	2.4	2.0	.2								6.4	5.4
ESE	1.1	1.3										2.4	3.6
SE	.7	1.3	.2									2.2	4.1
SSE	.9	1.3	.2									2.4	4.3
S	.4	1.8	1.1				.2					3.5	7.5
SSW	.4	.2	.4			.2						1.3	9.0
SW	.2		.2	.2								.7	9.3
WSW	.2	.4				.2						.9	8.5
W	.9	1.3	.9									3.1	4.9
WNW	2.9	1.1										4.0	2.8
NW	4.4	4.0	.7									9.0	3.8
NNW	3.7	4.2	.4									8.4	3.9
VARBL													
CALM												40.4	
	23.7	24.8	9.5	.9		.4	.2					100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 455

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	3.5	1.7	.2	.0							7.4	5.4
NNE	.6	1.1	1.3	.3	.0							3.5	6.9
NE	.6	1.5	1.7	.4	.0							4.3	7.0
ENE	.8	2.2	2.9	1.2	.1							7.2	7.6
E	1.2	1.9	3.7	1.3	.0							8.1	7.5
ESE	.8	1.4	1.0	.2								3.4	5.9
SE	.6	1.5	.4	.1	.0							2.6	5.3
SSE	.9	1.8	2.2	.5	.1							5.4	7.0
S	1.2	2.8	3.9	1.5	.3		.0					9.7	7.9
SSW	.6	1.0	.9	.5	.1	.0						3.1	7.4
SW	.3	.7	.8	.3	.1	.0						2.2	7.7
WSW	.4	.9	.8	.2	.0	.0						2.3	6.6
W	.8	1.1	1.1	.1								3.1	5.8
WNW	1.4	1.2	.7	.1								3.4	4.8
NW	1.9	2.3	1.6	.2								6.1	5.2
NNW	2.6	3.2	2.4	.2	.0							8.5	5.4
VARBL													
CALM												20.0	
	16.4	28.0	27.2	7.5	.8	.1	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 4863

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

73
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			16.7									16.7	8.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	16.7											16.7	2.0
NNW	16.7											16.7	3.0
VARBL													
CALM												50.0	
	33.3		16.7									100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 6

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

22509
STATION

WHEELER AFB MI
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.6	2.9	.5									8.0	3.4
NNE	1.5	.9	.6									3.0	4.1
NE	1.1	1.4	.9	.1								3.5	5.1
ENE	1.0	1.5	.5	.4								3.4	5.7
E	1.8	2.0	2.0	.5								6.3	5.8
ESE	.4	.6	.6									1.6	5.5
SE	.3	.5	.1									1.4	3.5
SSE	.5	1.0	.1	.5	.1							2.3	7.0
S	.8	1.0	.4									2.2	4.4
SSW	.1	.1										.3	4.0
SW			.1									.1	10.0
WSW	.3	.5	.3	.1								1.1	6.1
W	1.8	.1	.3	.3	.3							2.7	5.4
WNW	3.3	1.3	.3	.3								5.1	3.9
NW	5.3	3.4	.4									9.1	3.4
NNW	5.1	3.5	1.0	.1								9.7	3.9
VARBL													
CALM												40.1	
	28.7	20.9	8.1	2.3	.4							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

790

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22608 WHEELER AFB HI 68-70, 73-79 78

STATION STATION NAME YEARS MONTH

ALL WEATHER 0900-1100

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	3.4	1.8	.5								8.0	5.3
NNE	.5	3.0	2.0	.2								5.7	6.5
NE	1.2	2.1	2.7	1.1	.1							7.2	7.2
ENE	1.2	2.6	5.8	1.4	.4							11.3	8.0
E	1.4	2.6	6.0	4.1	.1							14.3	8.7
ESE	.9	2.2	1.9	.7								5.8	6.5
SE	1.9	2.6	.9	.6								6.0	5.4
SSE	.5	2.6	.8	.4	.1							6.4	5.2
S	.9	1.8	.8	.1	.1							3.8	5.8
SSW	.4	.6	.8									1.8	6.1
SW	.6	.5	.2									1.3	4.5
WSW	.6	.4	.2	.4								1.5	6.5
W	.4	.5	.4		.2							1.4	7.5
WNW	.7	.9	.7	.1								2.5	5.6
NW	1.2	1.4	.9	.1								3.7	5.4
NNW	1.4	2.0	.7									4.1	4.4
VARBL													
CALM												15.1	
	18.1	29.2	26.8	9.7	1.1							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
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	28-53	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.1	2.8	1.3								5.6	8.6
NNE	.2	.7	2.1	1.3								4.4	9.0
NE	.6	1.4	3.9	2.8								8.7	9.1
ENE	.2	2.4	8.3	5.3	.1							16.3	9.9
E	.8	2.1	7.9	7.0	.7							18.6	10.0
ESE	.4	1.2	2.0	1.1								4.6	8.2
SE	.6	1.1	2.2	.8								4.7	7.8
SSE	.4	2.1	3.8	.9	.5							7.7	8.3
S	.6	2.0	2.1	.4								5.1	6.8
SSW	.2	1.1	1.2									2.5	5.9
SW	.7	.6	.7	.2								2.2	6.1
WSW	.1	.5	.5	.4								1.4	7.6
W	.4	1.1	1.5	.5								3.4	7.4
WNW	.5	.7	.9	.5	.1							2.7	8.0
NW	.6	1.1	1.2	.4								3.2	6.6
NNW	.2	1.8	3.5	.2								5.8	7.3
VARBL													
CALM												3.1	
	6.9	20.8	44.3	23.0	1.4							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AWP WEATHER SERVICE/MAC

SURFACE WINDS

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

2250e
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.6	4.6	.8								9.3	7.2
NNE	1.1	2.1	2.1	1.4								6.7	7.4
NE	.5	1.9	4.4	2.8								9.6	9.0
ENE	.5	2.2	7.8	4.9	.7	.2						15.3	9.9
E	.5	4.6	7.1	4.5	.1							16.8	8.8
ESE	.1	.6	1.7	.6								3.0	8.3
SE	.4	1.1	.7	1.2								3.3	8.6
SSE	.1	1.7	1.4	1.1	.1							4.4	8.8
S	.5	2.1	2.6	.5	.1							5.8	7.1
SSW	.4	.6	.7									1.7	5.7
SW	.2	.8	.5	.6								2.1	7.6
WSW	.1	.6	.7									1.4	6.3
W	.8	1.2	1.5	.4								3.9	6.5
WNW	.5	.8	.9	.2								2.5	6.4
NW	.2	1.4	1.7	.2								3.6	6.8
NNW	.7	3.2	3.0	.6								7.5	6.6
VARBL													
CALM												2.1	
	7.8	27.6	41.4	19.8	1.1	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 WHEELER AFB HI STATION NAME: WHEELER AFB HI YEARS: 68-70, 73-79 MONTH: FEB
 CLASS: ALL WEATHER MONTH: 1800-2000
 CONDITION: _____ 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	4.5	4.3	2.1	.4								11.2	4.7
NNE	1.8	3.2	1.7	.4								7.1	5.6
NE	1.8	2.6	2.6	.9								7.9	6.3
ENE	1.7	3.9	3.6	1.5		.1						10.8	7.2
E	2.6	4.0	3.6	1.0	.1							11.3	6.3
ESE	1.7	.9	.3									2.6	3.4
SE	.9	1.2	.4	.1								2.6	4.8
SSE	1.3	1.0	1.2	.3								3.7	5.6
S	1.0	1.8	.3		.1							3.2	4.8
SSW	.9	.1	.1									1.2	3.0
SW	.3	.9	.3	.4								1.8	6.7
WSW	.3	.8	.1									1.2	4.8
W	1.3	.1	.6	.1								2.2	4.6
WNW	.3	.6										.9	4.0
NW	2.3	1.5	.8	.1								4.8	4.3
NNW	3.1	5.3	1.9									10.3	4.7
VARBL													
CALM												17.0	
	25.6	32.2	19.5	5.3	.3	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 776

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 68-70, 73-79 MONTH: FEB

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

CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.5	3.6	1.1									9.3	4.0
NNE	2.5	1.4	.9									4.8	3.9
NE	.9	1.1	2.0									4.1	6.4
ENE	.5	1.4	1.1	.5	.2							3.6	7.1
E	1.8	1.8	1.6	.9								6.1	6.1
ESE	.5	.9	.2									1.6	4.7
SE	.9	.5	.2									1.6	3.6
SSE	.9	.5		.5								1.8	6.0
S	1.4	.9	.2									2.5	3.5
SSW		.5										.5	5.0
SW	.7		.5	.2								1.4	6.0
WSW	.7	.7	.2									1.6	3.7
W	.9	.5	.2	.2								1.8	4.9
WNW	3.4	.9	.2									4.5	3.2
NW	5.4	2.7	.2									8.4	3.2
NNW	4.3	5.9	.9									11.1	4.0
VARBL													
CALM												35.4	
	29.3	23.1	9.8	2.3	.2							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 441

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	2.9	2.3	.5								8.5	5.5
NNE	1.1	1.9	1.7	.6								5.3	6.4
NE	1.7	1.8	2.8	1.4	.0							7.1	7.7
ENE	.9	2.4	4.7	2.5	.2	.1						11.0	8.7
E	1.4	2.9	5.0	3.3	.2							12.9	8.4
ESE	.7	1.1	1.2	.4								3.4	6.6
SE	.9	1.2	.8	.5								3.5	6.3
SSE	.9	1.6	1.3	.6	.2							4.6	7.0
S	.8	1.7	1.2	.2	.1							.9	6.0
SSW	.4	.5	.5									1.4	5.4
SW	.4	.5	.4	.2								1.5	6.4
WSW	.3	.5	.4	.2								1.4	6.0
W	.9	.6	.8	.2	.1							2.6	6.3
WNW	1.3	.9	.5	.2	.0							2.9	5.2
NW	2.2	1.8	.9	.2								5.2	4.6
NNW	2.3	3.4	1.9	.2								7.8	5.1
VARBL													
CALM												17.1	
	18.2	25.8	26.7	11.3	.8	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

4550

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: HEELER AFB HI YEARS: 73 YEAR: YAR
STATION STATION NAME YEARS YEAR

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

CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E				100.0								100.0	11.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
				100.0								100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 1

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 68,73,76 MONTH: MAR
 CLASS: ALL WEATHER HOURS (L.S.T.): 0300-0500
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 5	%	MEAN WIND SPEED
N													
NNE		33.3										33.3	5.0
NE													
ENE			33.3									33.3	9.0
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW		33.3										33.3	4.0
NW													
NNW													
VARBL													
CALM													
		66.7	33.3									100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 3

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
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	3.8	3.0	1.0									7.7	3.9
NNE	1.9	1.1	.7									3.8	4.1
NE	.8	1.7	.8	.5								3.8	6.0
ENE	1.3	1.8	2.2	.6								5.8	6.6
E	1.1	2.7	2.6	1.1	.1							7.7	7.3
ESE	.9	1.0	1.0	.1								3.5	5.4
SE	.3	.3	.1									.8	3.7
SSE	.5	1.1	.3	.1								2.0	5.6
S	1.0	.7	.8	.2								2.7	5.7
SSW	.5	.5	.1	.2								1.3	5.7
SW	.1	.2										.3	3.3
WSW	.3											.3	2.3
W	2.3	.9	.1									3.3	3.1
WNW	4.2	1.1										5.3	2.7
NW	5.9	3.5	.3									9.8	3.2
NNW	3.1	2.2	.3									5.6	3.5
VARBL													
CALM												36.2	
	28.0	22.4	10.5	2.8	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 879

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 WHEELER AFB PI STATION NAME 68-70,73-79 YEARS MAR MONTH
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.5	1.9	.1								6.8	5.3
NNE	1.0	2.5	1.1	.2								4.7	5.4
NE	.9	2.4	3.4	2.0								8.7	8.0
ENE	1.3	4.6	7.8	3.4	.6							17.8	8.5
E	1.4	4.0	8.7	6.1	.9							21.1	9.2
ESE	.6	1.8	2.5	1.5								6.5	8.0
SE	.4	1.7	1.1	.2								3.4	6.1
SSE	1.0	1.5	2.0	.2								4.7	6.3
S	1.0	1.1	1.6	1.0								4.6	7.3
SSW	.5		.4									1.0	5.2
SW	.2	.2	.3									.8	5.3
WSW	.4	.2	.4									1.1	5.1
W	.6	.4	.2									1.3	4.3
WNW	1.0	.3	.2									1.5	3.9
NW	1.2	.8	.4	.4								2.8	5.3
NNW	.8	1.0	1.6	.1								3.4	6.0
VARBL													
CALM												9.8	
	14.5	24.9	33.9	15.4	1.5							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22506 STATION NAME WHEELER AFB HI YEARS 68-70,73-79 MONTH MAR
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	2.5	.1								4.1	7.1
NNE	.4	1.7	2.2	.3								4.6	7.5
NE	.5	1.7	5.4	4.7	.2							12.6	9.8
ENE	.3	2.0	8.8	7.5	1.2	.1						20.0	10.7
E	.6	1.2	10.2	11.5	.6							24.2	10.7
ESE		1.0	2.7	2.2								5.8	9.7
SE	.2	1.0	2.0	.9	.1							4.2	8.3
SSE	.1	.4	1.9	1.4								3.9	9.3
S	.1	.9	1.7	1.5								4.2	9.1
SSW		.1	.8	.3								1.2	9.2
SW			.5	.2								.8	9.6
WSW	.2	.4	.1	.3								1.1	6.9
W	.1	.8	.1									1.0	4.6
WNW	.2	.9	.4	.1								1.6	5.9
NW	.3	.6	1.3	.4								2.7	7.4
NNW	.8	1.5	2.7	.5								5.5	7.2
VARBL													
CALM												2.6	
	4.2	15.5	43.4	32.1	2.2	.1						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 STATION NAME WHEELER AFB HI YEARS 68-70, 73-79 MONTH MAR
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.6	1.5	.3								4.2	6.4
NNE	.3	1.1	2.7	.4	.2							4.7	8.0
NE	.3	2.2	6.1	4.8	.2							13.7	9.7
ENE	.6	3.3	11.3	7.8	.6							23.7	9.8
E	1.0	2.3	10.7	8.7	.6							23.3	10.1
ESE	.1	.6	1.8	1.1		.1						3.8	9.3
SE	.2	1.1	.9	.8								2.9	7.7
SSE	.1	.6	1.5	.4	.1							2.8	8.7
S	.1	.9	2.5	.4								3.9	8.3
SSW	.2		.2	.2								.6	7.7
SW	.4	.2	.4	.1								1.2	6.2
WSW		.6	.4	.2								1.3	7.8
W	.2	.2	.5		.1							1.1	7.8
WNW	.5	.9	.8	.1								2.3	5.9
NW	.3	1.8	1.2	.4								3.8	7.0
NNW	.3	1.7	2.5	.6								5.2	7.5
VARBL													
CALM												1.7	
	5.6	19.2	45.0	26.5	1.9	.1						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 NAME: WHEELER AFB HI YEARS: 68-70, 73-79 MONTH: MAR
 CLASS: ALL WEATHER HOURS (LST): 1800-2000
 CONDITION:

SPEED (KNTS) DIR	1 - 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	3.0	.9	.1								6.6	4.6
NNE	2.0	4.0	1.7	.7								8.4	5.6
NE	2.8	4.3	4.3	.6	.1							12.2	6.1
ENE	2.3	4.8	4.3	2.2	.5							14.0	7.2
E	2.6	5.9	6.1	2.3								16.9	6.8
ESE	1.1	1.7	1.4	.2								4.4	5.8
SE	.5	1.2	.2									1.9	4.4
SSE	.5	.9	.5	.2								2.0	5.9
S	.8	.7	1.1									2.6	5.5
SSW	.2	.1										.3	3.7
SW	.2	.2	.2	.1		.1						.9	8.3
WSW	.5	.2	.2									1.9	4.3
W	.6	.3		.3								1.2	5.8
WNW	1.0	.1	.1									1.2	3.5
NW	1.8	1.0	.8									3.6	4.1
NNW	2.4	4.1	1.5									8.0	4.7
VARBL													
CALM												14.7	
	21.9	32.6	23.4	6.7	.6	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 880

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

MAR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L S T.)

CONDITION

SPEED (K.N.S) DIR.	1 - 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	4.3	.6									8.8	3.8
NNE	2.9	2.5	.2									5.7	3.8
NE	2.3	2.9	1.0	.4								6.7	5.2
ENE	1.9	4.0	1.9	.4								5.2	5.5
E	2.3	2.5	2.9	1.0								8.8	6.5
ESE	1.0	1.3	.8	.2								3.4	5.8
SE	.2	.8	.4									1.5	5.3
SSE	.6	.2	.4									1.3	4.2
S	.8	.4	.4									1.7	5.0
SSW	.8	.4										1.3	2.8
SW		.2	.2									.4	7.0
WSW	.4	.2		.2								.8	5.3
W	3.4	.2										3.6	2.4
WNW	2.7	.8	.4									4.0	3.4
NW	2.7	.8	.6									4.2	3.7
NNW	4.8	3.8										8.6	3.1
VARBL													
CALM												31.2	
	31.2	25.2	10.1	2.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

477

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22506
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

VAD
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥56	%	MEAN WIND SPEED
N	2.1	2.4	1.5	.1								6.1	5.0
NNE	1.3	2.1	1.5	.3	.0							5.3	5.9
NE	1.2	2.5	3.8	2.4	.1							9.9	8.2
ENE	1.2	3.4	6.5	4.0	.5	.0						15.6	8.9
E	1.4	3.1	7.3	5.6	.4							17.8	9.1
ESE	.6	1.3	1.5	1.0		.0						4.7	7.7
SE	.3	1.1	.8	.3	.0							2.6	6.7
SSE	.4	.9	1.2	.4	.0							2.9	7.2
S	.6	.8	1.5	.6								3.4	7.3
SSW	.3	.2	.3	.1								.9	6.2
SW	.2	.2	.3	.1		.0						.8	6.9
WSW	.3	.3	.2	.1								.9	5.9
W	1.0	.5	.2	.1	.0							1.8	4.1
WNW	1.5	.7	.3	.0								2.5	3.9
NW	1.9	1.5	.8	.2								4.5	4.7
NNW	1.8	2.2	1.6	.2								5.8	5.3
VARBL													
CALM												14.5	
	16.2	23.1	29.5	15.6	1.2	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 5028

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22503 STATION NAME: WHEELER AFB HI YEARS: 78 APP: 0000-0200
STATION NAME YEARS MONTH
 CLASS: ALL WEATHER
CLASS
 CONDITION: _____
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	16.7	16.7										33.3	3.0
NNE	16.7											16.7	3.0
NE		16.7										16.7	5.0
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW	16.7	16.7										33.3	3.5
VARBL													
CALM													
	50.0	50.0										100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 6

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/PAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

75,76
YEARS

APP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	11.1	11.1										22.2	4.5
E		11.1										11.1	5.0
ESE		11.1										11.1	4.0
SE													
SSE													
S													
SSW													
SW													
WSW													
W	11.1											11.1	1.0
WNW													
NW		11.1										11.1	4.0
NNW	11.1											11.1	3.0
VARBL													
CALM												22.2	
	33.3	44.4										100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 9

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.9	.6									5.6	3.4
NNE	1.1	1.8	.7	.1								3.7	5.1
NE	2.8	1.2	1.3	.1								5.4	4.8
ENE	1.6	2.6	1.3	.6								6.1	5.5
E	1.8	3.0	2.3	.2	.4							7.7	6.0
ESE	1.3	1.2	.5									3.0	4.2
SE	1.2	.5										1.7	2.8
SEF	.7	1.0	.1									1.8	3.8
S	.4	.2	.2									.8	5.0
SSW	.5	.1		.1								.7	4.0
SW	.4											.4	2.0
WSW	.8											.8	1.9
W	1.8											1.8	2.2
WNW	3.6	1.6										5.1	3.0
NW	3.8	2.3	.5	.1								6.7	3.6
NNW	6.3	1.7	.5	.1								8.6	3.1
VARBL													
CALM												40.0	
	31.1	19.0	8.0	1.4	.4							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22506
 STATION

WHEELER AFB HI
 STATION NAME

68-70, 73-79
 YEARS

APR
 MONTH

ALL WEATHER
 CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.5	1.6	.8								5.9	6.5
NNE	1.9	2.3	2.8	.7	.1							7.5	6.6
NE	1.6	3.5	6.9	2.6	.2							14.8	8.2
ENE	1.2	4.4	7.9	3.6								17.1	8.1
E	1.5	5.5	10.1	6.4	.4							23.8	8.7
ESE	.6	2.8	2.3	.8	.1							6.6	7.3
SE	.7	1.8	.9	.4								3.8	6.3
SSE	.4	.7	.7	.3								2.1	6.9
S	.7	2.0	.7	.1								3.5	5.3
SSW	.1	.3	.3									.8	6.0
SW		.1	.3	.1								.6	8.4
WSW	.1	.1	.1									.3	5.3
W	.2											.2	2.5
WNW	.3	.2	.1									.7	4.2
NW	.2	.3	.3									.9	5.6
NNW	.7	1.2	1.6	.2								3.7	6.3
VARBL													
CALM												7.7	
	11.3	27.4	36.7	16.0	.9							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

894

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22505
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

APP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	2.7	.8	.1							4.9	2.8
NNE	.2	1.3	3.5	1.2	.3							6.6	2.8
NE	.3	1.9	6.4	5.9	.4	.2						15.2	10.2
ENE	.2	2.5	11.0	8.4	1.0							23.1	10.5
E	.4	1.8	12.1	9.2	.8	.1						24.4	10.4
ESE	.2	1.2	1.7	2.7	.4							6.3	10.0
SE	.1	.2	1.1	.3	.1							1.9	9.1
SSE	.1	1.1	1.1	.3								2.7	7.7
S	.4	1.0	1.1	.7								3.2	7.4
SSW	.1	.4	.7	.1								1.3	7.3
SW	.1	.4	.1									.7	5.2
WSW	.2	.3	.3									.9	5.9
W	.1	1.0	.2									1.3	5.2
WNW	.1	.1	.3	.1								.7	7.3
NW		.6	1.2	.9								2.7	9.0
NNW		.7	1.3	.3								2.4	8.0
VARBL													
CALM												1.7	
	3.0	15.8	44.9	31.0	3.2	.3						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 893

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.2	2.9	.8								6.4	7.3
NNE	1.0	1.9	2.3	1.9								7.2	8.9
NE	.3	3.5	8.4	5.7	.4							18.3	9.6
ENE	.7	3.7	13.4	8.4	.8							27.6	9.7
E	.6	2.6	9.4	6.8	.1							19.5	9.6
ESE	.4	.7	1.2	1.1	.1							3.6	9.0
SE	.2	.7	.8	.4								2.1	7.7
SSE	.3	.6	.4	.1								1.5	5.8
S	.6	.7	.7	.8								2.7	7.5
SSW	.1	.4	.2									.8	5.9
SW		.4	.2									.7	5.5
WSW		.2	.1									.3	5.7
W	.1	.6	.1									.5	5.0
WNW	.1	.4	.4									1.0	6.3
NW	.2	.7	1.0	.1								2.6	7.1
NNW	.3	1.1	2.0	.4								3.9	7.6
VARBL													
CALM												2.3	
	5.5	20.4	43.7	26.6	1.5							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

894

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 68-70, 73-79 MONTH: APR
 CLASS: ALL WEATHER HOURS (L.S.T.): 1800-2000
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 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	4.8	1.6	.1								8.9	4.9
NNE	2.8	3.5	1.7	.6								8.6	5.2
NE	2.3	4.9	4.7	1.2								13.1	6.4
ENE	2.2	5.8	7.5	2.3								17.7	7.0
E	2.5	5.4	5.4	2.2								15.5	6.9
ESE	1.1	2.2	.7	.1								4.1	5.2
SE	.5	1.0	.4	.1								1.9	5.4
SSE	.4	1.1	.7	.2								2.4	6.0
S	.7	.7	.1									1.6	3.8
SSW	.5											.5	3.0
SW	.2	.1	.1									.5	4.5
WSW		.1										.1	4.0
W	.2	.4										.6	4.4
WNW	.4	.1	.1									.6	4.2
NW	.7	.4	.7									1.8	5.5
NNW	2.3	2.5	1.4	.1								6.4	4.8
VARBL													
CALM												15.7	
	19.2	33.0	25.2	7.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22506
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
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	5.9	2.0	1.3									9.2	3.6
NNE	2.0	1.3	.9									4.2	4.4
NE	1.8	4.4	2.6	.7								9.4	5.7
ENE	2.0	3.5	1.5									7.0	4.8
E	2.2	2.4	3.9	1.1								9.6	6.5
ESE	.7	1.5										2.2	4.0
SE	.4	.2	.4									1.1	5.0
SSE	.2	.4										.7	4.0
S	.4	.4										.9	2.8
SSW	.2	.2										.4	3.5
SW													
WSW	.4	.2										.7	3.0
W	1.5	.7										2.2	2.8
WNW	3.1	.7										3.7	2.9
NW	2.4	.9	.2									3.5	3.1
NNW	3.7	1.5	.4	.4								6.1	4.0
VARBL													
CALM												39.0	
	27.0	20.4	11.4	2.2								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

456

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.4	1.8	.5	.3							6.6	5.7
NNE	1.5	2.0	2.1	.8	.1							6.5	6.7
NE	1.5	3.1	3.3	2.9	.2	.0						13.1	8.2
ENE	1.2	3.8	7.7	4.3	.3							17.3	8.7
E	1.4	3.5	7.6	4.7	.3	.0						17.5	8.7
ESE	.7	1.6	1.2	.9	.1							4.5	7.4
SE	.5	.8	.6	.2	.0							2.2	6.3
SSE	.4	.8	.6	.2								2.0	6.2
S	.5	.9	.5	.3								2.2	6.0
SSW	.2	.3	.2	.0								.8	5.6
SW	.1	.2	.1	.0								.5	5.7
WSW	.2	.2	.1									.5	4.2
W	.6	.4	.1									1.1	3.6
WNW	1.1	.5	.2	.0								1.8	3.8
NW	1.1	.9	.7	.2								2.9	5.2
NNW	2.1	1.5	1.3	.3								5.1	5.1
VARBL													
CALM												15.5	
	15.1	22.9	30.1	15.3	1.1	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 4817

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHFR SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

73, 76
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		25.0										25.0	4.0
NNE													
NE			25.0									25.0	10.0
ENE													
E			0.0									50.0	7.5
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARCL													
CALM													
		25.0	75.0									100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 4

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22506
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	1.3										4.0	2.9
NNE	2.1	1.3	.6									4.0	3.8
NE	1.5	2.5	1.2	.4								5.5	5.3
ENE	1.8	1.5	1.1	.5								4.8	5.4
E	1.8	2.8	1.2	.2								6.0	5.2
ESE	.8	.9	.1									1.9	3.9
SE	.6	.5	.1									1.2	3.5
SSE	.1	.2	.7	.1								1.2	7.1
S	.2	.7	.2									1.2	4.8
SSW	.7											.7	2.0
SW	.4											.4	2.7
WSW	.7											.7	1.8
W	1.2	.5										1.6	2.9
WNW	3.2	.6	.1									3.9	2.8
NW	4.3	2.6	.2									7.1	3.2
NNW	3.0	1.1	.6									4.7	3.4
VARBL													
CALM												51.3	
	25.0	16.4	6.1	1.2								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 855

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.6									1.9	5.6
NNE	.8	1.7	2.6	.5								5.6	6.7
NE	1.5	4.5	6.6	2.2	.1							14.9	7.6
ENE	.6	5.2	9.2	3.6	.3							19.9	8.2
E	2.2	6.0	11.8	3.8								23.8	7.7
ESE	.9	2.2	3.3	.9								7.2	7.2
SE	1.2	2.5	2.3	.3								6.3	6.2
SSE	1.2	1.7	1.1	.2								4.2	5.3
S	1.1	1.8	1.0	.4								4.3	5.6
SSW	.1	.3	.2									.6	5.5
SW	.2		.1	.1								.4	6.0
WSW	.2											.2	2.0
W	.1	.1										.2	4.0
WNW		.1	.3									.4	6.8
NW	.4	.2	.2	.1								.0	5.0
NNW	.3	.8	.2									1.3	5.0
VARBL													
CALM												7.7	
	11.2	29.0	39.5	12.1	.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22506
STATION

WHEELER AFB HI
STATION NAME

63-70, 73-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.8	.5	.1								1.5	6.7
NNE	.4	.8	2.5	1.4	.1							5.2	3.9
NE	.2	1.8	7.3	5.6	.6							15.6	10.0
ENE	.4	3.8	12.4	8.9	.8							26.3	10.0
E	.3	3.1	11.0	6.0	.5							21.0	9.4
ESE	.3	1.4	3.6	1.0								6.2	8.2
SE	.1	1.8	2.4	.9	.1							5.3	8.0
SSE	.4	1.0	3.2	.4								5.1	7.5
S	.8	1.3	1.7	.5								4.3	6.6
SSW	.3	1.0	.3									1.6	5.0
SW	.2	.6	.1									1.0	4.3
WSW		.1	.1									.2	5.5
W	.3		.3									.6	5.8
WNW	.1	.1	.5									.8	7.0
NW		.3	.2									.5	6.0
NNW	.6	.9	1.1	.1								2.7	5.8
VARBL													
CALM												2.0	
	4.7	18.7	47.3	25.0	2.2							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22538
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.4	1.4									2.9	6.9
NNE	.4	1.2	2.4	1.3	.2							5.5	8.6
NE	.4	2.3	6.1	4.4	.3							13.5	9.6
ENE	.5	6.3	13.8	7.8	.6							29.1	9.2
E	.4	6.1	11.2	5.2	.2							23.1	8.5
ESE	.6	2.0	2.7	.8								6.1	7.2
SE		1.0	1.7	.5								3.2	7.9
SSE	.4	1.7	1.1	.2								3.4	6.2
S	1.0	1.7	1.0	.1								3.8	5.3
SSW	.5	.9		.2								1.6	5.3
SW	.2	.2										.4	3.5
WSW	.2	.2										.4	4.3
W	.1		.1									.2	4.5
WNW	.1	.3	.2									.6	5.5
NW	.3	.5	.4	.1								1.4	6.2
NNW	.2	.9	.4									1.5	5.5
VARBL													
CALM												3.0	
	5.7	26.8	42.5	20.6	1.4							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	29-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	1.5	.7									4.3	4.3
NNE	1.2	3.8	2.0	.5								7.5	6.1
NE	2.1	5.8	4.7	1.3								14.0	6.5
ENE	3.0	9.1	7.7	1.3	.1							21.2	6.5
E	3.3	7.0	5.3	.6								16.2	5.7
ESE	1.0	1.8	1.5	.2								5.3	5.4
SE	1.7	1.2	.8	.1								3.8	4.5
SSE	1.7	1.7	.7	.1								4.1	4.7
S	.9	.9	.2									2.1	3.8
SSW	.5	.4										.8	3.0
SW	.1	.1										.2	4.0
WSW	.1	.1										.2	3.0
W	.2											.2	2.0
WNW	.2		.2									.5	5.5
NW	.5	.7	.1									1.3	4.4
NNW	.9	1.2	.5									2.6	4.5
VARBL													
CALM												15.6	
	20.2	35.3	24.6	4.1	.1							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 68-70, 73-79 MONTH: MAY

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

CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	2.8										5.3	3.5
NNE	3.0	2.1	.6									5.8	4.0
NE	2.6	2.1	1.1	.2								6.0	4.6
ENE	2.4	3.8	1.7	.2								8.1	5.1
E	1.9	2.1	2.1	.6								6.8	6.2
ESE	.4	1.9	.2	.2								2.8	5.5
SE	.2	.4	.2									.9	5.0
SSE	1.1	.9	.4									2.4	4.2
S		.4	.2									.6	5.0
SSW	.2											.2	2.0
SW	.9											.9	2.5
WSW	.6											.6	2.7
W	1.5	.4										1.9	3.1
WNW	.6	.4										1.1	3.0
NW	1.7	1.9	.2									3.8	4.0
NNW	2.6	1.9										4.5	3.2
VARBL													
CALM												48.3	
	22.2	21.4	6.8	1.3								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 468

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22578
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	.6	.0								3.1	4.7
NNE	1.2	1.8	1.9	.7	.1							5.5	6.1
NE	1.3	3.2	4.9	2.6	.2							12.2	8.1
ENE	1.3	5.2	8.3	4.1	.3							19.3	8.4
E	1.6	4.7	7.7	3.0	.1							17.2	7.8
ESE	.8	1.7	2.1	.5								5.2	6.8
SE	.6	1.3	1.4	.3	.0							3.7	6.5
SSE	.8	1.2	1.3	.2								3.5	6.0
S	.7	1.2	.8	.2								2.9	5.5
SSW	.4	.5	.1	.0								1.0	4.4
SW	.3	.2	.0	.0								.5	4.0
WSW	.3	.1	.0									.4	3.0
W	.5	.1	.1									.7	3.6
WNW	.7	.2	.3									1.2	4.1
NW	1.1	.9	.2	.0								2.4	4.0
NNW	1.2	1.0	.5	.0								2.7	4.3
VARBL													
CALM												18.5	
	13.9	24.8	30.2	11.8	.8							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 4956

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

69, 73-74
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	14.3											14.3	2.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	14.3											14.3	3.0
NNW													
VARBL													
CALM												71.4	
	28.6											100.0	.7

TOTAL NUMBER OF OBSERVATIONS 7

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

62-70, 73-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

3600-3800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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	1.0										3.2	2.9
NNE	2.2	1.2										3.3	3.3
NE	1.9	2.2	.7	.1								4.9	4.4
ENE	2.9	2.4	1.6	.4								7.2	4.8
E	2.6	3.6	1.3	.2								7.8	4.6
ESE	1.3	1.4	.8									3.6	4.7
SE	1.0	.7	.6	.1								2.4	4.9
SSE	.6	.5	.2									1.3	3.7
S	1.2	.1										1.3	2.1
SSW	.1											.1	2.0
SW	.1											.1	2.0
WSW	.5	.1										.5	2.4
W	2.3	.4										2.6	2.3
WNW	2.8	.4										3.1	2.7
NW	4.8	.7										5.5	2.5
NNW	2.9	2.0	.1									5.0	3.4
VARBL													
CALM												47.8	
	29.3	16.6	5.4	.8								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22506 WHEELER AFB HI 68-73, 73-79 JUN
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

CONVENTION

0900-1100
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	.3	.7	.3									1.3	5.2
NNE	1.0	2.8	1.7	.2								5.7	5.6
NE	1.1	4.3	7.0	1.7								14.6	7.4
ENE	2.0	7.9	13.2	2.7								25.8	7.6
E	3.1	6.3	12.3	3.5								27.1	7.3
ESE	.7	2.9	4.4	1.1								9.0	7.7
SE	.7	1.3	1.6	.8								4.4	7.2
SSE	.3	.9	.9	.4								2.6	7.3
S	.2	1.0	.2	.2								1.7	6.1
SSW	.4	.2	.1									.8	4.4
SW													
WSW	.1	.1	.2									.4	5.8
W	.2											.2	2.0
WNW	.1											.1	3.0
NW		.1	.1									.2	6.0
NNW	.6	.3										.9	2.8
VARB													
CALM												5.1	
	10.9	31.4	42.0	10.6								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SE VICE/MAC

SURFACE WINDS

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

22506
STATION

WHEELER AFB HI
STATION NAME

63-70, 73-79
YEARS

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.2	.3									.8	5.3
NNE	.3	.7	1.8	.7								3.5	7.8
NE	.4	2.5	7.7	3.8	.2							14.6	9.1
ENE	.8	2.9	14.7	9.5	.9							28.8	9.8
E	.3	2.5	17.2	10.0	.3							31.3	9.9
ESE		1.4	3.0	2.8	.1							7.4	9.2
SE	.2	.7	2.6	1.3								4.8	8.9
SSE	.1	.8	1.4	.8	.2							3.3	9.6
S	.3	.2	.6									1.1	5.9
SSW	.2	.3	.2	.2								1.0	6.8
SW			.2									.2	7.5
WSW	.4	.3	.1									.9	3.9
W	.1	.2		.1								.4	5.8
WNW		.1	.3									.4	8.0
NW		.2	.1									.3	6.0
NNW	.2	.4										.7	4.0
VARBL													
CALM												.4	
	9	13.0	51.3	29.2	1.8							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22578 WHEELER AFB HT
STATION

STATION NAME

68-70, 73-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	.2	.3								2.0	5.9
NNE	.3	.9	1.3	1.0								3.6	8.7
NE	.2	1.3	7.1	4.6								13.3	9.8
ENE	.4	2.9	16.1	10.6	.2							30.2	9.8
E	.8	4.6	16.2	8.0	.3							29.9	9.2
ESE	.6	.9	3.2	3.1	.1							7.9	9.4
SE	.4	.7	1.9	1.5								4.5	8.7
SSE	.1	.9	1.2	.2								2.5	7.2
S	.3	.8	.4									1.6	5.1
SSW	.1		.2									.3	7.0
SW		.1	.1									.2	7.0
WSW	.1	.2	.1									.4	4.3
W		.2	.2									.4	6.0
WNW		.2	.1									.3	6.3
NW	.1	.6	.3									1.0	6.0
NNW	.1	.2	.2									.6	5.2
VARBL													
CALM												1.2	
	4.1	15.5	49.1	29.4	.7							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	.5	.1								2.3	5.3
NNE	1.8	2.9	2.6	.5								7.8	5.7
NE	1.1	5.2	4.5	1.5								12.3	7.0
ENE	4.5	9.1	9.8	2.4								25.9	6.6
E	3.4	9.7	7.4	1.1	.1							21.7	6.2
ESE	1.8	3.2	2.9	.7	.1							8.7	6.4
SE	1.3	.7	1.7	.6								4.4	6.5
SSE	.2	1.1	.6	.2								2.2	6.4
S	.5	.7	.2									1.5	4.3
SSW	.1											.1	2.0
SW	.1											.1	2.0
WSW	.2											.2	2.5
W	.1											.1	2.0
WNW		.4	.1									.5	5.0
NW	.1	.4										.5	3.8
NNW	.6	.1	.4									1.1	4.6
VARBL													
CALM												10.6	
	16.6	34.6	30.7	7.2	.2							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22506
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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	2.5	.7									5.8	3.9
NNE	2.5	3.6	1.1									7.2	4.2
NE	1.1	1.8	1.3	.2								4.5	5.4
ENE	3.1	4.5	1.8	.7								10.1	5.1
E	4.9	3.6	3.1									11.7	4.9
ESE	2.5	2.0	1.3	.2								6.1	4.6
SE	1.1	2.0	.9									4.0	5.1
SSE	1.1	.2	.4	.4								2.2	5.9
S	.2											.2	3.0
SSW	.2											.2	3.0
SW	.7											.7	2.0
WSW		.2										.2	4.0
W	.9	.4										1.3	3.0
WNW	.7											.7	2.3
NW	1.8	.2										2.0	2.2
NNW	1.6	1.1	.2									2.9	3.3
VARBL													
CALM												40.1	
	25.1	22.2	11.0	1.6								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

446

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.9	.3	.1								2.3	4.4
NNE	1.2	1.9	1.4	.4								5.0	5.9
NE	1.0	3.0	5.1	2.2	.0							11.3	8.0
ENE	2.2	5.0	10.3	4.9	.2							22.5	8.2
E	2.3	5.5	10.5	4.2	.1							22.7	8.0
ESE	1.0	2.0	2.7	1.5	.1							7.2	7.7
SE	.7	.9	1.6	.8								4.1	7.3
SSE	.4	.8	.9	.4	.0							2.4	7.3
S	.5	.5	.3	.0								1.3	4.7
SSW	.2	.1	.1	.0								.5	5.5
SW	.1	.0	.1									.2	4.3
WSW	.2	.2	.1									.5	3.8
W	.6	.2	.0	.0								.8	3.1
WNW	.6	.2	.1									.9	3.7
NW	1.1	.4	.1									1.5	3.2
NNW	.9	.7	.1									1.7	3.6
VARBL													
CALM												15.2	
	13.9	22.2	33.8	14.4	.5							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 4801

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

75,78
YEARS

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE			14.3									14.3	7.0
E	14.3	14.3	28.6									57.1	6.0
ESE			14.3									14.3	10.0
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												14.3	
	14.3	14.3	57.1									100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508 WHEELER AFB HI 74,76-78 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER 0300-0500

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		14.3										14.3	6.0
NNE													
NE		28.6										28.6	4.5
ENE													
E			14.3									14.3	8.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	28.6											28.6	2.5
NNW													
VARBL													
CALM												14.3	
	28.6	42.9	14.3									100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7

(15)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22503
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	1.1										5.5	2.6
NNE	2.5	1.5	.1									4.1	3.3
NE	3.2	2.7	.6									6.4	3.7
ENE	2.0	3.9	1.1	.5								7.4	5.1
E	2.0	3.9	2.1	.1								8.1	5.3
ESE	.9	.9	.2									2.1	4.2
SE	1.1	.5	.1	.1								1.8	3.8
SSE	.2											.2	2.5
S	.4	.2										.6	2.8
SSW	.4	.1										.5	2.5
SW	.1											.1	2.0
WSW	.6											.6	2.0
W	1.6	.2										1.9	2.6
WNW	3.0	1.1										4.1	3.0
NW	4.3	1.9										6.2	2.9
NNW	3.6	.7										4.3	2.6
VARPL													
CALM												46.1	
	30.3	18.6	4.2	.7								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 854

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

J900-1100
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	.5	.5	.1									1.2	3.7
NNE	.9	.8	2.2	.3								4.1	7.0
NE	1.2	4.2	6.8	1.3								13.5	7.3
ENE	1.8	8.2	14.7	5.0	.2							29.9	7.9
E	2.0	8.1	15.0	4.1	.5							29.8	7.9
ESE	.9	1.8	3.7	.9								7.2	7.4
SE	.4	1.2	1.1	.5								3.2	7.2
SSE	.3	1.3	.9	.2								2.7	6.4
S	.3	.5										.9	3.9
SSW													
SW													
WSW													
W		.1										.1	5.0
WNW	.1											.1	2.0
NW	.3	.2										.5	3.2
NNW	.5		.3									.9	5.0
VARBL													
CALM												5.9	
	9.4	27.0	44.7	12.3	.8							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/PAC

SURFACE WINDS

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

22505
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.3										.3	5.3
NNE	.2	.9	2.3	.5								3.9	8.0
NE	.5	1.8	7.5	4.2	.3	.1						14.5	9.6
ENE	.5	2.7	17.8	11.9	1.3							34.2	10.2
E	.2	3.1	16.7	10.2	.4							30.7	9.8
ESE		.8	2.8	1.9	.2							5.7	10.0
SE	.1	.8	1.8	1.4								4.1	9.4
SSE		.3	.9	.2								1.4	8.5
S	.2	1.0	.4	.1								1.7	5.7
SSW		.2	.1									.3	6.7
SW		.1										.1	5.0
WSW	.1	.3										.4	4.0
W		.1										.1	4.0
WNW		.2										.2	4.5
NW		.4	.1									.5	6.0
NNW	.1	.3	.2									.6	6.0
VARBL													
CALM												1.1	
	2.1	13.4	50.6	30.5	2.3	.1						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 WHEELER AFB HI STATION NAME 68-79,73-79 YEARS JUL MONTH
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.1	.4	.1								.8	7.9
NNE	.1	1.3	2.0	1.0								4.3	8.2
NE	.3	3.1	7.7	3.0	.1							14.3	8.8
ENE	.7	5.1	18.1	9.7	.9							34.4	9.6
E	.3	4.6	15.9	10.6	.5							32.0	9.8
ESE	.1	1.3	2.9	1.8								6.2	9.1
SE	.1	.3	1.2	.9								2.5	9.3
SSE	.1	.4	.5	.1								1.2	6.8
S		.8	.2									1.0	5.9
SSW	.2	.2										.4	3.5
SW	.2	.1										.3	3.7
WSW		.1										.1	4.0
W	.1		.3									.4	6.3
WNW		.1	.1									.2	6.5
NW	.1	.1										.2	4.0
NNW	.1	.3	.2									.7	5.2
VARBL													
CALM												1.0	
	2.6	18.0	49.7	27.2	1.5							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 922

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22505
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.8	.4									1.7	4.9
NNE	2.3	2.4	2.7	.6								5.0	5.9
NE	2.4	5.9	6.0	1.1								15.5	6.6
ENE	4.0	10.9	9.8	.8	.1							26.6	6.5
E	3.0	6.8	8.9	2.9								23.7	6.9
ESE	1.5	2.2	1.9	.6								6.2	6.0
SE	.8	1.6	1.0	.1								3.5	5.4
SSE	.2	.4		.1								.7	5.7
S	.8	.1										1.0	2.9
SSW	.1	.1										.2	4.5
SW	.1											.1	2.0
WSW		.2	.1									.4	6.0
W													
WNW													
NW	.5	.1	.1									.7	4.3
NNW	.4	.5										.8	3.4
VARBL													
CALM												10.9	
	16.7	34.1	31.0	7.3	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 68-70, 73-79 MONTH: JUL
 CLASS: ALL WEATHER HOURS (L.S.T.): 2100-2300
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	2.2	.2									5.7	3.4
NNE	2.4	3.8	.9									7.1	4.4
NE	2.2	3.8	1.5	.2								7.7	5.2
ENE	4.2	6.6	1.5	.7								13.0	4.7
E	3.3	5.3	1.8									10.4	4.3
ESE	2.4	1.5	.2	.2								4.4	4.2
SE		.7										.7	5.7
SSE	.4	.7		.2								1.3	4.8
S	.2											.2	2.0
SSW	.4											.4	1.0
SW													
WSW	.4	.4										.9	3.3
W	1.8											1.8	2.1
WNW	2.0	.2										2.2	2.7
NW	1.1	.2										1.3	2.0
NNW	1.8	.4										2.2	2.7
VARBL													
CALM												40.6	
	26.0	25.8	6.2	1.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 453

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

SURFACE WINDS

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

22578
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	.7	.2	.0								2.2	3.7
NNE	1.3	1.6	1.7	.4								5.0	6.2
NE	1.5	3.6	5.4	1.8	.1	.0						12.4	7.5
ENE	2.0	6.1	11.5	5.4	.5							25.5	8.4
E	1.7	5.6	11.1	5.2	.3							23.8	8.4
ESE	.8	1.4	2.2	1.0	.0							5.4	7.5
SE	.4	.8	1.0	.6								2.8	7.4
SSE	.2	.5	.4	.1								1.3	6.6
S	.3	.5	.1	.0								1.0	.6
SSW	.2	.1	.0									.3	3.7
SW	.1	.0										.1	3.3
WSW	.2	.2	.0									.3	3.6
W	.5	.1	.1									.6	3.1
WNW	.7	.3	.0									1.0	3.1
NW	1.1	.5	.0									1.6	3.2
NNW	1.0	.4	.1									1.5	3.4
VARBL													
CALM												15.1	
	13.2	22.4	33.8	14.6	.9	.0						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

4923

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67,74,77-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		20.0										20.0	5.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	20.0											20.0	3.0
NNW													
VARBL													
CALM												60.0	
	20.0	20.0										100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 10

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONTIN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	1.5										5.2	2.8
NNE	2.7	1.7	.3									4.8	3.6
NE	1.9	1.8	.7	.1								4.6	4.3
ENE	1.1	3.0	1.1	.2								5.5	5.2
E	2.6	2.6	1.5	.6								7.3	5.2
ESE	.7	.6	.7									1.9	5.2
SE	.6	.5	.2									1.3	4.4
SSE	.3	.1	.2									.7	4.8
S	.5	.1	.1									.7	3.5
SSW	.3	.1										.5	3.3
SW	.1											.1	2.0
WSW	.8	.1										.9	2.3
W	2.3	.7										3.0	2.6
WNW	3.5	.9										4.4	2.5
NW	4.4	1.7										6.1	2.9
NNW	5.8	2.2										8.0	2.8
VARBL													
CALM												45.2	
	31.5	17.5	4.9	.9								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 879

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-76
YEARS

AUG
MONTH

ALL WEATHER
CLASS

3900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	.2									1.9	4.0
NNE	.5	2.2	.6	.1								3.4	5.5
NE	1.4	4.1	6.7	1.3								13.4	7.3
ENE	2.0	10.4	11.6	3.8								27.8	7.3
E	1.9	7.9	13.7	4.7	.2							28.4	7.9
ESE	.9	3.3	4.2	1.0								9.4	7.2
SE	.9	1.1	1.2	.8								3.9	7.0
SSE	.6	1.0	.9	.1								2.6	5.4
S	.3	.5	.1	.2								1.2	6.1
SSW	.2		.1									.3	4.3
SW	.2											.2	3.0
WSW'	.1	.1										.2	3.5
W		.1										.1	6.0
WNW	.1											.1	3.0
NW	.2	.2										.4	3.3
NNW	.4	.2										.6	3.3
VARBL													
CALM												5.9	
	10.8	31.9	39.2	11.9	.2							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 67-70, 73-76 MONTH: AUG

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

CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.2									.4	6.3
NNE	.3	1.3	1.4	.6								3.7	7.6
NE	.2	1.3	5.7	5.4	.3							12.9	10.3
ENE	.1	3.7	13.3	12.6	.6							30.3	10.2
E	.8	4.1	17.2	12.2	.5							34.7	9.8
ESE	.2	1.7	2.3	3.2								7.4	9.4
SE	.2	.2	1.8	2.2	.1							4.5	10.6
SSE	.3	.1	.6	.4								1.5	7.8
S	.4	.3	.4	.4								1.6	7.1
SSW		.2										.2	4.0
SW	.2	.1										.3	3.0
WSW													
W		.3										.3	4.7
WNW	.1	.1	.1									.3	5.0
NW		.2										.2	5.5
NNW	.1	.4	.1									.6	5.2
VARBL													
CALM												.9	
	3.1	14.2	43.2	37.0	1.6							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22503 WHEELER AFB HI STATION NAME 67-70,73-78 YEARS AUG MONTH 1500-1700 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	.2	.1								1.3	6.0
NNE	.5	.5	1.7	.3								3.1	7.6
NE	.4	2.8	7.3	5.8	.2							16.6	9.6
ENE	.3	3.9	13.2	11.0	1.0							29.4	10.2
E	.5	8.7	13.5	8.6	.4							31.8	9.0
ESE	.2	1.9	2.8	4.2	.2							9.4	10.1
SE		.9	1.2	.6								2.7	8.8
SSE		.6	.3	.1								1.1	7.3
S	.1	.3	.3	.1								.9	6.6
SSW	.1	.2	.1									.4	4.5
S ^W	.2	.1										.3	3.0
WSW	.1		.1									.2	6.5
W	.1			.1								.2	7.0
WNW			.3									.3	7.3
NW	.2											.2	2.0
NNW	.1	.6										.8	4.3
VARBL													
CALM												1.4	
	3.0	21.6	41.1	31.0	1.8							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 67-70, 73-78 MONTH: AUG
 CLASS: ALL WEATHER HOURS (L & T.): 1800-2000
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.2	.6									2.7	4.4
NNE	2.2	3.2	3.2	.2								8.8	5.6
NE	2.6	6.4	5.3	1.6								15.9	6.5
ENE	2.6	8.8	9.4	2.0								22.8	6.7
E	4.2	10.8	5.6	1.8	.2							22.7	6.1
ESE	.7	2.6	3.1	.6								6.9	6.9
SE	.4	1.5	.9	.1								2.9	6.2
SSE	.5	.5	.5									1.4	5.3
S	.7	.4										1.1	3.2
SSW													
SW	.1											.1	2.0
WSW	.1											.1	2.0
W	.4	.1	.1									.6	4.0
WNW	.2	.1										.4	3.0
NW		.1										.1	4.0
NNW	.5	.6										1.1	3.7
VARBL													
CALM												12.4	
	16.1	36.2	28.7	6.4	.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 850

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 WHEELER AFB HI STATION NAME 67-70,73-76 YEARS AUG MONTH
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.0	.2									3.1	3.5
NNE	1.6	4.9	.4									7.0	4.5
NE	2.9	2.9	1.8	.2								7.8	4.9
ENE	3.5	5.1	1.6	.2								10.4	4.5
E	3.5	5.1	1.0	.4								10.0	4.8
ESE	.8	1.4	.4									2.7	4.5
SE	.8	1.4	.2									2.5	4.1
SSE	.8	.8										1.6	3.8
S	1.2	.4										1.6	2.9
SSW	.6											.6	2.3
SW													
WSW	.2	.2										.4	3.0
W	1.6	.6										2.2	2.8
WNW	1.8	.2										2.0	2.7
NW	1.2	.2										1.4	2.6
NNW	2.7	.8										3.5	2.5
VARBL													
CALM												43.1	
	25.2	25.2	5.7	.8								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 489

52

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 STATION NAME WHEELER AFB HI YEARS 67-70,73-78 MONTH AUG
 CLASS ALL WEATHER HOUR (L.S.T.) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.0	.2	.0								2.4	3.8
NNE	1.3	2.1	1.3	.2								4.9	5.6
NE	1.4	3.2	4.8	2.6	.1							12.2	7.9
ENE	1.4	5.8	9.0	5.5	.3							22.1	8.5
E	2.1	6.6	9.5	5.2	.3							23.7	8.1
ESE	.6	2.0	2.4	1.7	.0							6.6	8.2
SE	.4	.9	1.0	.7	.0							3.0	7.7
SSE	.4	.5	.5	.1								1.5	5.9
S	.5	.3	.2	.1								1.1	5.2
SSW	.2	.1	.0									.3	3.7
SW	.2	.0										.2	2.8
WSW	.2	.1	.0									.3	3.2
W	.6	.3	.0	.0								1.0	3.2
WNW	.9	.2	.1									1.2	2.9
NW	1.0	.4										1.4	2.9
NNW	1.5	.8	.0									2.3	3.1
VARBL													
CALM												15.8	
	13.9	24.3	29.2	16.1	.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 5017

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 73,76 MONTH: SEP
 CLASS: ALL WEATHER HOURS (L.S.T.): 0000-0200
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE	16.7											16.7	3.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W	16.7											16.7	2.0
WNW													
NW		33.3										33.3	4.0
NNW													
VARBL													
CAUA												33.3	
	33.3	33.3										100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 6

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22502 STATION NAME: WHEELER AFB HI YEARS: 75-76 MONTH: SEP
 CLASS: ALL WEATHER HOURS (L.S.T.): 0300-0500
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	50.0											50.0	2.6
NNW	50.0											50.0	3.0
VARBL													
CALM													
	100.0											100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22505 WHEELER AFB HI 67-70, 73-78 SEP
STATION STATION NAME YEARS MONTH

ALL WEATHER 2601-0800
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	.5										3.4	2.6
NNE	1.7	1.2	.1									3.0	3.5
NE	1.3	1.4	.1									3.3	3.7
ENE	1.5	1.7	.7									3.9	4.4
E	1.2	1.9	.5									3.6	4.4
ESE	.5	.7										1.2	3.3
SE		.4										.4	5.0
SSE	.6	.1										.7	2.7
S	.6	.1										.7	2.7
SSW	.1											.1	2.0
SW	.4											.4	2.3
WSW	.5	.2										.7	2.5
W	2.7	.1										2.9	2.4
WGW	4.2	.8										5.0	2.3
NW	4.3	1.8	.1									6.2	2.8
NNW	5.1	1.2										6.3	2.6
VARBL													
CALM												58.3	
	28.9	12.1	1.5									100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 842

USAFETAC FORM 0-8-5 (01-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 AHEELER AFB HI TELETYPE 67-70,73-78 MONTH SEP
STATION NAME CLASS NOTES (L & T)
ALL WEATHER
CONDITIONS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6	.8									2.3	4.4
NNE	1.7	2.3	1.0	.1								5.1	5.2
NE	2.1	5.0	6.8	.6	.1							14.6	6.4
ENE	2.3	8.0	9.3	1.4								21.1	6.9
E	2.3	7.2	11.1	2.9								23.6	7.4
ESE	1.7	3.7	3.8	.4								9.6	6.3
SE	.6	1.9	1.8	.2								4.4	6.7
SSE	1.2	.4	.9	.2								2.8	5.4
S	.7	1.0	.3									2.0	4.6
SSW		.1										.1	4.0
SW	.2	.3										.6	4.4
WSW													
W	.4											.4	2.3
WNW	.4	.3										.8	3.4
NW	.4	.1	.1									.7	3.5
NNW	.1	.1	.4									.7	6.5
VARBL													
CALM												11.2	
	15.2	31.1	36.4	5.9	.1							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70,73-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	.4									1.2	5.5
NNE	.1	1.2	2.3	1.0								4.7	8.4
NE	.1	2.4	7.6	5.1	.1							15.4	9.6
ENE	.9	4.3	15.9	6.3								27.5	8.9
E	.6	4.8	13.5	6.2								25.1	9.0
ESE	.4	1.0	3.5	3.2	.1							8.2	9.7
SE	.4	1.2	1.4	1.2	.1							4.5	8.5
SSE	.2	.9	1.3	.6								3.0	7.4
S	.3	.8	1.0	.1								2.2	6.7
SSW	.1	.7	.3									1.1	5.6
SW		.1	.2									.3	6.3
WSW	.3	.1										.4	2.5
W	.2	.1	.1									.4	5.3
WNW	.2		.4									.7	6.2
NW	.3	.7	.7	.1								1.8	6.0
NNW	.2	.8	.7									1.7	6.0
VARBL													
CALM												1.8	
	4.7	19.8	49.4	23.9	.3							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

898

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70,73-78
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	.6	.6	.7									1.8	5.1
NNE	.1	1.7	2.9	.4								5.1	7.6
NE	.4	4.0	9.6	4.8								18.8	8.9
ENE	.4	4.6	14.2	6.7	.3							26.3	9.2
E	1.1	4.7	11.9	5.8								23.5	8.8
ESE	.6	1.8	3.6	2.4								8.3	8.7
SE	.2	.9	1.4	.4								3.0	7.8
SSE	.4	1.0	.6									2.0	5.7
S	.3	.9	.7									1.9	6.0
SSW		.3	.1									.4	6.3
SW		.1	.3	.1								.6	8.4
WSW	.1	.1	.1									.3	5.0
W	.2	.6	.1									.9	4.6
WNW	.1	.6	.3									1.0	6.1
NW	.2	.6	.1									.9	4.8
NNW	.2	1.0	.8									2.0	5.8
VARBL													
CALM												3.2	
	5.1	23.2	47.4	20.7	.3							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22538
STATION

WHEELER AFB HI
STATION NAME

67-70.73-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.3	.4									4.1	4.1
NNE	2.3	4.1	2.4	.4								9.2	5.4
NE	3.4	5.3	4.9	1.1								14.7	6.0
ENE	2.9	6.6	4.1	.6								14.2	5.7
E	2.2	6.9	3.8	.6								13.5	5.7
ESE	1.6	1.7	2.2	.2								5.7	5.8
SE	1.0	1.5	.5	.1								3.0	4.8
SSE	.4	1.1	.1									1.6	4.2
S	.8	.2	.1									1.2	3.1
SSW	.4	.5										.8	3.4
SW	.1											.1	2.0
WSW		.1										.1	4.0
W	.2	.2	.1									.6	4.2
WNW	.7	.1										.8	2.4
NW	.5	.2	.2									1.0	4.0
NNW	1.3	.6	.1									2.1	3.4
VARBL													
CALM												27.2	
	19.3	31.6	18.9	3.0								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH
 2100-2300
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.7	.2									3.2	4.3
NNE	2.6	3.0	.9									6.4	4.1
NE	3.4	1.9	.9									6.2	3.8
ENE	3.6	2.6	.9									7.1	3.9
E	3.2	1.7	.6	.2								5.8	3.9
ESE	.9	.6										1.5	3.7
SE	.6	.4	.2									1.3	4.3
SSE	.4	.2										.6	3.0
S	.4	.2										.6	3.3
SSW	.2											.2	2.0
SW	.6											.6	1.7
WSW	.9	.2										1.1	2.8
W	2.4	.2										2.6	2.5
WNW	2.4	.4										2.8	2.6
NW	3.4											3.4	2.3
NNW	2.4	.2										2.6	2.3
VARBL													
CALM												53.9	
	28.8	13.5	3.6	.2								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 466

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 STATION NAME HEELER AFB HI YEARS 67-70,73-78 MONTH SEP
 CLASS ALL WEATHER HOURS (L & T.) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.0	.4									2.6	4.1
NNE	1.3	2.2	1.7	.4								5.5	5.9
NE	1.7	3.5	5.4	2.1	.0							12.7	7.5
ENE	1.8	4.8	8.3	2.8	.1							17.7	7.7
E	1.6	4.8	7.6	2.9								16.9	7.7
ESE	.9	1.7	2.4	1.2	.0							6.2	7.5
SE	.5	1.1	1.0	.4	.0							2.9	7.0
SSE	.6	.7	.5	.1								1.9	5.6
S	.5	.6	.4	.0								1.5	5.1
SSW	.1	.3	.1									.5	4.7
SW	.2	.1	.1	.0								.4	4.9
WSW	.2	.1	.0									.4	3.1
W	.9	.2	.1									1.2	3.1
WNW	1.2	.4	.1									1.7	3.1
NW	1.4	.6	.2	.0								2.3	3.5
NNW	1.5	.7	.4									2.5	3.8
VARBL													
CALM												23.0	
	15.7	22.6	28.6	9.9	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 4836

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 STATION NAME WHEELER AFB HI YEARS 73-74 MONTH OCT
 CLASS ALL WEATHER HOURS (L S T.) 0300-0500
 CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	33.3											33.3	2.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW		33.3										33.3	4.0
NNW													
VARBL													
CALM												33.3	
	33.3	33.3										100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 3

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 STATION NAME WHEELER AFB HI YEARS 67-70, 73-76 MONTH OCT
 CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.3										4.0	2.8
NNE	.6	1.6										2.2	4.1
N-	1.4	1.0	.1									2.5	3.4
NNE	1.0	1.0	.1	.2								2.4	4.5
E	1.2	1.6	1.5	.2								4.5	5.8
ESE	.5	.7	.3									1.5	4.5
SE	.1	1.0	.2									1.4	5.2
SSE	.3	.2	.3									.9	4.8
S	.3	.5										.8	3.4
SSW	.3		.1									.5	3.0
SW	.2	.1										.3	3.0
WSW	.2											.2	2.5
W	1.5	.3										1.8	2.7
WNW	5.5	.6										6.1	2.3
NW	5.7	1.7										7.6	2.7
NNW	3.7	2.1	.2									6.0	3.1
VARBL													
CALM												57.0	
	25.6	13.9	3.0	.5								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 866

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

07-70, 73-78
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	1.4	1.6	.6	.2								3.9	5.1
NNE	1.4	2.3	2.2	.4								6.2	5.9
NE	2.6	3.5	4.1	.9	.1							11.2	6.3
ENE	2.5	5.7	7.4	2.2	.1							17.8	7.2
E	2.8	5.4	9.4	2.9								20.4	7.4
ESE	1.4	2.6	2.7	.4								7.1	6.3
SE	.5	3.1	1.2	.3								5.2	5.8
SSE	1.2	1.4	.8	.1								3.4	5.2
S	1.3	2.2	.5									4.0	4.7
SSW	.5	.6	.3									1.5	4.6
SW	.1	.3	.5	.1								1.1	7.1
WSW	.2	.3	.1	.1								.8	6.1
W	.6		.1									.8	2.9
WNW		.2	.1									.3	6.3
NW	.2	.4	.1									.8	4.6
NNW	1.1	1.1		.1								2.3	4.1
VARBL													
CALM												13.3	
	17.8	30.8	30.1	7.7	.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22506
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-76
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.2	2.2									4.6	5.6
NNE	.3	2.9	1.7	.4								5.4	6.7
NE	.1	2.2	6.3	3.5								12.2	9.0
ENE	.8	3.3	11.9	7.0	.3							23.8	9.2
E	1.2	5.3	8.9	5.7	.6							21.7	8.9
ESE	.4	2.4	3.7	1.8								8.3	8.4
SE	.3	.8	1.6	.1								2.8	7.0
SSE	.4	1.7	1.2	.1								3.4	6.3
S	.5	1.2	1.9	.2								3.9	6.6
SSW	.2	.8	.8									1.7	6.2
SW	.2	.3	.2									.8	5.3
WSW	.1	.3	.1	.2								.8	7.9
W	.2	.9		.1								1.2	5.0
WNW	.4	.5	.8									1.7	5.5
NW	.3	1.1	.3									1.7	5.1
NNW	.3	.9	1.4									2.6	6.2
VARBL													
CALM												3.5	
	7.2	26.0	43.0	19.2	1.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 WHEELER AFB HI STATION NAME: WHEELER AFB HI YEARS: 67-70, 73-76 MONTH: OCT
 CLASS: ALL WEATHER HOURS (L.S.T.): 1500-1700
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.7	1.5	.3								5.5	6.0
NNE	.5	2.2	2.3	.2								5.2	6.5
NE	.4	3.8	6.1	3.7								14.0	8.5
ENE	.9	4.6	12.3	5.1	.1							22.9	8.6
E	1.4	6.0	12.8	3.7								23.9	7.9
ESE	.6	2.5	2.9	1.0								7.0	7.4
SE		1.1	.6	.1								1.8	6.6
SSE	.3	1.2	.8	.1								2.4	5.7
S	1.0	1.7	1.5	.2								4.4	5.9
SSW	.3	.3	.4	.1								1.2	6.3
SW	.1	.5	.2									.9	5.0
WSW	.2		.1									.3	4.0
W	.4	.6										1.1	3.7
WNW	.5	.6										1.2	3.8
NW	.1	.4	.2									.8	5.1
NNW	.6	1.4	1.1									3.1	5.5
VARBL													
CALM												4.5	
	2.5	29.7	42.8	14.4	.1							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
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	3.7	2.6	.8									7.2	3.9
NNE	1.3	3.9	.8									6.0	4.7
NE	2.5	3.7	1.2									7.5	4.5
ENE	2.8	6.6	4.1									13.5	5.4
E	2.5	5.2	1.9	.2								9.9	4.8
ESE	1.9	1.6	.6									4.1	3.9
SE	.8	1.3	.4									2.5	4.3
SSE	.5	1.1	.2									1.8	4.6
S	.8	1.1										1.9	3.5
SSW	.6	.1	.1									.8	3.3
SW	.2											.2	2.0
WSW	.5	.1										.6	2.4
W	1.2	.2										1.4	2.7
WNW	1.0	.5										1.4	2.9
NW	2.2	.7										2.9	2.8
NNW	2.2	2.0	.2									4.5	3.5
VARBL													
CALM												33.7	
	24.8	30.8	10.5	.2								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508 WHEELER AFB HI 67-70, 73-78 OCT

STATION STATION NAME YEARS MONTH

ALL WEATHER 2100-2300

CLASS HOURS (L.S.T.)

CO-DITION

SPEED (KNTS) DIR.	1-3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	.9										4.1	3.1
NNE	1.3	1.1	.9									3.3	4.7
NE	1.1	1.1	.9									3.1	4.8
ENE	1.3	2.0	1.7									5.0	5.3
E	2.2	2.0	.4	.2								4.8	4.3
ESE	.7	.9	.2									1.7	4.0
SE	.4		.2									.7	5.0
SSE	.7	.2										.9	3.5
S	1.1	.4										1.5	2.9
SSW	.4											.4	3.0
SW	.2	.2										.4	3.5
WSW	.2											.2	3.0
W	3.3	.9										4.1	2.6
WNW	3.3	.7										3.9	2.3
NW	4.4	.9	.2									5.4	2.6
NNW	3.1	1.3										4.4	2.9
VARBL													
CALM												56.0	
	26.8	12.4	4.6	.2								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 459

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 STATION NAME WHEELER AFB HI YEARS 67-70, 73-76 MONTHS JCT
 CLASS ALL WEATHER
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	1.8	.9	.1								5.3	4.6
NNE	.9	2.4	1.4	.2								4.8	5.7
NE	1.4	2.7	3.4	1.5	.3							9.0	7.2
ENE	1.5	4.1	6.8	2.7	.1							15.3	7.8
E	1.8	4.5	6.5	2.4	.1							15.3	7.5
ESE	.9	1.9	1.9	.6								5.3	6.7
SE	.4	1.3	.8	.1								2.5	5.8
SSE	.6	1.1	.6	.1								2.3	5.4
S	.8	1.3	.7	.1								2.9	5.2
SSW	.4	.3	.3	.0								1.1	5.1
SW	.2	.3	.2	.0								.6	5.3
WSW	.2	.1	.1	.1								.5	5.2
W	1.0	.5	.0	.0								1.5	3.1
WNW	1.6	.5	.2									2.3	3.1
NW	1.9	.9	.1									3.0	3.2
NNW	1.7	1.5	.5	.0								3.7	4.0
VARBL													
CALM												24.9	
	17.5	25.0	24.5	7.9	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 4949

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22509 NAME: WHEELER AFB HI YEARS: 74,76 MONTH: NOV
 CLASS: ALL WEATHER HOURS (LST): 0800-0200
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE				25.0								25.0	12.0
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												75.0	
				25.0								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 5

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22506
STATION

WHEELER AFB HI
STATION NAME

73-76,78
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													
NNE													
NE													
ENE													
E		16.7										16.7	5.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW		16.7										16.7	5.0
NNW													
VARBL													
CAL"												66.7	
		33.3										100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

6

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 STATION NAME WHEELER AFB HI YEARS 67-70,73-78 MONTH NOV
 CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	1.7	.7	.1								4.6	4.7
NNE	.7	1.4	1.0	.1								3.3	5.6
NE	1.1	.5	.5	.1								2.2	4.4
ENE	1.1	1.2	.5									2.8	4.6
E	1.1	1.1	.6	.6								3.4	6.0
ESE	.4	.6	.2	.2								1.4	6.0
SE	.4	1.1	.5	.2	.1							2.3	6.7
SSE	.8	1.1	.5	.2								2.7	5.5
S	.4	.4	.4	.4								1.4	7.4
SSW	.4	.1										.5	3.3
SW	.1											.1	2.0
WSW													
W	3.0	1.4		.1								4.6	3.2
WNW	2.5	2.1	.2									4.8	3.4
NW	5.5	4.2	.1									9.9	3.2
NNW	3.7	3.0	.1									6.9	3.5
VARBL													
CALM												49.2	
	23.3	19.9	5.3	2.2	.1							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 35	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	1.7	.3	.2							5.6	6.5
NNE	.8	1.9	1.8	1.1								5.6	7.4
NE	1.0	2.4	3.3	1.8								8.5	7.5
ENE	1.2	3.4	5.4	1.4	.2							11.6	7.5
E	1.6	4.4	5.4	2.8	.2	.1						14.6	7.9
ESE	1.5	3.1	3.2	.8								8.5	6.6
SE	.8	2.7	1.6	.5								5.5	6.2
SSE	1.5	2.6	1.8	.5								6.3	5.9
S	.6	2.6	1.0	.9								5.1	6.6
SSW	.1	.2										.3	3.3
SW	.1		.1									.2	5.5
WSW		.1	.1	.1								.3	8.7
W	.2	.5	.3									1.0	5.0
WNW	.5	.6	.1	.1								1.2	4.5
NW	1.1	1.5	.2	.1								2.9	4.5
NNW	.6	1.9	1.0	.1								3.6	5.9
VARBL													
CALM												18.9	
	12.7	30.1	27.1	10.5	.7	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 885

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22506
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
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	.8	1.8	1.6	.9								5.1	7.1
NNE	.3	.9	1.9	1.6								4.7	9.0
NE	.7	2.5	4.9	4.3	.1							12.4	9.3
ENE	.7	3.2	8.8	5.1	.2							17.9	9.1
E	.7	2.8	9.0	5.5	.7	.1						19.8	9.7
ESE	.6	1.2	2.0	1.6	.1							5.5	8.7
SE	.3	1.7	1.8	1.0	.1							5.0	8.0
SSE	.3	2.7	1.8	.8								5.6	7.1
S	.6	3.0	2.1	1.8								7.6	7.4
SSW	.1	.2	.3									.7	6.0
SW		.1	.2	.2								.6	10.0
WSW	.1	.8	.1									1.0	5.6
W	.2	.5	.6									1.2	6.3
WNW	.1	.6	.8									1.5	6.9
NW	.1	.9	1.0									2.0	6.8
NNW	.5	2.0	2.4	.1								5.0	6.5
VARBL													
CALM												4.4	
	6.1	24.9	40.3	22.9	1.2	.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

886

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

HEELER AFB HI
STATION NAME

67-70, 73-78
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	.8	3.1	2.7	.3								6.9	6.3
NNE	.3	1.6	2.8	1.1								5.9	8.1
NE	.5	2.5	5.5	3.1	.1							11.6	8.7
ENE	.5	4.7	8.3	3.2	.1							16.7	8.2
E	.8	5.7	8.5	3.4	.3							18.7	8.2
ESE	.7	1.0	1.6	1.4	.1							4.8	8.5
SE	.5	1.4	.6	.8								3.2	7.0
SSE	.8	3.2	1.5	.8								6.2	6.3
S	1.1	1.9	2.2	1.0								6.2	7.1
SSW		.8	.5									1.2	6.0
SW	.1	.5	.1									.7	5.8
WSW	.3	.6	.2	.1								1.2	5.5
W	.2	1.0	.7	.1								2.0	6.4
WNW	.5	.3	.2	.1								1.1	4.8
NW	.5	1.4	.7	.1								2.6	5.3
NNW	.7	3.2	1.9	.2								6.0	6.2
VARBL													
CALM												4.7	
	8.2	32.7	38.0	15.8	.7							106.0	7.2

TOTAL NUMBER OF OBSERVATIONS

880

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-76
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.8	4.4	1.7									8.8	4.8
NNE	1.5	3.2	.9	.1								5.8	5.0
NE	1.5	2.0	1.4	.4								5.4	5.6
ENE	1.9	5.0	1.0	.3								8.2	5.0
E	2.4	3.5	2.0	.8	.1							8.8	5.8
ESE	1.0	.9	.4	.6								2.9	6.7
SE	.6	1.2	.4		.1							2.3	5.4
SSE	.4	1.3	.4	.8								2.8	7.3
S	1.2	1.2	.8		.1							3.2	5.3
SSW	.1	.4		.1								.6	6.0
SW	.4		.1									.5	3.8
WSW	.3	.3										.5	3.0
W	.6	1.3	.1	.1								2.2	4.4
WNW	1.5	.9										2.4	3.5
NW	2.3	2.2	.3									4.7	3.6
NNW	1.9	3.1	.5									5.5	4.4
VARBL													
CALM												35.2	
	20.6	30.6	10.0	3.2	.4							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 781

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70,73-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	1.8	1.1									4.5	4.5
NNE	1.3	1.6	.4	.2								3.6	5.1
NE	.9	.4	.2									1.6	3.6
ENE	.9	1.3	1.3	.4								4.0	6.2
E	.9	2.5	.4	.4	.2							4.5	6.2
ESE	.9	.2	.2	1.8	.4							3.6	10.2
SE	.7	.2	.7									1.6	5.0
SSE		.4	.4	.7	.2							1.8	10.0
S	.4	.4	.7	.4								2.0	7.0
SSW													
SW		.2										.2	6.0
WSW		.2										.2	4.0
W	4.0	.7										4.7	2.6
WNW	3.1	1.8										4.9	3.0
NW	3.4	3.1	.7									7.2	3.8
NNW	3.4	3.6	.7									7.6	3.8
VARBL													
CALM												47.9	
	21.6	18.7	7.0	4.0	.9							100.0	.6

TOTAL NUMBER OF OBSERVATIONS

445

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 STATION NAME WHEELER AFB HI YEARS 67-70, 73-78 MONTH NOV
 CLASS ALL WEATHER
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	1.6	.3	.0							6.0	5.7
NNE	.8	1.8	1.6	.6								4.9	7.0
NE	.9	1.8	2.9	1.8	.0							7.5	7.9
ENE	1.0	3.3	4.6	1.9	.1							10.9	7.7
E	1.3	3.4	5.0	2.5	.3	.0						12.4	8.1
ESE	.8	1.3	1.4	1.0	.1							4.6	7.7
SE	.5	1.5	1.0	.5	.1							3.5	6.7
SSE	.7	2.0	1.1	.6	.0							4.5	6.5
S	.7	1.7	1.3	.8	.0							4.5	6.9
SSW	.1	.3	.1	.0								.6	5.3
SW	.1	.1	.1	.0								.4	6.3
WSW	.1	.3	.1	.0								.6	5.4
W	1.1	.9	.3	.1								2.4	4.2
WNW	1.2	1.0	.3	.0								2.4	4.0
NW	2.0	2.1	.5	.0								4.6	4.0
NNW	1.6	2.7	1.2	.1								5.6	5.0
VARBL													
CALM												24.4	
	14.6	26.8	23.0	10.5	.7	.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 4716

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

68,76
YEARS

DEC
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	11.1	16.7										27.8	3.8
NNE													
NE													
ENE													
E			11.1	5.6								16.7	9.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	11.1	11.1										22.2	3.3
NNW	5.6	16.7	5.6									27.8	4.6
VARBL													
CALM												5.6	
	27.8	44.4	16.7	5.6								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 18

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22503 STATION NAME: WHEELER AFB HI YEARS: 67-68,75,78 MONTH: DEC
 CLASS: ALL WEATHER HOURS (LST): 0300-0500
 CONDITION: _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			10.0									10.0	7.5
NNE													
NE													
ENE		5.0										5.0	6.0
E		5.0	5.0									10.0	7.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	20.0											20.0	2.0
NNW	10.0	20.0	5.0									35.0	4.4
VARBL													
CALM												20.0	
	30.0	30.0	20.0									100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 20

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22508 STATION NAME WHEELER AFB HI YEARS 67-70, 73-78 MONTH DEC
 CLASS ALL WEATHER HOURS (L.S.T.) 0600-0600
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.5	2.1	1.2	.1								5.9	4.3
NNE	.6	1.2	1.0	.4								3.1	6.6
NE	.5	.6	.8	.5	.1							2.7	7.4
ENE	.4	1.7	1.6	.6	.4							4.6	8.2
E	1.0	1.4	1.6	1.4	.1							5.6	7.9
ESE	.7	.4	.6									1.5	4.8
SE	.2	.1	.2									.6	5.0
SSE	.5	.7	.5	.1								1.8	5.7
S	.7	.8	.4	.5	.2							2.7	7.4
SSW	.2	.1	.7	.5								1.6	8.9
SW	.4	.1		.1								.6	5.4
WSW	.1			.2								.4	9.7
W	1.6	.7	.1									2.4	3.1
WNW	1.7	1.6										3.3	3.2
NW	4.6	3.3	.2									8.1	3.3
NNW	5.3	4.1	.1									9.5	3.4
VARBL													
CALM												44.7	
	22.0	19.0	9.1	4.5	.8							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

3900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	4.1	1.9	.5								8.1	5.6
NNE	1.1	2.4	3.6	.9								8.0	7.1
NE	1.1	1.9	1.9	1.5	.1							6.5	7.7
ENE	1.2	2.3	4.5	2.8	.3	.1						11.3	8.8
E	1.9	3.8	5.0	2.3	1.4							14.3	8.5
ESE	1.6	1.7	1.4	.5								5.1	5.6
SE	.7	1.4	.8									2.8	5.3
SSE	1.6	2.4	.3	.1								4.4	4.2
S	1.2	2.3	1.6	.9								6.0	6.5
SSW	.2	.5	.2	.8	.1							1.8	9.6
SW	.2	.5		.2	.3							1.2	9.8
WSW		.3	.1	.1								.6	7.6
W	.2	.7	.1									1.0	4.4
WNW	.3	.7	.1									1.1	3.9
NW	1.2	.7	.3	.1								2.4	4.3
NNW	1.5	1.8	1.4	.1								4.7	5.3
VARBL													
CALM												20.7	
	15.9	27.1	23.2	10.7	2.3	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

888

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.4	4.1	1.0	.1							7.5	8.1
NNE	.6	2.1	2.2	1.7								6.6	8.1
NE	.6	2.1	5.1	3.7	.2							11.6	9.4
ENE	1.0	3.3	4.7	5.3	1.0							15.4	9.8
E	1.3	2.3	7.1	5.6	1.0	.3						17.7	10.0
ESE	.9	1.8	1.0	1.1	.1							5.1	7.1
SE	.6	.8	.6	.5								2.4	6.5
SSE	.7	2.2	2.2	.5								5.5	6.6
S	.7	2.4	2.2	1.4	.3	.1						7.1	8.5
SSW		.7	.8	.1	.1							1.7	8.3
SW	.3	.2	.7	.7	.1							2.1	9.8
WSW		.2	.3	.1	.1							.8	9.9
W	.3	.8	.2	.1								1.5	4.9
WNW	.3	.9	.1									1.4	4.4
NW	.7	1.6	.8	.5								3.6	5.9
NNW	.7	2.1	2.0	1.0								5.7	7.3
VARBL													
CALM												4.4	
	9.5	24.9	34.1	23.3	3.2	.5						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 870

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22528
STATION

WHEELER AFB HI
STATION NAME

67-10,73-78
YEARS

DEC
NORTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	3.9	4.1	1.2								10.0	7.3
NNE	.5	1.5	3.5	1.1		.1						3.7	8.4
NE	.8	2.0	4.6	2.2	.9							10.5	9.3
ENE	1.3	4.7	6.7	4.1	.2	.1						17.1	8.4
E	.9	4.3	6.7	4.3	.7	.1						17.1	8.9
ESE	.2	.6	.6	.5								1.9	7.8
SE		1.3	.2									1.5	5.5
SSE	.6	2.5	.9									4.0	5.5
S	.5	3.4	2.2	.1	.6							6.8	7.3
SSW		.9	.7	.1	.1							1.9	7.3
SW	.1	.4	.1	.5								1.1	8.6
WSW	.1	.2		.2	.2	.1						.9	12.5
W	.6	.6	.2									1.4	4.4
WNW	.5	.7	.2									1.4	4.9
NW	.5	1.1	1.9	.2								3.6	6.8
NNW	.9	3.3	4.2	.5								8.9	6.8
VARBL													
CALM												5.	
	8.4	31.2	36.8	15.0	2.8	.5						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

856

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70,73-78
YEARS

DEC
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	5.1	6.2	2.6	.1								14.1	4.8
NNE	1.5	1.8	1.8	.4								5.4	5.9
NE	1.6	1.5	1.5	1.2	.3							6.1	7.4
ENE	1.4	2.7	2.2	.8	.1							7.2	6.8
E	3.0	2.2	3.4	1.5	.1	.1						10.3	7.1
ESE	.3	1.2	.3	.5								2.3	6.6
SE	1.1	.7	.1									1.9	3.4
SSE	.8	.5	.3	.1								1.8	4.5
S	1.4	1.8	.4	.5	.3							4.3	6.0
SSW	.1	.3	.5	.3								1.2	7.8
SW	.1			.3								.4	8.7
WSW	.8	.3			.1	.1						1.4	6.3
W	.4	.4			.1							.9	5.6
WNW	.7	.4	.3									1.4	4.2
NW	1.4	1.4	.5	.1								3.4	4.6
NNW	3.0	3.4	1.2	.5								8.1	4.9
VARBL													
CALM												29.9	
	22.6	24.6	15.0	6.5	1.1	.3						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

739

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.5	4.4	1.0	.5								10.6	4.4
NNE	.5	1.8	2.1	.8								5.2	7.3
NE	.8	.8	1.0	1.0								3.6	8.1
ENE	.3	2.3	2.3	.8								5.7	7.8
E	1.3	1.8	2.6	1.3		.3						7.2	7.8
ESE	.3	.5	.3									1.5	3.7
SE	1.0	.5	.5									2.1	4.3
SSE	.3	1.0										1.3	4.8
S	1.3	.8		.5	.5							3.1	7.7
SSW	.3	.8	1.0	.3								2.3	6.8
SW	.3		.3	.5	.3							1.3	11.4
WSW	.3											.3	2.0
W	2.1		.3									2.3	2.8
WNW	2.1	1.8	.3									4.1	3.6
NW	3.4	.8	.3									4.4	2.6
NNW	5.4	2.8	.8	.5								9.5	4.0
VARBL													
CALM												35.6	
	24.5	20.1	12.6	6.2	.8	.3						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

388

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.6	2.7	.6	.0							9.4	5.8
NNE	.8	1.8	2.4	.9		.0						5.9	7.4
NE	.9	1.5	2.6	1.8	.3							7.2	8.6
ENE	1.0	2.9	3.8	2.5	.4	.0						10.7	8.6
E	1.5	2.8	4.6	2.9	.6	.1						12.6	8.8
ESE	.7	1.1	.7	.5	.0							3.1	6.3
SE	.5	.8	.4	.1								1.9	5.2
SSE	.8	1.6	.8	.2								3.3	5.4
S	.9	2.0	1.3	.7	.3	.0						5.2	7.3
SSW	.1	.5	.6	.3	.1							1.7	8.2
SW	.2	.2	.2	.4	.1							1.1	9.3
WSW	.2	.2	.1	.1	.1	.0						.7	8.9
W	.7	.6	.2	.0	.0							1.5	4.0
WNW	.8	.9	.2									1.9	3.9
NW	1.9	1.5	.7	.2								4.3	4.4
NNW	2.5	3.0	1.7	.4								7.7	5.2
VARBL													
CALM												21.7	
	16.3	25.1	23.0	11.6	2.3	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 4607

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

22508
STATION

WHEELER AFB HI
STATION NAME

67-70,73-79
YEARS

ALL
NORTH

ALL WEATHER
CLASS

ALL
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	1.2	.2	.0							5.1	5.2
NNE	1.1	1.9	1.7	.5	.0	.0						5.2	6.4
NE	1.2	2.6	4.0	2.0	.1	.0						9.9	7.8
ENE	1.4	4.1	7.1	3.5	.3	.0						16.3	8.3
E	1.6	4.1	7.2	3.6	.2	.0						16.8	8.2
ESE	.8	1.2	1.8	.9	.0	.0						5.0	7.3
SE	.5	1.1	.9	.4	.0							2.9	6.6
SSE	.6	1.1	.9	.3	.0							3.0	6.5
S	.7	1.2	1.0	.4	.1	.0	.0					3.3	6.6
SSW	.3	.3	.3	.1	.0	.0						1.0	6.1
SW	.2	.2	.2	.1	.0	.0						.7	6.6
WSW	.2	.3	.2	.1	.0	.0						.7	5.6
W	.8	.5	.2	.0	.0							1.5	4.4
WNW	1.1	.6	.2	.0	.0							1.9	3.9
NW	1.5	1.2	.5	.1								3.3	4.3
NNW	1.7	1.7	1.0	.1	.0							4.5	4.8
VARBL													
CALM												18.8	
	15.4	24.4	28.3	12.2	.8	.0	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 58063

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 22508 STATION NAME: WHEELER AFB HI YEARS: 67-70, 73-79 MONTH: ALL
 INSTRUMENT: _____ CLASS: _____
 CONDITION: 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 HOURS (L.S.T.): ALL

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.8	2.4	.2								6.7	5.9
NNE	1.1	2.1	1.4	.4								5.0	5.8
NE	.5	1.2	1.3	.1								3.1	6.5
ENE	.9	1.2	1.3	.4								5.8	6.3
E	1.3	1.8	1.6	.2								4.9	5.6
ESE	.7	1.2	1.1	.4								3.4	6.4
SE	1.0	2.5	1.1	.7	.1							5.4	6.3
SSE	1.2	3.5	3.0	1.8	.4							9.8	7.6
S	2.0	4.5	4.2	2.0	1.3		.1					14.3	8.3
SSW	1.1	1.1	1.9	1.1	.3	.1						5.6	8.4
SW	.7	.6	.5	.9	.1	.1						2.9	8.9
WSW	.4	.5	.8	.4	.2	.1						2.4	9.4
W	.5	.8	1.0	.4	.1							2.8	7.0
WNW	.6	.8	.6	.4	.1							2.4	6.6
NW	.8	2.0	1.6	.4								4.9	6.2
NNW	1.1	2.2	2.8	.6	.1							6.7	6.7
VARBL													
CALM												15.9	
	15.3	28.9	26.6	10.4	2.6	.3	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1416

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100					95.6		96.9			98.3						
0																100.0

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

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility \geq 3 miles = 95.6%.
 Visibility \geq 2 miles = 96.9%.
 Visibility \geq 1 mile = 98.3%.

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

ADDITIONAL EXAMPLES

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

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

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

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

ATA PROCESSING BRANCH
 USAF ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WHEELER AFB MI YEARS: 73,75 MONTH: JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
 HOURS 15'

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .15	≥ .1	≥ 0	
NO CEILING	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
≥ 20000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
IV 18000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
IV 16000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
IV 14000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
IV 12000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
IV 10000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
IV 9000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
IV 8000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
IV 7000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
IV 6000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
IV 5000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	
IV 4500	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	
IV 4000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	
IV 3500	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	
IV 3000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	
IV 2500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 26

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22505 WHEELER AFB MI

68-70,75-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-0800
MOON 157

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	50.2	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000	52.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 18000	53.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 16000	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 14000	53.7	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	54.6	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 10000	55.7	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 9000	56.3	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	56.8	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	57.3	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 6000	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 5000	60.9	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 4500	63.3	64.3	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
IV 4000	67.6	69.0	69.1	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
IV 3500	70.9	72.4	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3000	74.5	76.8	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 2500	79.1	81.3	82.1	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2000	84.0	86.9	88.0	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1800	85.5	88.0	89.0	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	87.7	91.5	93.0	93.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	88.4	92.3	94.0	94.9	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000	89.0	93.3	95.1	95.9	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	89.1	93.5	95.3	96.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 800	89.1	93.5	95.4	96.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	89.2	93.6	95.6	96.4	97.4	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 600	89.4	93.9	95.9	96.7	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	89.6	93.9	95.9	96.7	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 400	89.8	94.3	96.3	97.2	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	89.8	94.3	96.3	97.2	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	89.8	94.3	96.3	97.2	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	89.8	94.3	96.3	97.2	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	89.8	94.3	96.3	97.2	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 855

DATA PROCESSING BRANCH
 USAF ETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22:00
 STATION W-EELEP AFB HI

68-79,73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	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	49.2
≥ 20000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 16000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 14000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 12000	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 7000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 6000	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	59.6	59.6
IV 5000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 4500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 3500	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 3000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2500	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1800	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1500	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	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	98.9
IV 600	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
IV 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	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	99.9	99.9	99.9
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 906

ATS PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/PAO

CEILING VERSUS VISIBILITY

22577 WHEELER AFB MI

68-70,73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 18000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 14000	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	47.2	47.2
≥ 12000	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	49.0	49.0	49.0
≥ 10000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 9000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 8000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 6000	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	52.2
≥ 5000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 4000	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	68.7	68.7	68.7
≥ 3500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 2500	82.2	83.6	83.6	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	87.0	89.2	89.7	90.0	90.3	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	87.9	90.2	90.7	90.9	91.4	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	89.4	92.1	92.7	92.9	93.5	93.6	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4
≥ 1200	90.5	93.4	94.0	94.4	95.0	95.5	95.8	95.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4
≥ 1000	91.3	94.4	95.0	95.4	96.2	96.7	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
≥ 900	91.5	94.7	95.4	95.7	96.6	97.0	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 800	91.6	94.9	95.7	96.1	97.0	97.6	98.1	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 700	91.6	95.0	95.9	96.4	97.2	97.8	98.5	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 600	91.6	95.0	96.0	96.5	97.4	97.9	98.6	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 500	91.6	95.1	96.0	96.5	97.4	98.1	98.8	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400	91.6	95.3	96.2	96.7	97.6	98.3	99.0	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300	91.6	95.3	96.2	96.7	97.6	98.3	99.0	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	91.6	95.3	96.2	96.7	97.6	98.3	99.0	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	91.6	95.3	96.2	96.7	97.6	98.3	99.0	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 0	91.6	95.3	96.2	96.7	97.6	98.3	99.0	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 906

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20210 WHEELER AFB HI

68-70,73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	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	49.1
≥ 18000	49.1	49.1	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
IV 15000	49.2	49.2	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
IV 14000	50.8	50.7	50.7	50.7	51.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 12000	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 10000	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 9000	54.4	54.5	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 8000	54.8	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 7000	55.4	55.7	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 6000	55.7	56.5	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 5000	60.2	60.8	60.9	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
IV 4500	63.4	64.1	64.1	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
IV 4000	68.2	68.7	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 3500	71.1	71.6	71.8	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
IV 3000	75.6	79.5	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500	82.3	83.7	84.1	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
IV 2000	86.4	89.0	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
IV 1800	90.8	90.8	91.5	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500	92.6	92.7	93.5	94.3	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	90.8	94.2	95.3	96.0	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1000	91.5	95.0	96.3	97.0	97.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	91.7	95.2	96.6	97.2	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 800	91.9	95.6	96.9	97.3	98.0	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	91.9	95.6	96.9	97.7	98.0	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	92.1	95.8	97.1	98.0	98.3	98.3	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	92.1	95.8	97.1	98.1	98.4	98.4	99.2	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	92.1	95.8	97.1	98.1	98.4	98.4	99.2	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	92.2	95.9	97.2	98.3	98.7	98.7	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	92.2	95.9	97.2	98.3	98.7	98.7	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	92.2	95.9	97.2	98.3	98.7	98.7	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.2	95.9	97.2	98.3	98.7	98.7	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 902

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22505 WHEELER AFB HI
STATION STATION NAME

66-70, 73-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	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	58.3	58.3	58.3
≥ 20000	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 3000	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 4000	60.1	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	60.3	60.3
IV 12000	62.2	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	62.5	62.5
IV 10000	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 9000	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 8000	65.2	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 7000	65.3	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 6000	65.8	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	66.3	66.3
IV 5000	68.9	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4500	69.7	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 4000	72.6	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 3500	75.9	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 3000	82.7	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	84.3	84.3
IV 2500	84.3	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2000	88.7	90.8	91.1	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1800	89.5	92.0	92.4	92.4	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	90.5	93.1	94.0	94.0	94.3	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	91.3	93.8	94.8	95.0	95.6	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000	92.0	94.7	95.7	95.8	96.7	96.8	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	92.1	95.1	96.1	96.2	97.0	97.2	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	92.4	95.3	96.3	96.4	97.4	97.5	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	92.4	95.4	96.6	96.7	97.8	97.9	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	92.5	95.6	97.0	97.1	98.3	98.4	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	92.6	95.8	97.4	97.5	98.8	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	92.6	95.8	97.5	97.7	98.9	99.0	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	92.6	95.8	97.5	97.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	92.6	95.8	97.5	97.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	92.6	95.8	97.5	97.7	99.0	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	92.6	95.8	97.5	97.7	99.0	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 813

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

HEELER AFB MI

STATION NAME

68-70, 73-79

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5-16	≥4	≥0
NO CEILING	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	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	60.4	60.4
≥ 18000	60.4	50.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	50.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 16000	60.4	50.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	50.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 14000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000	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	63.3	63.3
≥ 10000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 9000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 7000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 5000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	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	73.6	73.6	73.6
≥ 3500	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	82.6	83.3	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	84.8	86.2	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2000	91.0	92.7	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1800	93.2	94.9	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	93.6	95.8	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	94.1	96.3	96.7	96.9	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	94.1	96.3	96.7	96.9	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	94.3	96.5	96.5	97.1	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	94.3	96.7	97.1	97.4	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	94.3	96.7	97.1	97.4	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	94.3	96.7	97.4	97.6	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	94.3	96.7	97.4	97.6	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	94.3	96.7	97.4	97.6	98.7	98.7	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	94.3	96.7	97.4	97.6	98.7	98.7	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	94.3	96.7	97.4	97.6	98.7	98.7	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	94.3	96.7	97.4	97.6	98.7	98.7	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	94.3	96.7	97.4	97.6	98.7	98.7	99.3	99.3	99.3	99.6	99.6	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 455

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.5	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	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	50.5	50.5
≥ 20000	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 18000	52.6	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 16000	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	52.8	52.8	52.8
IV 14000	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6
IV 10000	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 9000	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9
IV 8000	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 7000	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9
IV 6000	59.0	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 5000	62.7	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	63.2	63.2
IV 4500	65.8	66.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4000	70.0	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 3500	73.2	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 3000	79.2	80.5	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1
IV 2500	82.5	84.1	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2000	87.0	89.4	90.0	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6
IV 1800	88.3	90.8	91.5	91.7	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1500	90.0	92.8	93.8	94.1	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200	90.9	93.9	94.7	95.3	95.9	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1000	91.3	94.7	95.7	96.2	96.9	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
IV 900	91.7	94.9	96.0	96.5	97.2	97.3	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 800	91.8	95.2	96.3	96.8	97.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.6	98.6
IV 700	91.9	95.2	96.4	96.9	97.7	97.9	98.4	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9	98.9
IV 600	92.1	95.4	96.6	97.2	98.0	98.2	98.7	99.0	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.3
IV 500	92.1	95.5	96.8	97.3	98.2	98.4	99.0	99.2	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.6
IV 400	92.2	95.6	96.9	97.5	98.4	98.6	99.2	99.4	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
IV 300	92.2	95.6	96.9	97.5	98.5	98.6	99.2	99.5	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9
IV 200	92.2	95.6	96.9	97.5	98.5	98.6	99.2	99.5	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9
IV 100	92.2	95.6	96.9	97.5	98.5	98.7	99.3	99.5	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0
IV 0	92.2	95.6	96.9	97.5	98.5	98.7	99.3	99.5	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4863

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22500 STATION WHEELER AFB HI 73 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

3300-0500
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 20000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 16000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 14000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 12000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 10000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 9000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 8000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING BRANCH
 USAF ETAC
 APO WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20577 WHEELER AFB HI
STATION STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-2800
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	57.7	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	57.7	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 16000	57.8	58.1	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	58.7	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000	59.4	60.0	60.1	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
≥ 10000	61.6	62.0	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	62.3
≥ 9000	61.8	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	62.2	62.5	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 7000	62.3	62.7	62.8	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
≥ 6000	62.5	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000	65.1	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	67.8	68.5	68.7	68.9	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	71.1	72.0	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
≥ 3500	74.2	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3000	77.5	79.1	79.7	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
≥ 2500	80.4	82.4	83.0	83.4	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	86.2	88.5	89.4	89.7	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	88.9	91.3	92.2	92.8	93.5	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500	91.2	93.9	95.1	95.8	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	91.5	94.6	95.7	95.6	98.1	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	91.6	94.9	96.1	97.1	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	91.6	94.9	96.1	97.1	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	91.6	94.9	96.1	97.1	98.6	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	91.6	94.9	96.1	97.1	98.6	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	91.6	94.9	96.1	97.2	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 790

DATA PROCESSING BRANCH
USAF ETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22008
STATION

WHEELER AFB HI
STATION NAME

66-70,73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS-151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	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	49.2	49.2
IV 20000	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 18000	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 16000	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 14000	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	57.2	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
IV 8000	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 7000	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 6000	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 5000	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4500	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 4000	68.6	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	68.7	68.7
IV 3500	73.2	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 3000	79.3	80.1	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 2500	82.4	83.3	83.6	83.6	83.7	83.7	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2
IV 2000	86.4	90.1	90.5	90.9	91.4	91.4	91.7	91.8	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1
IV 1800	90.1	92.0	92.6	92.9	93.5	93.6	94.0	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	90.1	92.9	93.6	94.2	94.9	95.0	95.6	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	91.7	94.1	95.0	95.6	96.8	97.5	97.6	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	92.0	94.7	95.3	96.1	97.3	97.6	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	92.1	94.4	95.4	96.2	97.4	97.8	98.3	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	92.2	94.7	95.6	96.5	97.6	98.0	98.6	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	92.2	94.7	95.6	96.5	97.6	98.1	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	92.2	94.8	95.7	96.6	97.8	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22502
STATION

WHEELER AFB HI
STATION NAME

68-79,73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
≥ 18000	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5
IV 16000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9
≥ 14000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2
IV 12000	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2
≥ 10000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2
IV 9000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8
≥ 8000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
IV 7000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1
≥ 6000	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
IV 5000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9
≥ 4500	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3
IV 4000	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1
≥ 3500	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
IV 3000	77.7	78.0	78.1	78.1	78.4	78.4	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	81.1	81.6	81.7	81.7	81.9	81.9	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
IV 2000	87.0	88.1	88.3	88.3	88.9	88.9	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	89.7	91.1	91.6	91.7	92.3	92.3	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	91.4	93.0	94.0	94.3	95.3	95.3	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	92.2	93.9	95.0	95.5	96.7	96.8	97.4	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000	92.3	94.0	95.4	95.9	97.2	97.3	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	92.7	94.3	95.7	96.3	97.6	97.8	98.5	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	92.7	94.4	95.9	96.5	97.8	97.9	98.7	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	92.7	94.4	95.9	96.5	97.8	97.9	98.7	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 346

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22878 WHEELER AFB MI

68-70,75-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1530-1700
 HOURS - LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 20000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 18000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 16000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 14000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 12000	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 10000	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	49.0	49.0	49.0
IV 9000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 8000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 7000	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 6000	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 5000	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 4500	60.8	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	60.9	60.9
IV 4000	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	65.9	65.9
IV 3500	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3000	80.6	81.1	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2500	85.1	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	89.9	90.9	91.4	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	92.1	93.1	93.8	94.3	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	93.3	94.4	95.7	96.3	96.6	96.8	96.9	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200	93.8	94.8	96.2	96.8	97.2	97.5	97.8	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	93.8	94.9	96.4	97.0	97.5	97.9	98.1	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	96.7
IV 900	93.8	95.0	96.6	97.2	97.6	98.0	98.2	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	93.8	95.0	96.6	97.2	97.6	98.0	98.2	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	93.8	95.0	96.6	97.2	97.6	98.0	98.2	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	93.8	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	93.8	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	93.8	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	93.8	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	93.8	95.1	96.7	97.4	98.1	98.5	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.8	95.1	96.7	97.4	98.1	98.5	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.8	95.1	96.7	97.4	98.1	98.5	98.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 845

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22300 WHEELER AFB HI

69-73, 73-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	54.9	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 20000	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 18000	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 16000	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000	58.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 12000	59.1	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	60.3	60.3
IV 10000	61.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 9000	61.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 8000	62.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 7000	62.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 6000	62.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 5000	63.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4500	64.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4000	68.6	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	69.7	69.7
IV 3500	73.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 3000	80.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 2500	83.2	85.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 2000	87.8	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1800	89.8	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	91.4	95.0	96.4	96.4	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200	91.4	95.4	96.8	96.8	96.9	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	91.8	95.9	97.3	97.3	97.4	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	91.8	95.9	97.4	97.4	97.6	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	91.9	96.0	97.6	97.6	97.7	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	92.0	96.1	97.7	97.7	97.8	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	92.0	96.1	97.7	97.8	97.9	98.7	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 776

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2016
 STATION

A-LELEP AFB HI
 STATION NAME

68-73,73-79
 YEARS

FEB
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.7	≥ 1.4	≥ 1	≥ .5	≥ .3	≥ .16	≥ .1	≥ 0	
NO CEILING	56.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	
≥ 20000	58.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	
≥ 18000	58.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	
≥ 16000	58.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	
≥ 14000	58.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
≥ 12000	59.4	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	61.5	
≥ 10000	60.1	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	
≥ 9000	60.1	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	
≥ 8000	61.2	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	
≥ 7000	61.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	
≥ 6000	62.6	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
≥ 5000	62.6	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
≥ 4500	64.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
≥ 4000	67.6	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	69.8	
≥ 3500	71.9	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	74.4	
≥ 3000	75.2	81.4	81.4	81.4	81.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
≥ 2500	81.2	84.4	84.4	84.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	
≥ 2000	86.4	90.7	90.7	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
≥ 1800	89.6	94.1	94.1	94.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	
≥ 1500	91.2	96.6	96.6	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
≥ 1200	92.1	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
≥ 1000	92.1	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
≥ 900	92.1	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
≥ 800	92.1	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
≥ 700	92.1	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
≥ 600	92.3	98.0	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
≥ 500	92.3	98.0	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
≥ 400	92.3	98.0	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
≥ 300	92.3	98.0	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
≥ 200	92.3	98.0	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
≥ 100	92.3	98.0	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
≥ 0	92.3	98.0	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	

TOTAL NUMBER OF OBSERVATIONS 441

DATA PROCESSING BRANCH
 USAF ETAC
 AIR MATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22526
 STATION

WHEELER AFB HI
 STATION NAME

66-70,73-79
 YEARS

FEB
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 YEARS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 20000	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 18000	52.4	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 15000	52.5	53.1	53.1	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 14000	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 12000	54.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 10000	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 9000	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 7000	57.5	57.9	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
IV 6000	58.2	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 5000	60.7	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 4500	64.2	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	64.8	64.8
IV 4000	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 3500	72.8	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3000	79.3	80.2	80.6	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2500	82.4	83.8	84.1	84.2	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	87.8	89.7	90.2	90.4	90.8	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1800	90.0	92.3	92.9	93.2	93.7	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	91.4	94.1	95.1	95.6	96.2	96.4	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IV 1200	92.1	94.8	96.1	96.4	97.3	97.6	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	92.2	95.1	96.3	96.8	97.8	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	92.3	95.2	96.4	97.0	97.9	98.3	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	92.4	95.3	96.5	97.1	98.0	98.4	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	92.4	95.3	96.5	97.1	98.2	98.5	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 600	92.4	95.4	96.6	97.3	98.3	98.6	99.2	99.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	92.5	95.4	96.7	97.4	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4550

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22578
STATION

WHEELER AFB HI
STATION NAME

73.78
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3830-0200
HOURS LIST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
≥ 20000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 18000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 16000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 14000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 12000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 10000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 9000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 8000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 7000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 6000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 5000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 4500					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 4000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 3500					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 3000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 2500					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 2000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 1800					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 1500					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 1200					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 1000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 900					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 800					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 700					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 600					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 500					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 400					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 300					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 200					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 100					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 0					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22578
STATION

WHEELER AFB HI
STATION NAME

63,73,76
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

3300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.3	≥.16	≥.1	≥0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2500	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2000	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1800	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1500	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1200	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1000	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 900	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 800	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WHEELER AFB HI

68-70,73-79

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3632-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000	52.1	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 18000	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	52.9	52.9	52.9
IV 16000	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	52.9	52.9	52.9
IV 14000	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 12000	54.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 10000	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 9000	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 8000	56.9	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
IV 7000	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 6000	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 5000	58.4	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 4500	61.7	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	62.6
IV 4000	65.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 3500	69.2	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 3000	73.4	75.6	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 2500	77.3	78.6	79.2	79.4	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 2000	84.1	87.3	88.9	89.4	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	85.6	89.8	91.0	91.6	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1500	88.1	92.9	94.5	95.2	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	88.9	93.9	95.7	96.4	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	89.2	94.3	96.1	96.8	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	89.3	94.4	96.2	96.9	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	89.4	94.5	96.4	97.1	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	89.4	94.5	96.5	97.2	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	89.4	94.5	96.5	97.2	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	89.4	94.5	96.5	97.2	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	89.5	94.7	96.6	97.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	89.5	94.7	96.6	97.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	89.5	94.7	96.6	97.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	89.5	94.7	96.6	97.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	89.5	94.7	96.6	97.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 579

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22500
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	42.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	45.9	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 18000	46.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 16000	46.5	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
IV 14000	47.4	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	48.1	48.1
IV 12000	48.0	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 10000	49.9	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 9000	49.1	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 8000	50.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 7000	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 6000	51.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 5000	52.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 4500	56.5	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 4000	62.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 3500	68.6	70.2	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 3000	74.5	77.0	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500	79.2	81.6	82.0	82.2	82.2	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2000	86.8	89.7	90.2	90.3	90.4	90.5	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	88.2	91.2	92.3	92.5	92.7	92.9	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	88.9	92.5	94.1	94.5	95.3	95.5	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	89.8	93.7	95.3	96.0	97.0	97.2	98.4	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	89.9	93.8	95.6	96.1	97.1	97.3	98.5	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	90.1	94.0	95.9	96.5	97.4	97.6	98.8	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	90.2	94.1	96.0	96.6	97.5	97.7	98.9	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	90.2	94.1	96.2	96.8	97.7	98.0	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	90.2	94.1	96.2	96.8	97.7	98.0	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22503
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥.16	≥.	≥0
NO CEILING	39.4	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	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 18000	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 16000	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 12000	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 10000	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 9000	45.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 8000	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 7000	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 6000	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 5000	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4500	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 4000	64.2	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 3500	70.1	70.9	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3000	76.3	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	81.9	83.1	83.9	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	89.1	91.4	92.4	92.5	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	91.5	94.0	94.9	95.0	95.3	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	92.4	95.2	96.3	96.4	97.0	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	92.7	95.8	97.3	97.4	98.0	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 1000	92.8	95.9	97.4	97.5	98.1	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4
≥ 900	93.0	96.1	97.7	97.8	98.4	98.7	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 800	93.0	96.1	97.7	97.8	98.4	98.7	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 700	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 600	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 500	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

27503
 STATION

HEELER AFB HI
 STATION NAME

68-70, 73-79
 YEARS

MAR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
 HOURS EST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.7	≥.6	≥.5	≥.4	≥.3
NO CEILING	41.3	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	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 18000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 16000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 14000	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 12000	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 10000	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 9000	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 8000	49.4	49.5	49.5	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
IV 7000	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 6000	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 5000	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 4500	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4000	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 3500	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2500	86.4	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2000	91.4	92.7	92.9	93.0	93.2	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1800	93.5	95.2	95.4	95.5	95.7	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	95.5	97.5	97.7	97.8	98.3	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	95.7	97.8	98.1	98.2	98.6	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	95.7	97.8	98.1	98.2	98.6	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	95.7	97.8	98.1	98.2	98.6	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	95.8	98.0	98.3	98.4	98.8	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHL R AFB HI
STATION NAME

66-70,73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1330-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 18000	47.3	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 16000	47.3	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 14000	48.1	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 12000	49.0	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	49.9	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 9000	49.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 8000	50.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 7000	50.8	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 6000	52.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 5000	54.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 4500	59.3	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 4000	63.6	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 3500	69.5	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3000	76.6	79.2	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 2500	79.9	82.7	82.7	82.7	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 2000	87.3	91.1	91.1	91.1	91.9	91.9	91.9	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1800	90.0	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	92.5	96.9	96.9	96.9	98.6	98.6	98.6	98.6	98.6	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 1200	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.8	99.8	99.8
IV 1000	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.9	99.9	99.9
IV 900	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.9	99.9	99.9
IV 800	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.9	99.9	99.9
IV 700	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5	99.5	99.9	99.9	99.9
IV 600	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5	99.5	99.9	99.9	99.9
IV 500	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5	99.5	99.9	99.9	99.9
IV 400	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5	99.5	99.9	99.9	99.9
IV 300	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5	99.5	99.9	99.9	99.9
IV 200	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5	99.5	99.9	99.9	99.9
IV 100	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5	99.5	99.9	99.9	99.9
IV 0	92.6	97.3	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5	99.5	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 880

DATA PROCESSING BRANCH
 USAF ETAC
 AFW-WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20378
STATION

WHEELER AFB HI
STATION NAME

58-70,73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	47.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	49.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 18000	49.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 16000	49.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 14000	49.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 12000	50.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 10000	51.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 9000	52.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 8000	53.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 7000	53.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 6000	54.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 5000	54.5	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 4500	59.1	61.8	61.8	61.8	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 4000	62.3	65.4	65.4	65.4	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 3500	66.5	70.2	70.2	70.6	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 3000	71.5	76.3	76.3	76.9	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 2500	75.3	80.1	80.1	80.7	81.1	81.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2000	82.8	89.7	89.7	90.8	91.4	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	84.3	91.4	91.4	92.5	93.1	93.1	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	88.1	96.0	96.0	97.5	98.1	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1200	88.5	96.6	96.6	97.7	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 500	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 300	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 200	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 100	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 0	88.5	96.6	96.6	97.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 477

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22038
 STATION

WHEELER AFB HI
 STATION NAME

68-70, 73-79
 YEARS

MAR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	43.4	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 20000	46.9	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6
IV 18000	47.2	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
IV 16000	47.2	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
IV 14000	47.9	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6
IV 12000	48.9	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 10000	49.6	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4
IV 9000	50.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 8000	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 7000	51.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 6000	52.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3
IV 5000	54.4	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3
IV 4500	59.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
IV 4000	64.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9
IV 3500	69.9	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.8	71.8	71.8	71.8	71.8	71.8
IV 3000	76.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	80.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	83.3	83.3	83.3	83.3	83.3	83.3
IV 2000	87.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	91.9	91.9	91.9	91.9	91.9	91.9
IV 1800	89.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	91.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	91.8	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	91.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	91.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	91.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	91.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	91.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	91.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	91.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	91.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	91.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	91.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	91.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 5030

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22513
STATION

WHEELER AFB HI
STATION NAME

78
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22572
 STATION

WHEELER AFB MI
 STATION NAME

75.78
 YEARS

APP
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
 HOURS (LT)

CEILING -FEET	VISIBILITY -STATUTE MILES-															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.5	≥1	≥.7	≥.5	≥.3	≥.2	≥.1	≥0
NO CEILING	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 18000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 16000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 14000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 12000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 10000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 9000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 8000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 7000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 6000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4500	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 9

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22112
STATION

WHEELER AFB HI
STATION NAME

66-70,73-79
YEARS

APP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0600
HOURS EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING IV 20000	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 18000 IV 16000	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 14000 IV 12000	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 10000 IV 9000	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 8000 IV 7000	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 6000 IV 5000	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 4500 IV 4000	59.8	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 3500 IV 3000	69.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 2500 IV 2000	75.7	77.2	77.2	77.2	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 1800 IV 500	85.0	91.4	92.7	93.3	93.4	93.5	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200 IV 1000	92.1	95.9	97.5	98.1	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900 IV 800	92.1	95.9	97.5	98.1	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700 IV 600	92.1	96.0	97.7	98.3	98.7	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500 IV 400	92.3	96.3	98.0	98.6	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300 IV 200	92.3	96.3	98.0	98.6	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100 IV 0	92.3	96.3	98.0	98.6	98.9	99.3	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 835

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

WHEELER AFB 41
STATION NAME

68-73,73-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

C. 60-1100
FORM 137

CEILING -FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.1	≥0	
NO CEILING	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.7	39.6	39.6	39.6	39.6	39.6	39.6	39.6	
IV 20000	44.6	44.7	44.7	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	
IV 18000	44.6	44.7	44.7	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	
IV 16000	44.6	45.0	45.0	45.0	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	
IV 14000	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	45.4	45.4	
IV 12000	45.0	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	
IV 10000	47.1	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	
IV 9000	47.1	47.5	47.5	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
IV 8000	48.0	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	
IV 7000	48.4	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	
IV 6000	49.0	49.6	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	
IV 5000	51.8	52.3	52.3	52.3	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	
IV 4500	57.9	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	
IV 4000	64.7	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	
IV 3500	69.7	71.0	71.0	71.0	71.0	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	
IV 3000	73.8	75.1	75.1	75.1	75.1	75.1	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	
IV 2500	77.4	79.4	80.0	80.1	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	
IV 2000	85.1	88.4	89.1	89.3	90.2	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	
IV 1800	88.3	91.9	92.5	92.8	93.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
IV 1500	89.9	94.2	94.7	95.3	96.3	96.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
IV 1200	90.8	95.7	96.4	97.0	98.1	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
IV 1000	90.9	96.0	96.6	97.2	98.3	98.4	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	
IV 900	90.9	96.0	96.6	97.2	98.3	98.4	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	
IV 800	91.3	96.3	97.0	97.5	98.7	98.8	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	
IV 700	91.3	96.3	97.0	97.5	98.7	98.8	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	
IV 600	91.3	96.3	97.0	97.5	98.7	98.8	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	
IV 500	91.3	96.3	97.0	97.5	98.7	98.8	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	
IV 400	91.3	96.3	97.0	97.5	98.7	98.8	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	
IV 300	91.3	96.3	97.0	97.5	98.7	98.8	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	
IV 200	91.3	96.3	97.0	97.5	98.7	98.8	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	
IV 100	91.3	96.3	97.0	97.5	98.7	98.8	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	
IV 0	91.3	96.3	97.0	97.5	98.7	98.8	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 894

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/44C

CEILING VERSUS VISIBILITY

26515 WHEELER AFB MI

68-70,73-79

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	35.2	35.3	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.6	35.6	35.8	35.8
IV 20000	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
IV 18000	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	40.1	40.1	40.1
IV 16000	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 14000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 12000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 10000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 9000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 8000	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 7000	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 6000	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 5000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 4500	55.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 4000	62.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 3500	68.4	69.9	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	70.1
IV 3000	73.1	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 2500	79.2	81.4	81.4	81.6	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 2000	89.9	92.9	93.5	93.8	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1800	92.2	95.9	96.4	96.8	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1500	93.1	97.1	97.5	98.0	98.5	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	93.3	97.3	97.9	98.3	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	93.3	97.3	97.9	98.3	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	93.3	97.3	97.9	98.3	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	93.3	97.3	97.9	98.3	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	93.3	97.3	97.9	98.3	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	93.3	97.3	97.9	98.3	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	93.3	97.3	97.9	98.3	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 893

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22103
STATION

WHEELER AFB HI
STATION NAME

63-70, 73-70
YEARS

APP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 20000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 18000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 16000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 14000	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 12000	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	46.8	46.8
IV 10000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 9000	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	47.9
IV 8000	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	49.1
IV 7000	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	49.2
IV 6000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 5000	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 4500	59.2	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 4000	64.8	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 3500	69.4	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 3000	76.6	77.2	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 2500	82.1	83.1	83.6	83.6	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2000	94.1	96.0	96.4	96.5	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1800	95.0	97.1	97.5	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	95.5	98.2	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	95.6	98.3	99.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	95.6	98.3	99.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	95.6	98.3	99.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	95.6	98.3	99.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.6	98.3	99.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 394

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

DATE: WHEELER AFB HI

66-70, 73-79

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1530-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	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	41.1	41.1
≥ 20000	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 18000	44.9	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 16000	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 14000	46.1	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	46.4
IV 12000	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 10000	49.9	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
IV 9000	49.9	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 8000	50.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000	50.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 6000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 5000	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4500	56.6	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
IV 4000	62.9	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	63.5	63.5
IV 3500	67.1	68.6	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	68.7
IV 3000	75.2	77.2	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 2500	77.7	80.9	80.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 2000	89.4	92.9	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	91.2	94.1	95.5	95.5	95.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200	93.3	97.9	98.7	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	93.4	97.6	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	93.7	98.1	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	93.7	98.1	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	93.7	98.1	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	93.7	98.1	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	93.7	98.1	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	93.7	98.0	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	93.7	98.0	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	93.7	98.0	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.7	98.0	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.7	98.0	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 830

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

02:16 WHEELER AFB HI

68-73,73-79

APC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0	
NO CEILING	42.3	43.2	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	
≥ 20000	44.7	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	46.3	
≥ 18000	45.2	46.3	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	
≥ 16000	45.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	
≥ 14000	46.3	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	
≥ 12000	48.1	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	
≥ 10000	48.9	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	
≥ 9000	49.3	50.7	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	
≥ 8000	49.3	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
≥ 7000	49.6	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
≥ 6000	49.6	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
≥ 5000	50.7	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	
≥ 4500	53.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	
≥ 4000	57.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	
≥ 3500	64.1	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
≥ 3000	69.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	
≥ 2500	72.1	78.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	
≥ 2000	84.0	93.8	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	
≥ 1800	86.8	93.8	94.7	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
≥ 1500	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 1200	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 1000	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 900	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 800	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 700	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 600	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 500	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 400	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 300	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 200	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 00	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 0	88.8	96.3	98.0	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	

TOTAL NUMBER OF OBSERVATIONS 456

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERV CE/MAC

CEILING VERSUS VISIBILITY

22918
 STATION

WHEELER AFB HI
 STATION NAME

66-70,77 79
 YEARS

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	≥½	≥¼	≥5/16	≥.1	≥0
NO CEILING	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 18000	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 16000	44.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 14000	45.2	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 12000	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 10000	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 9000	48.6	48.9	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
IV 8000	49.1	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	49.6	49.6
IV 7000	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 6000	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 5000	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	52.9	52.9	52.9
IV 4500	57.4	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 4000	63.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 3500	68.4	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 3000	73.8	75.6	76.0	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 2500	77.9	80.2	80.6	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 2000	86.4	91.7	92.3	92.6	92.9	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1800	90.7	94.3	95.0	95.3	95.6	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	92.2	96.3	97.3	97.7	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	92.4	96.9	97.9	98.4	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	92.7	97.0	98.0	98.4	99.0	99.1	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	92.7	97.1	98.1	98.5	99.1	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	92.8	97.1	98.2	98.6	99.2	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	92.8	97.1	98.2	98.6	99.2	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	92.8	97.2	98.3	98.7	99.3	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4017

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22008
STATION

WHEELER AFB HI
STATION NAME

73,76
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS UST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25-1.0	≥.1	≥0	
NO CEILING	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 20000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 18000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 16000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 14000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 12000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 10000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 9000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 8000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 7000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 6000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 5000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 4500	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 4000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
IV 3500	25.0	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	
IV 3000	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 2500	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 2000	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1800	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1500	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1200	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1000	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 900	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 800	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 700	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 600	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 500	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 400	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 300	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 200	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 100	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 0	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 4

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22500
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.1	≥0
NO CEILING	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 12000	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 9000	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 8000	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 7000	62.0	62.0	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	62.3
IV 6000	62.5	62.5	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
IV 5000	64.1	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 4500	68.1	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	68.7
IV 4000	73.6	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 3500	77.2	76.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 3000	81.4	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2500	84.7	85.9	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 2000	91.5	93.3	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	94.3
IV 1800	93.2	95.4	96.5	96.6	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1500	93.9	96.6	97.8	97.9	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1200	94.3	97.0	98.4	98.5	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	94.5	97.2	98.6	98.7	99.1	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	94.5	97.2	98.6	98.7	99.1	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9
IV 200	94.5	97.2	98.6	98.7	99.1	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9
IV 100	94.5	97.2	98.6	98.7	99.1	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0
IV 0	94.5	97.2	98.6	98.7	99.1	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 656

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22808 WHEELER AFB HI

66-70,73-79

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
 HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.5	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 18000	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 16000	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 14000	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 12000	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 10000	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 9000	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 8000	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 7000	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 6000	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 4500	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4000	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	78.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3000	83.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2500	89.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000	93.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1800	95.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	95.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	95.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 926

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22502
STATION

APELER AFB HI
STATION NAME

68-70,73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS EST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 20000	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 18000	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 16000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 14000	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 12000	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	46.8	46.8
IV 10000	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 9000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 8000	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	49.2
IV 7000	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 6000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 5000	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 4500	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 4000	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 3500	71.2	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	79.8	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 2500	88.0	89.2	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
IV 2000	94.0	95.9	96.3	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1800	94.8	97.1	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	95.3	96.1	96.7	97.0	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200	95.3	98.1	98.7	99.0	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	95.3	98.1	98.7	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	95.3	98.1	98.7	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	95.3	98.1	98.7	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 700	95.3	98.1	98.7	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
IV 600	95.3	98.1	98.7	99.0	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 500	95.3	98.1	98.7	99.0	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 400	95.3	98.1	98.7	99.0	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	95.3	98.1	98.7	99.0	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	95.3	98.1	98.7	99.0	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	95.3	98.1	98.7	99.0	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	95.3	98.1	98.7	99.0	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 928

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

WHEELER AFB HI
STATION NAME

65-70,73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 20000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 18000	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 16000	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 14000	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 12000	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	45.6
IV 10000	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 9000	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 8000	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 7000	47.8	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	48.1	48.1
IV 6500	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 5000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4500	59.9	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	60.3	60.3
IV 4000	66.9	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 3500	70.8	71.4	71.4	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
IV 3000	79.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 2500	86.1	87.6	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	93.2	95.5	95.7	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	94.3	96.1	97.2	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	94.9	97.1	98.2	98.5	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	95.1	97.2	98.5	98.8	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	95.1	97.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	95.1	97.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	95.1	97.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.1	97.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

225.0
STATION

WHEELER AFB HI
STATION NAME

68-75,73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2600
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	42.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	48.5	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 18000	48.9	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	49.3
≥ 16000	48.9	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	49.3
≥ 14000	49.8	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	50.4	50.8	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
≥ 10000	52.2	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	52.4	52.5	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 8000	53.3	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	53.3	53.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 6000	53.7	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 5000	55.3	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500	60.5	61.1	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	61.5
≥ 4000	68.7	68.6	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 3500	71.5	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3000	79.3	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	83.3	84.7	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2000	91.1	93.1	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	94.8
≥ 1800	93.5	95.6	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	94.4	96.7	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 900	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 800	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 700	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 600	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 500	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 400	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 300	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 200	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 100	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 0	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 845

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WHEELER AFB MI

65-70, 73-79

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS UTC

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0.15	≥0.1
NO CEILING	49.4	49.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	51.1	51.5	51.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 18000	51.1	51.5	51.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 16000	51.1	51.5	51.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 14000	52.1	52.6	53.1	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 12000	53.0	53.4	53.8	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 10000	54.1	54.5	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 9000	54.1	54.5	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 8000	56.0	56.4	56.8	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 7000	56.0	56.4	56.8	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 6000	56.0	56.4	56.8	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 5000	57.1	57.5	58.1	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 4500	61.1	62.2	62.6	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 4000	66.9	67.5	68.2	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 3500	72.0	73.5	74.1	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3000	76.1	78.2	78.8	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2500	80.6	83.1	84.0	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	88.7	92.8	93.8	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800	90.8	94.7	95.9	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1500	91.9	95.9	97.2	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
IV 1200	92.3	96.8	97.9	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	92.3	96.8	97.9	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	92.3	96.8	97.9	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	92.3	96.8	97.9	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	92.3	96.8	97.9	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	92.3	96.8	97.9	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	92.3	96.8	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	92.3	96.8	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	92.3	97.0	98.3	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	92.3	97.0	98.3	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	92.3	97.0	98.3	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	92.3	97.0	98.3	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 458

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22510
 STATION

WHEELER AFB MI
 STATION NAME

65-7C, 73-7°
 YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1.3	≥1.2	≥1.1	≥1.0	≥0.9	≥0.8	≥0.7
NO CEILING	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 20000	49.6	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 18000	49.4	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	49.7
IV 16000	49.4	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	49.7	49.7
IV 14000	50.2	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	50.5
IV 12000	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 10000	52.3	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 9000	52.6	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 8000	53.5	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 7000	54.0	54.1	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
IV 6000	54.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 5000	56.6	56.9	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
IV 4500	62.7	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 4000	69.4	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 3500	73.5	74.5	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 3000	80.2	81.5	81.8	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
IV 2500	85.8	87.3	87.7	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000	92.4	94.7	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1800	93.5	96.4	97.3	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1500	94.5	97.3	98.3	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	94.7	97.5	98.6	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	94.7	97.6	98.6	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 900	94.7	97.6	98.6	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 800	94.7	97.6	98.6	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 700	94.7	97.6	98.6	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 600	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 500	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 400	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 300	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 200	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 100	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 0	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 4957

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

02978
 STATION

WHEELER AFB HI
 STATION NAME

69,73-74
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
 HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 16000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4500	57.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 4000	57.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 3500	71.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3000	71.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500	71.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2000	71.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1800	71.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1500	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22518
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	43.2	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 18000	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 16000	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 14000	49.6	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 12000	50.1	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 10000	51.0	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 9000	51.0	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 8000	51.0	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 7000	51.0	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 6000	53.0	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 5000	54.1	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 4500	58.5	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 4000	56.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3500	70.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	75.4	77.0	77.0	77.0	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 2500	77.4	79.2	79.2	79.2	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000	87.8	91.1	91.1	91.1	92.2	92.2	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1800	89.8	93.7	93.7	93.7	94.7	94.7	94.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500	91.6	96.8	96.8	96.8	98.1	98.1	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	91.9	97.1	97.1	97.1	98.3	98.3	98.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	92.0	97.2	97.2	97.2	98.6	98.6	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 336

DATA PROCESSING SECTION
 USAF ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22 00 WHEELER AFB HI

06-70,73-79

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
 2004 13

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	37.5	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 20000	43.5	43.5	43.5	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 18000	43.8	43.8	43.8	43.8	43.8	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 16000	43.8	43.8	43.8	43.8	43.8	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 14000	43.9	43.9	43.9	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
IV 12000	45.0	45.0	45.0	45.0	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 10000	46.1	46.1	46.1	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 9000	46.3	46.3	46.3	46.3	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 8000	46.7	46.7	46.7	46.7	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 7000	47.0	47.0	47.0	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 6000	48.0	48.0	48.0	48.0	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 5000	50.6	50.6	50.6	50.6	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 4500	55.7	55.7	55.7	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 4000	66.3	66.3	66.3	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 3500	71.5	71.5	71.5	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3000	78.8	78.8	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	83.5	83.5	83.5	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2000	92.7	92.7	92.7	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	94.5	94.5	94.5	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500	95.0	95.0	95.0	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 900	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 800	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 700	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 600	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 500	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 400	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 300	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 200	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 100	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 0	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS 896

DATA PROCESSING BRANCH
 USAF ETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WHEELER AFB HI

68-73,73-79

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.3	≥0.2	≥0.1	≥0.05	≥0.03	≥0.02
NO CEILING	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 18000	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 16000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 14000	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
IV 12000	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 10000	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 9000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 8000	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 7000	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 6000	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 5000	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 4500	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	58.4
IV 4000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 3500	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 3000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 2500	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	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	97.7
IV 1500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

897

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22000 WHEELER AFB NE

66-70,73-79

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING ≥ 20000	41.3	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
IV 2000	46.3	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 3000	46.7	46.9	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
IV 4000	47.1	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	47.2
IV 5000	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 6000	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 7000	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 8000	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 9000	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 10000	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 12000	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 14000	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	62.5	62.5	62.5
IV 15000	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 16000	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 17000	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 18000	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 19000	96.4	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 2000	97.0	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	97.0	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	97.2	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200	97.3	98.4	98.8	99.1	99.3	99.3	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 896

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

62-73,73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	45.2	45.2	45.3	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	51.2	51.2	51.3	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
≥ 18000	51.6	51.6	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	51.6	51.6	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	52.0	52.0	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 12000	52.7	52.7	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 10000	54.7	54.7	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 9000	55.0	55.0	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 8000	55.7	55.7	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 7000	56.0	56.0	56.1	56.1	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 6000	56.4	56.4	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 5000	58.6	58.6	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 4500	63.7	63.7	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4000	69.0	69.0	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3500	73.9	73.9	73.9	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	81.9	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	85.9	86.9	86.9	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	94.2	95.9	95.9	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	95.3	96.6	96.7	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	96.1	97.6	97.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	96.1	97.6	98.3	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
≥ 1000	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 900	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 800	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 700	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 600	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 500	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	96.1	97.6	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

823

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
 STATION

WHEELER AFB HI
 STATION NAME

68-70,73-79
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS U.S.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	45.1	47.8	47.8	47.8	42.2	43.2	42.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 20000	48.2	51.1	51.1	51.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 18000	48.2	51.1	51.1	51.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 16000	48.2	51.1	51.1	51.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 14000	48.4	51.3	51.3	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
IV 12000	48.9	51.8	51.8	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 10000	49.1	52.0	52.0	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 9000	50.2	53.1	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 8000	50.2	53.1	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 7000	50.2	53.1	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 6000	50.2	53.1	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 5000	51.1	54.0	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 4500	54.5	57.4	57.6	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 4000	61.7	65.7	65.9	65.9	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 3500	64.8	68.8	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 3000	72.2	73.0	76.3	76.3	78.5	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 2500	76.7	82.5	82.7	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2000	86.5	93.7	94.6	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1800	88.3	95.7	96.6	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500	89.7	97.5	98.4	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 446

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22503
STATION

WHEELER AFB HI
STATION NAME

68-73,73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS LS.

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.20
NO CEILING	41.1	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	46.5	46.9	46.9	46.9	46.9	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 18000	46.9	47.2	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 16000	47.0	47.3	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 1500	47.2	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1200	47.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 10000	48.8	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	49.4
IV 9000	49.1	49.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 8000	49.6	50.0	50.0	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 7000	50.0	50.3	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
IV 6000	50.5	50.9	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 5000	53.1	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 4500	59.8	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 4000	66.8	67.5	67.6	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 3500	71.5	72.3	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3000	78.7	80.0	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2500	84.1	85.5	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 2000	92.7	94.5	95.3	95.6	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1800	93.9	96.3	96.8	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
IV 1500	94.7	97.6	98.2	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
IV 1200	94.8	97.9	98.6	99.1	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 900	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 800	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 700	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 600	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 500	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 400	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 300	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV J	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4601

DATA PROCESSING BRANCH
 USAF ETAC
 ACP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

75,78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-2400
HOURS U.S.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5/6	≥.4	≥0	
NO CEILING	22.6	26.5	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 20000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 18000	22.6	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 16000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 14000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 12000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 10000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 9000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 8000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 7000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 6000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 5000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 4500	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 4000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 3500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

WHEELER AFB HI
STATION NAME

74,76-75
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

C370-C500
HOURS EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 12000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

22576
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-3000
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV ≥ 18000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV ≥ 16000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV ≥ 14000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV ≥ 12000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV ≥ 10000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV ≥ 9000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV ≥ 8000	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	59.6	59.6
IV ≥ 7000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV ≥ 6000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV ≥ 5000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV ≥ 4500	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV ≥ 4000	71.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV ≥ 3500	76.2	77.2	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV ≥ 3000	81.9	83.1	83.1	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV ≥ 2500	84.4	86.1	86.2	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 2000	90.3	93.3	93.7	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV ≥ 1800	92.6	95.9	96.4	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV ≥ 1500	93.4	97.1	97.8	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
IV ≥ 1200	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 1000	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 900	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 800	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 700	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 600	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 500	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 400	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 300	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 200	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 100	93.6	97.7	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 0	93.6	97.7	98.4	99.4	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 854

DATA PROCESSING BRANCH
 USAF ETAC
 ALA WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20508
STATION

AFCELER AFB HI
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.16	≥.1	≥0
NO CEILING	47.1	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	47.2
≥ 26300	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 18000	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 16000	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 14000	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 12000	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 10000	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	51.8	51.8
IV 9000	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	51.8	51.8
IV 8000	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 7000	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 6000	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 5000	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 4500	63.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 4000	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3500	77.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3000	82.8	84.4	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	84.6
IV 2500	86.6	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 2000	91.9	94.3	94.7	94.9	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1800	94.1	97.0	97.4	97.6	97.7	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1500	94.4	97.6	98.3	98.6	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	94.6	97.8	98.5	99.0	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	94.6	97.8	98.5	99.0	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	94.6	97.8	98.5	99.0	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

DATA PROCESSING BRANCH
 USAF ETAC
 ACP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22816 WHEELER AFB HI 66-70,73-79 JUL
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	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 18000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 16000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 14000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 12000	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 10000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 9000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 8000	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 7000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 6000	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	56.9	56.9	56.9
IV 5000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4500	67.9	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	68.1	68.1
IV 4000	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3500	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3000	86.3	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2500	90.8	91.8	91.8	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 2000	96.5	97.9	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800	97.4	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	97.4	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	97.4	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	97.4	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	97.4	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	97.4	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 925

DATA PROCESSING BRANCH
 USAF ETAC
 41- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	51.4	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	54.2	54.2	54.2	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
IV 18000	54.3	54.3	54.3	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 16000	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 14000	55.2	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 12000	56.1	56.1	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 10000	57.0	57.2	57.2	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 9000	57.2	57.3	57.3	57.3	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 8000	57.7	57.8	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 7000	58.7	58.8	58.8	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 6000	59.7	59.8	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 5000	61.8	61.7	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 4500	68.0	68.1	68.1	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4000	75.3	75.5	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 3500	79.3	79.6	79.6	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3000	85.9	86.2	86.3	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2500	90.0	91.4	91.6	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 2000	95.4	97.2	97.5	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	96.4	98.4	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	96.7	98.7	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.0	98.9	99.3	99.8	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 922

DATA PROCESSING BRANCH
 AF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22514 WHEELER AFB MI

58-79,73-79

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-2600
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	54.7	55.0	55.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 18000	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 16000	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 14000	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 12000	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 10000	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 9000	59.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 8000	60.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 7000	60.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 6000	61.9	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 5000	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 4500	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3500	76.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 3000	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1200	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 800	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 600	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 500	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 400	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 200	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 100	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 0	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 827

DATA PROCESSING BRANCH
 USAF ETAC
 AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2.000

WHEELER AFB HI

58-70,73-79

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0	
NO CEILING	54.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	
≥ 20000	54.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
≥ 8000	54.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
≥ 6000	54.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
≥ 4000	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	
≥ 2000	55.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	
≥ 1000	55.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
≥ 900	55.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
≥ 8000	55.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
≥ 7000	56.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	
≥ 6000	56.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	
≥ 5000	58.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	
≥ 4500	60.0	63.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	
≥ 4000	64.7	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	
≥ 3500	67.8	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	
≥ 3000	75.8	80.4	80.8	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	
≥ 2500	77.0	83.4	83.9	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	
≥ 2000	85.7	93.8	94.3	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
≥ 1800	86.5	95.6	96.0	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
≥ 1500	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 1200	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 900	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 800	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 700	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 600	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 500	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 400	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 300	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 200	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 00	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
0	27.9	97.1	97.8	98.9	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 453

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22014
 STATION

WHEELER AFB 43
 STATION NAME

65-70,73-79
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 DATA

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0	≥0
NO CEILING	51.2	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 20000	52.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000	53.3	54.2	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 15000	53.7	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 14000	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 12000	55.4	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	56.1	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 9000	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 8000	56.8	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
IV 7000	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 6000	58.1	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 5000	59.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 4500	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4000	71.9	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 3500	75.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3000	83.7	84.7	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2500	86.8	88.8	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	92.7	95.3	95.8	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1800	94.2	97.4	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	94.3	98.2	98.7	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	94.9	98.4	98.9	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
IV 900	94.9	98.4	98.9	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
IV 800	94.9	98.4	98.9	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
IV 700	94.9	98.4	98.9	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
IV 600	94.9	98.4	98.9	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
IV 500	94.9	98.4	98.9	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
IV 400	94.9	98.4	98.9	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
IV 300	94.9	98.4	98.9	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
IV 200	94.9	98.4	98.9	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
IV 100	94.9	98.4	98.9	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
IV 0	94.9	98.4	98.9	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

TOTAL NUMBER OF OBSERVATIONS 4923

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22518
STATION

WHEELER AFB HI
STATION NAME

67,74,77-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 16	≥¼	≥0
NO CEILING	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 20000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 18000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 16000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 14000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 12000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 10000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 9000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 8000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 7000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 4500	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 4000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 3500	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 3000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 2500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 2000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 10

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
 STATION

WHEELER AFB HI
 STATION NAME

67-70,73-78
 YEARS

ALG
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	54.2	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	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	58.1	58.1	58.1
IV 18000	58.0	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 16000	56.2	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 14000	59.2	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 12000	59.8	60.1	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	60.3
IV 10000	61.1	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	61.2	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 8000	61.8	62.1	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	62.3
IV 7000	61.9	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 6000	62.2	62.6	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
IV 5000	64.7	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 4500	65.5	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 4000	74.2	74.6	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3500	78.2	78.7	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3000	81.8	82.4	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2500	83.7	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2000	91.4	93.3	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800	93.2	95.2	95.9	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	94.7	97.2	98.1	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
IV 1200	95.0	97.7	98.6	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 1000	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 900	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 800	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 700	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 600	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 500	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 400	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 300	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 200	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 879

DATA PROCESSING BRANCH
 USAF ETAC
 AWP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22503
STATION

WHEELER AFB HI
STATION NAME

67-73, 73-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0906-1100
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥4	≥0
NO CEILING	47.7	47.8	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	53.9	54.0	54.2	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000	54.2	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	54.4
IV 16000	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 12000	54.9	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 10000	55.9	56.0	56.0	56.0	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
IV 9000	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000	56.3	56.5	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	56.6	56.6
IV 7000	57.0	57.1	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
IV 6000	58.0	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	58.3
IV 5000	61.3	61.5	61.5	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
IV 4500	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 4000	72.4	72.6	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3500	75.9	76.5	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	80.4	81.1	81.2	81.2	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
IV 2500	86.0	87.1	87.3	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	87.7
IV 2000	93.8	94.8	95.1	95.2	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1800	94.9	96.3	96.6	96.7	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500	96.0	97.5	98.0	98.1	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	96.0	97.6	98.2	98.3	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	96.0	97.6	98.2	98.3	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	96.0	97.6	98.2	98.3	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	96.0	97.6	98.2	98.3	98.9	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	96.0	97.6	98.3	98.5	99.1	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.0	97.6	98.3	98.5	99.1	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	96.0	97.6	98.3	98.5	99.1	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	96.0	97.6	98.3	98.5	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.0	97.6	98.3	98.5	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.0	97.6	98.3	98.5	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.0	97.6	98.3	98.5	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.0	97.6	98.3	98.5	99.1	99.4	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 930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22308
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS - LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5:16	≥.	≥0
NO CEILING	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 20000	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 16000	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 14000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000	61.3	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	61.5	61.5
IV 10000	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 9000	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 8000	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 7000	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 6000	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 5000	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4500	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	79.8	80.0	80.0	80.1	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 3000	83.5	84.1	84.1	84.3	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2500	90.6	91.5	91.5	91.7	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	95.9	97.1	97.1	97.4	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	97.0	98.4	98.4	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	97.1	98.5	98.5	98.8	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	97.2	98.6	98.6	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	97.2	98.6	98.6	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	97.3	98.7	98.7	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.3	98.7	98.7	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.3	98.7	98.7	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.3	98.7	98.7	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	97.3	98.7	98.7	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	97.3	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.3	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.3	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.3	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.3	98.8	99.0	99.4	99.6	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 530

5452

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22572
STATION

WHEELER AFB HI
STATION NAME

67-79, 73-75
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
IV 20000	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	61.6	61.7
IV 18000	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	61.6	61.7
IV 16000	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	61.6	61.7
IV 14000	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	63.0
IV 12000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
IV 10000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7
IV 9000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7
IV 8000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
IV 7000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0
IV 6000	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	66.0	66.1
IV 5000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6
IV 4500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
IV 4000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7
IV 3500	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
IV 3000	88.1	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6
IV 2500	93.8	94.1	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	94.3
IV 2000	98.3	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
IV 1800	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
IV 1500	98.9	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 1200	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 1000	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 900	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 800	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 700	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 600	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 500	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 400	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 300	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 200	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 100	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 0	98.9	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
 USAF ETAC
 47th WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

AHEELEP AFB HI
STATION NAME

67-70,73-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 20000	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	60.9	60.9	60.9
IV 18000	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	60.9	60.9	60.9
IV 16000	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	60.9	60.9	60.9
IV 14000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 12000	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	62.9
IV 10000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 9000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 8000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 7000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 6000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4500	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 4000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 3500	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 2500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	95.2	96.2	96.2	96.4	95.5	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1800	97.4	98.5	98.8	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
IV 1500	98.1	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	98.6	99.6	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	100.0
IV 1000	98.6	99.6	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	100.0
IV 900	98.6	99.6	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	100.0
IV 800	98.6	99.6	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	100.0
IV 700	98.6	99.6	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	100.0
IV 600	98.6	99.6	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	100.0
IV 500	98.6	99.6	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	100.0
IV 400	98.6	99.6	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	100.0
IV 300	98.6	99.6	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	100.0
IV 200	98.6	99.6	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	100.0
IV 100	98.6	99.6	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	100.0
IV 0	98.6	99.6	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	100.0

TOTAL NUMBER OF OBSERVATIONS 850

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22022 AIRCULER AFB HI

67-70, 73-78

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NC CEILING	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 20000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 18000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 16000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 14000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 12000	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	61.6	61.6
IV 10000	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	62.6	62.6
IV 9000	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	62.6	62.6
IV 8000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 6000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 5000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 4500	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 4000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 3500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3000	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	81.4	81.4	81.4
IV 2500	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000	92.6	93.7	93.7	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
IV 1800	96.9	96.1	96.1	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1500	96.3	97.8	97.8	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	96.7	98.4	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 489

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22502
STATION

WHEELER AFB HI
STATION NAME

67-73,73-78
YEARS

AUG
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	¾	¾	≥5-16	¾	≥0
NO CEILING	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000	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	58.9	58.9	58.9
IV 18000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 16000	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 14000	59.7	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
IV 12000	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 10000	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 8000	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 7000	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 6000	62.9	63.1	63.1	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
IV 5000	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4
IV 4500	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 4000	74.4	74.5	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3500	78.4	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
IV 3000	83.4	84.0	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 2500	88.0	88.9	89.0	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000	94.7	95.8	96.0	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6
IV 1800	96.1	97.4	97.5	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1500	96.9	98.3	98.5	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
IV 1200	97.1	98.6	98.9	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	97.1	98.6	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 900	97.1	98.6	99.0	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	97.1	98.6	99.0	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 700	97.1	98.6	99.0	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.1	98.6	99.0	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	97.1	98.6	99.0	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	97.1	98.6	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	97.1	98.6	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	97.1	98.6	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	97.1	98.6	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	97.1	98.6	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5017

5454

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22006 4-EELER AFB HI

73,76

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥20000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 16000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 14000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 12000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 10000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 9000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 8000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22578
 STATION

WHEELER AFB HI
 STATION NAME

75-76
 YEARS

SEP
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
 HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ .025	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

22876
STATION

WHEELER AFB HI
STATION NAME

67-72, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-0600
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 20000	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	69.8	69.8	69.8
IV 18000	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	69.8	69.8	69.8
IV 16000	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	69.8	69.8	69.8
IV 14000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 9000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 8000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 7000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 5000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3500	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2500	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2000	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	97.7
IV 1800	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	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	99.9	99.9	99.9
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 842

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2292c
 STATION

W-EELEP AFB HI

67-70, 73-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 18000	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 16000	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	63.0	63.0	63.0
IV 14000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 10000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 9000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 8000	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 7000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 6000	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	68.3	68.3	68.3
IV 5000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 4500	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 4000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 3500	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2500	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20505
STATION

WHEELER AFB HI
STATION NAME

57-70,73-78
PERIOD

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 25000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 18000	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 16000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 14000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 12000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 10000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 7000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 6000	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	59.6	59.6
IV 5000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 4500	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 4000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 3500	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2500	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 2000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1800	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1200	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 200	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 100	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS

898

ATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WHEELER AFB HI

67-70,73-75

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
IV 18000	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
IV 16000	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
IV 14000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2
IV 12000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2
IV 10000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
IV 9000	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8
IV 8000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 7000	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0
IV 6000	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6
IV 5000	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
IV 4500	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9
IV 4000	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6
IV 3500	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4
IV 3000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.7	86.7	86.7	86.7	86.7	86.7
IV 2500	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2000	95.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	95.4	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 1500	95.4	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	96.1	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	96.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	96.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	95.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	96.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	96.3	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	95.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	93.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.6	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 00	96.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22509 WHEELER AFB HI

67-70, 73-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.4	≥.2	≥.16	≥.1	≥0
NO CEILING	63.6	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	58.4	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 18000	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000	69.7	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 14000	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 12000	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 9000	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 8000	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 7000	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4500	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4000	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3500	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	87.7	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500	89.8	91.3	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	95.4	97.2	97.6	97.6	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800	96.2	96.4	98.9	98.9	98.9	99.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	96.2	98.7	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 824

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22576
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 18000	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	66.5	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 12000	67.2	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	67.8
IV 10000	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 9000	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 8000	68.0	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	68.7	68.7
IV 7000	68.5	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 6000	69.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 5000	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 4000	77.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3500	80.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3000	82.8	84.3	84.3	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2500	85.6	87.1	87.3	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000	93.1	95.1	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	95.3	97.2	97.4	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1500	96.4	98.5	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.8	98.9	99.6	99.6	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 466

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAF

CEILING VERSUS VISIBILITY

22803 WHEELER AFB HI
STATION STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 20000	63.0	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000	63.7	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	64.6	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 12000	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 10000	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 9000	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
IV 8000	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 7600	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 6000	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	69.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 5000	70.3	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4500	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2
IV 4000	79.4	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 3500	82.0	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3000	85.7	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2500	89.0	90.1	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6
IV 2000	95.2	96.5	97.0	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1800	96.3	98.0	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	96.6	98.6	99.0	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 1200	96.9	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	96.9	98.9	99.4	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 900	96.9	98.9	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	96.9	99.0	99.4	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	96.9	99.0	99.4	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4636

- DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

WHEELER AFB HI
STATION NAME

73-74
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	≥¾	≥¾	≥5-16	≥¼	≥0
NO CEILING	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV ≥ 14000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 7000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 6000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING BRANCH
 USAF ETAC
 ACP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22536
 STATION

WHEELER AFB HI
 STATION NAME

67-70, 73-78
 YEARS

OCT
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-0900
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 20000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 18000	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 14000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 12000	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 9000	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 7000	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 6000	76.2	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	76.4	76.4
≥ 5000	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4500	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	80.4	80.4	80.4
≥ 4000	84.2	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	87.0	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3000	89.1	89.3	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	89.8	90.0	90.2	90.4	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	94.5	94.9	95.3	95.5	95.6	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥ 1800	95.3	96.1	96.5	96.7	96.9	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 1500	95.4	96.1	96.8	97.0	97.1	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
≥ 1200	95.7	96.4	97.1	97.3	97.5	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5
≥ 1000	95.7	96.4	97.1	97.3	97.6	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
≥ 900	95.7	96.4	97.1	97.3	97.6	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
≥ 800	95.8	96.5	97.3	97.6	97.8	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 700	95.8	96.5	97.3	97.6	97.8	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 600	95.8	96.5	97.3	97.7	97.9	98.4	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 500	95.8	96.5	97.3	97.8	98.0	98.5	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 400	95.8	96.5	97.3	97.8	98.2	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7
≥ 300	95.8	96.7	97.5	97.9	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	95.8	96.7	97.5	97.9	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	95.8	96.7	97.5	97.9	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	95.8	96.7	97.5	97.9	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 866

DATA PROCESSING BRANCH
 USAF ETAC
 45- WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

22170 STATION WHEELER AFB HI

67-70, 73-78 YEARS

OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3900-1100 HOURS (EST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥5	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	63.1	63.1	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	63.2
IV 18000	63.2	63.2	63.2	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
IV 16000	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	64.6	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	64.7
IV 12000	66.2	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	66.3
IV 10000	66.8	66.8	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	66.9
IV 9000	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 8000	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	68.1	68.1	68.1
IV 7000	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 6000	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 5000	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4500	74.3	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 4000	80.1	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	83.4	84.1	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
IV 3000	87.7	88.0	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	89.5	90.2	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2000	94.3	94.7	95.1	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	95.1	95.8	96.2	96.6	97.1	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1500	95.7	96.6	97.2	97.7	98.1	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	95.8	97.0	97.4	98.1	98.4	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	96.0	97.2	97.6	98.3	98.6	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	96.0	97.2	97.6	98.3	98.6	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	96.0	97.3	97.7	98.4	98.8	99.0	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	96.0	97.3	97.7	98.4	98.8	99.0	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	96.0	97.4	97.8	98.5	98.9	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	96.0	97.4	97.8	98.5	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	96.0	97.4	97.8	98.5	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	96.0	97.4	97.8	98.5	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	96.0	97.4	97.8	98.5	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	96.0	97.4	97.8	98.5	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	96.0	97.4	97.8	98.5	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22502 WHEELER AFB HI

67-70, 73-78

OCT

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	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 20000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 18000	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 16000	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 14000	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 12000	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 10000	58.0	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 9000	58.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 8000	59.0	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
IV 7000	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 6000	59.9	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
IV 5000	61.7	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	62.3
IV 4500	67.4	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
IV 4000	72.9	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	77.7	78.4	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3000	80.9	81.7	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 2500	87.5	88.6	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2000	93.1	94.4	94.9	95.3	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.9	95.9	95.9
IV 1800	94.1	95.4	96.0	96.3	96.3	96.5	96.7	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0
IV 1500	94.9	96.3	97.0	97.5	97.5	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2
IV 1200	95.3	96.6	97.2	97.7	97.7	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4
IV 1000	95.3	96.8	97.5	98.1	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 900	95.5	97.1	97.7	98.3	98.3	98.4	98.6	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1
IV 800	95.5	97.1	97.7	98.3	98.4	98.5	98.7	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2
IV 700	95.5	97.0	97.7	98.3	98.4	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
IV 600	95.5	97.0	97.7	98.3	98.4	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
IV 500	95.5	97.0	97.7	98.3	98.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.6	99.6	99.6
IV 400	95.5	97.0	97.7	98.3	98.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.6	99.6	99.6
IV 300	95.5	97.0	97.7	98.4	98.5	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8
IV 200	95.5	97.0	97.7	98.4	98.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 100	95.5	97.0	97.7	98.4	98.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV C	95.5	97.0	97.7	98.4	98.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22076
STATION

WHEELER AFB HI
STATION NAME

67-73, 73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	46.0	46.1	46.1	46.0	46.0	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	53.8	54.0	54.0	54.0	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 18000	54.0	54.2	54.2	54.2	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 16000	54.2	54.4	54.4	54.4	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 14000	55.9	56.1	56.1	56.1	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 12000	56.9	59.1	59.1	59.1	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 10000	60.2	60.4	60.5	60.5	60.5	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 9000	60.5	60.6	60.9	60.9	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 8000	61.0	61.2	61.3	61.3	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 7000	61.9	62.2	62.3	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 6000	62.4	62.5	62.7	62.7	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 5000	64.1	64.3	64.4	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 4500	67.7	68.1	68.2	68.2	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4000	72.4	72.6	72.9	72.9	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 3500	77.5	78.1	78.2	78.2	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3000	82.5	82.9	83.0	83.2	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2500	88.0	89.0	89.2	89.5	89.5	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 2000	94.1	95.2	95.7	95.9	95.9	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1800	95.3	95.7	97.2	97.4	97.4	97.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	95.6	97.1	97.8	98.2	98.2	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	95.7	97.2	98.0	98.3	98.3	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	95.7	97.2	98.0	98.3	98.3	98.5	98.5	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	95.7	97.2	98.0	98.3	98.3	98.5	98.5	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	95.7	97.2	98.0	98.3	98.3	98.5	98.5	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	95.7	97.2	98.0	98.3	98.3	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	95.7	97.2	98.0	98.3	98.3	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	95.7	97.2	98.0	98.3	98.3	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	95.7	97.2	98.0	98.3	98.3	98.5	98.5	99.1	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	95.7	97.2	98.1	98.4	98.4	98.6	98.6	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	95.7	97.2	98.1	98.4	98.4	98.6	98.6	99.2	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.7	97.2	98.1	98.4	98.4	98.6	98.6	98.7	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.7	97.2	98.1	98.4	98.4	98.6	98.6	98.7	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 USAF ETAC
 AWP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22505
STATION

WHEELER AFB MI
STATION NAME

67-70,75-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-2000
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.16	≥.1	≥0
NO CEILING	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	52.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 18000	52.1	62.5	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
≥ 16000	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	63.1	63.1
≥ 14000	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	65.5	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 10000	66.8	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
≥ 9000	67.1	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	67.4	67.4	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	68.1	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 6000	68.4	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	70.4	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	72.2	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4000	75.7	76.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	79.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	85.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500	88.2	90.0	90.4	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	92.5	94.9	95.5	95.5	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	93.8	96.5	97.1	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	93.6	96.5	97.1	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	93.9	96.9	97.5	97.6	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	93.9	96.9	97.5	97.6	98.0	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	93.9	96.9	97.7	97.8	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	94.0	97.0	97.8	98.1	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	94.0	97.0	97.8	98.1	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	94.0	97.0	98.0	98.2	98.8	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	94.1	97.1	98.1	98.3	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	94.1	97.1	98.1	98.3	99.0	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	94.1	97.1	98.1	98.3	99.0	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	94.1	97.1	98.2	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.1	97.1	98.2	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.1	97.1	98.2	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 831

DATA PROCESSING BRANCH
 USAF ETAC
 AIR LEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22804
 STATION

WHEELER AFB MI
 STATION NAME

67-70,73-78
 YEARS

OCT
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	67.5	68.2	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 20000	69.7	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 18000	69.7	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 16000	69.7	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 14000	71.4	71.0	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 12000	71.9	72.5	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000	73.4	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	73.4	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	73.9	74.5	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 7000	74.3	74.9	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 6000	74.3	74.9	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 5000	75.2	75.8	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4500	76.3	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	79.1	80.2	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	80.8	81.9	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3000	85.0	86.7	86.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 2500	88.0	89.8	89.8	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 2000	92.6	94.8	95.2	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1800	92.8	95.0	95.8	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	93.5	95.9	96.7	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	93.5	95.9	96.7	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	93.5	95.9	96.7	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	93.9	96.3	97.2	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	93.9	96.3	97.2	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	94.3	96.9	97.8	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	94.3	96.9	97.8	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	95.0	97.6	98.5	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	95.2	97.8	98.7	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.2	97.8	98.7	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.2	97.8	98.7	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.2	97.8	98.7	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	95.2	97.8	98.7	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 459

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

ZEEB
STATION

WHEELER AFB MI
STATION NAME

67-70,73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
YEARS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥0
NO CEILING	55.4	55.3	55.3	55.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 20000	61.2	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
IV 18000	61.3	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	61.6	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 14000	62.3	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 12000	64.4	64.9	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
IV 10000	65.7	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 9000	66.1	66.4	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	66.5
IV 8000	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	67.2	67.5	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	67.7
IV 6000	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 5000	69.2	69.5	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500	72.5	73.3	73.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4000	77.2	77.7	77.7	77.9	77.9	77.9	77.9	78.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3500	81.1	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 3000	84.9	85.7	85.8	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2500	88.0	89.4	89.8	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 2000	93.6	94.8	95.3	95.6	95.7	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.3	96.3	96.3	96.3
IV 1800	94.8	96.0	96.5	96.8	97.0	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6
IV 1500	94.9	96.5	97.2	97.5	97.7	97.9	97.9	98.0	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 1200	95.1	96.7	97.4	97.8	98.0	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
IV 1000	95.2	96.8	97.5	97.9	98.1	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
IV 900	95.3	96.9	97.6	98.0	98.2	98.5	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
IV 800	95.3	96.9	97.7	98.1	98.4	98.6	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3
IV 700	95.3	97.0	97.7	98.2	98.4	98.7	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5
IV 600	95.3	97.0	97.8	98.2	98.5	98.8	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 500	95.4	97.1	97.9	98.3	98.6	98.9	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7
IV 400	95.4	97.1	97.9	98.4	98.7	98.9	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 300	95.4	97.2	97.9	98.4	98.7	99.1	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 200	95.4	97.2	97.9	98.4	98.8	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	95.4	97.2	97.9	98.4	98.8	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	95.4	97.2	97.9	98.4	98.8	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4949

DATA PROCESSING BRANCH
AF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22003
STATION

WHEELER AFB MI
STATION NAME

74,76
YEARS

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
GROUP 13

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 4000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 3000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 2000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1800	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1200	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 900	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 800	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 700	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 600	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	75.0	75.0	75.0	75.0	75.0	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 4

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

Z0005 WHEELER AFB HI

73-76,78

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 6000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 4000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 2000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 1500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 7000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 6000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 3500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 3000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 2500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 2000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 800	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 1500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 200	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 1000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 900	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 800	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 700	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 600	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 400	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 300	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 200	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 100	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

02824 WHEELER AFB HI

67-70,73-76

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-0202

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥70000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥18000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥16000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥4900	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥12000	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	52.2
≥10000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥9000	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥8000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥7000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥6000	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	55.3	55.3
≥5000	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥4500	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	56.1	56.1	56.1
≥4000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥3500	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥3000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥2500	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥2000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥1800	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥1500	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥1200	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥1000	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	58.4
≥900	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥800	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥700	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥600	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥500	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥400	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥300	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥200	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥100	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4

TOTAL NUMBER OF OBSERVATIONS 830

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22510
 STATION

WHEELER AFB MI
 STATION NAME

67-7C, 73-78
 YEARS

VOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3900-1100
 HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 20000	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	56.9	56.9	56.9
IV 18000	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	56.9	56.9	56.9
IV 16000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 14000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 12000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 10000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 9000	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	61.5	61.5
IV 8000	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	61.6	61.6
IV 7000	62.1	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	62.3	62.3
IV 6000	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 5000	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4500	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4000	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3500	77.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3000	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	84.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	89.8	91.8	92.3	92.7	93.1	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1800	91.8	93.6	94.2	94.6	95.0	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1500	92.4	94.9	95.7	96.3	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200	92.8	95.3	96.2	96.8	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	92.8	95.5	96.5	97.2	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	92.8	95.5	96.5	97.2	98.3	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	92.8	95.5	96.5	97.2	98.4	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	92.8	95.5	96.5	97.2	98.4	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	92.8	95.5	96.5	97.2	98.4	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	92.9	95.6	96.6	97.3	98.6	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	93.0	95.7	96.7	97.4	98.8	99.1	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	93.0	95.7	96.7	97.4	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	93.0	95.7	96.7	97.4	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.0	95.7	96.7	97.4	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.0	95.7	96.7	97.4	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 885

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

67-70,73-78
PERIOD

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	44.5	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.3
≥ 20000	50.9	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV ≥ 18000	51.1	51.1	51.1	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV ≥ 16000	51.1	51.2	51.2	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
IV ≥ 14000	51.9	52.0	52.0	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV ≥ 12000	52.8	52.9	52.9	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV ≥ 10000	54.5	54.6	54.6	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV ≥ 9000	55.4	55.6	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV ≥ 8000	56.1	56.3	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV ≥ 7000	56.5	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV ≥ 6000	57.7	57.9	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV ≥ 5000	60.2	60.6	60.6	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
IV ≥ 4500	66.7	66.9	66.9	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV ≥ 4000	70.7	71.2	71.4	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV ≥ 3500	74.3	75.1	75.4	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV ≥ 3000	78.4	79.8	80.1	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV ≥ 2500	83.3	85.1	85.6	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV ≥ 2000	89.8	92.0	92.7	93.1	93.3	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV ≥ 1800	91.4	93.8	94.6	95.0	95.3	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV ≥ 1500	92.3	94.9	95.9	96.4	96.6	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV ≥ 1200	92.8	95.6	96.8	97.4	97.6	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV ≥ 1000	92.9	95.7	97.1	97.7	98.1	98.3	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV ≥ 900	92.9	95.7	97.1	97.7	98.1	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV ≥ 800	92.9	95.7	97.1	97.9	98.3	98.5	98.9	99.1	99.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV ≥ 700	92.9	95.7	97.2	98.0	98.4	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV ≥ 600	92.9	95.7	97.2	98.0	98.4	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
IV ≥ 500	93.0	95.8	97.3	98.1	98.5	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV ≥ 400	93.0	95.8	97.3	98.1	98.5	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.8	99.9
IV ≥ 300	93.1	95.9	97.4	98.2	98.6	98.9	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.9	99.9	100.0
IV ≥ 200	93.1	95.9	97.4	98.2	98.6	98.9	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.9	99.9	100.0
IV ≥ 100	93.1	95.9	97.4	98.2	98.6	98.9	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.9	99.9	100.0
IV ≥ 0	93.1	95.9	97.4	98.2	98.6	98.9	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 886

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22008
 STATION

WHEELER AFB HI
 STATION NAME

67-70, 73-78
 YEARS

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	43.2	43.2	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 20000	50.2	50.2	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 18000	50.6	50.6	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 16000	50.6	50.6	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 14000	51.3	51.3	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 12000	53.1	53.1	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 10000	54.4	54.4	54.5	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 9000	55.0	55.2	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 8000	56.0	56.4	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 7000	56.5	56.8	56.9	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 6000	56.8	57.2	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 5000	58.3	58.6	58.6	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 4500	63.6	64.2	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 4000	69.9	70.9	71.1	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
IV 3500	73.1	74.2	74.7	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
IV 3000	78.0	79.3	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 2500	81.3	82.8	83.3	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2000	88.1	90.1	90.8	91.1	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800	89.0	91.4	92.3	92.6	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	90.2	93.3	94.3	94.7	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	90.6	93.9	94.9	95.5	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	90.9	94.3	95.6	96.1	97.2	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	91.0	94.4	95.7	96.3	97.3	97.5	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	91.3	94.8	96.0	96.6	97.6	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	91.3	94.8	96.0	96.6	97.6	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	91.5	95.0	96.3	96.8	97.8	98.1	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	91.6	95.2	96.5	97.0	98.1	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	91.6	95.2	96.5	97.2	98.3	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	91.6	95.2	96.5	97.2	98.3	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	91.6	95.2	96.5	97.2	98.3	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	91.6	95.2	96.5	97.2	98.3	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	91.6	95.2	96.5	97.2	98.3	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 880

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22038
 STATION

WHEELER AFB HI
 STATION NAME

67-70,73-78
 YEAR

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥¾	≥½	≥¼	≥5/16	≥.5	≥0
NO CEILING	52.4	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	55.7	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 18000	56.3	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 16000	56.5	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 14000	56.8	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	57.0	57.0
IV 12000	57.2	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	57.6	57.6
IV 10000	59.0	59.3	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	59.4
IV 9000	59.3	59.6	59.6	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 8000	60.4	60.7	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
IV 7000	60.7	60.9	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 6000	61.1	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 5000	62.2	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4500	65.0	66.3	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 4000	68.5	69.9	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 3500	71.8	73.6	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 3000	76.6	78.7	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2500	80.7	83.6	84.1	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	86.9	90.9	91.8	92.1	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1800	88.1	92.1	93.2	93.5	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	88.7	93.0	94.5	94.8	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	88.9	93.2	94.5	95.0	96.3	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	89.2	94.3	95.8	96.0	97.3	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	89.2	94.3	95.8	96.0	97.3	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	89.4	94.2	96.3	96.5	97.8	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	89.4	94.2	96.3	96.5	97.8	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	89.4	94.2	96.3	96.5	98.0	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	89.5	94.4	96.5	96.9	98.3	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	89.5	94.4	96.5	96.9	98.3	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	89.5	94.4	96.5	96.9	98.3	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	89.5	94.5	96.8	97.2	98.6	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	89.5	94.5	96.8	97.2	98.6	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	89.5	94.5	96.8	97.2	98.6	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 781

DATA PROCESSING BRANCH
 USAF STAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2253A KEELER AFB HI

67-79,73-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	59.1	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	59.6
≥ 20000	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 18000	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 16000	60.4	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	60.9	60.9
IV 14000	60.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 12000	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 10000	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 9000	62.2	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
IV 8000	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 7000	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 6000	63.4	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 5000	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 4500	66.7	68.5	68.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4000	70.8	72.6	72.6	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3500	73.3	75.3	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 3000	75.5	77.5	77.5	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 2500	81.3	83.6	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2000	86.7	89.4	90.6	90.6	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1800	88.3	91.0	92.1	92.1	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1500	89.2	91.9	93.9	93.9	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1200	89.7	92.4	94.6	94.6	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1000	89.9	92.6	94.8	95.1	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 900	89.9	92.6	94.8	95.1	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 800	90.6	93.3	95.5	95.7	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 700	90.8	93.3	95.5	95.7	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 600	90.8	93.9	96.2	96.4	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	90.8	93.9	96.2	96.4	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	91.0	94.2	96.4	96.6	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	91.0	94.2	96.4	96.6	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	91.0	94.2	96.4	96.6	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 100	91.0	94.2	96.4	96.6	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 0	91.0	94.2	96.4	96.6	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 445

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

67-70,73-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (24)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥0
NO CEILING	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.7	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	55.4	55.5	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 18000	55.6	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 16000	55.8	55.9	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 14000	55.4	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	56.6	56.6
IV 12000	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 10000	58.8	58.9	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 9000	59.3	59.5	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000	60.0	60.2	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 7000	60.4	60.6	60.7	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
IV 6000	60.9	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 5000	62.7	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 4500	67.2	67.9	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 4000	71.7	72.7	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	74.8	76.0	76.2	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 3000	78.7	80.3	80.5	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
IV 2500	82.1	84.1	84.5	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000	88.4	90.8	91.5	91.8	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1800	89.8	92.4	93.2	93.4	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	90.8	93.9	95.0	95.3	95.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1200	91.2	94.5	95.6	96.1	96.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1000	91.4	94.8	96.1	96.6	97.5	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	91.4	94.8	96.2	96.6	97.5	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	91.6	95.0	96.4	96.9	97.8	98.1	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	91.6	95.0	96.4	96.9	97.9	98.2	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	91.6	95.1	96.5	97.1	98.0	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	91.7	95.3	96.7	97.2	98.2	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 400	91.8	95.3	96.7	97.3	98.3	98.7	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	91.8	95.3	96.8	97.4	98.4	98.8	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	91.8	95.4	96.8	97.4	98.4	98.8	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	91.8	95.4	96.8	97.4	98.4	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	91.8	95.4	96.8	97.4	98.4	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 4717

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20078 WHEELER AFB 41

68,78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

3000-0200
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.7	≥1.4	≥1	≥¾	≥½	≥⅓	≥0.16	≥0	≥0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 10000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 9000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 8000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 7000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 6000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 5000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 4500	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 4000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 3500	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 3000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 2500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2000	83.3	83.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1800	83.3	83.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1500	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22518
 STATION

WHEELER AFB HI
 STATION NAME

67-62,75,78
 YEARS

DEC
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1	≥0
NO CEILING	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 20000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 18000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 16000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 14000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 9000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 8000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 7000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 6000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 5000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 4500	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 4000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 3500	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 3000	70.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2500	75.0	80.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2000	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1800	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	85.0	90.0	95.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 20

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22509
STATION

WHEELER AFB HI
STATION NAME

67-70,73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3630-0800
HOURS 15'

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7
≥ 20000	56.6	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	57.0	57.0
IV ≥ 18000	56.6	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	57.0	57.0
IV 16000	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5
IV 14000	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5
IV 12000	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.7
IV 10000	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.7
IV 9000	61.1	61.2	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5
IV 8000	61.5	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.0	62.0
IV 7000	61.8	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4
IV 6000	62.1	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7
IV 5000	63.9	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5
IV 4500	66.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5
IV 4000	70.9	71.0	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4
IV 3500	74.6	75.1	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5
IV 3000	77.8	79.2	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6
IV 2500	80.6	82.2	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.9	82.9
IV 2000	86.1	89.4	89.9	90.0	90.2	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9
IV 1800	87.8	91.3	91.8	91.9	92.1	92.3	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	89.9	93.5	94.0	94.1	94.7	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7
IV 1200	90.2	94.3	95.0	95.2	95.9	96.1	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IV 1000	90.8	94.9	95.7	95.9	96.6	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8
IV 900	90.9	94.9	95.7	95.9	96.6	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8
IV 800	90.9	95.2	95.9	96.1	96.9	97.1	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.4
IV 700	91.2	95.4	96.1	96.4	97.2	97.5	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.9	98.9	98.9
IV 600	91.2	95.4	96.1	96.4	97.2	97.5	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.9	98.9	98.9
IV 500	91.2	95.4	96.1	96.4	97.2	97.6	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 400	91.2	95.4	96.1	96.4	97.2	97.7	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.5	99.5	99.5
IV 300	91.2	95.4	96.1	96.4	97.2	97.7	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.6	99.6	99.6
IV 200	91.2	95.4	96.1	96.4	97.2	97.7	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.8	99.8	99.8
IV 100	91.2	95.4	96.1	96.4	97.2	97.7	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.9	99.9	99.9
IV 0	91.2	95.4	96.1	96.4	97.2	97.7	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 628

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

WHEELER AFB MI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 20000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 18000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 16000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 14000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 12000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 10000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 9000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 8000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 7000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 6000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 5000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 4500	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 4000	72.3	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3500	75.7	76.1	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 3000	77.5	78.9	79.2	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2500	80.3	81.8	82.1	82.2	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2000	85.2	87.3	88.3	88.5	88.9	89.0	89.4	89.5	89.5	89.5	89.9	89.9	89.9	89.9	89.9	89.9
IV 1800	88.1	90.4	91.4	91.7	92.0	92.1	92.6	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	89.4	92.0	93.1	93.4	93.7	93.8	94.5	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200	90.1	92.9	94.1	94.5	94.8	94.9	95.6	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	90.8	93.7	94.9	95.5	95.8	95.9	96.7	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	90.9	93.9	95.3	95.8	96.2	96.3	97.1	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800	91.0	94.0	95.6	96.2	96.5	96.6	97.4	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 700	91.1	94.1	95.7	96.3	96.6	96.7	97.5	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	91.1	94.1	95.7	96.3	97.0	97.2	98.1	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	91.3	94.4	95.9	96.5	97.3	97.5	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	91.3	94.4	95.9	96.5	97.4	97.6	98.9	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	91.4	94.5	96.1	96.6	97.5	97.7	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	91.4	94.5	96.1	96.6	97.5	97.9	99.1	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	91.4	94.5	96.1	96.6	97.5	97.9	99.1	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	91.4	94.5	96.1	96.6	97.5	97.9	99.1	99.4	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 888

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24500 WHEELER AFB HI

67-73,73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8
≥ 20000	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4
IV 18000	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4
IV 16000	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6
IV 14000	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.6
IV 12000	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.9
IV 10000	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	56.9	57.0
IV 9000	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
IV 8000	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
IV 7000	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9
IV 6000	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9
IV 5000	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2
IV 4500	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3
IV 4000	72.5	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	72.8
IV 3500	74.4	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	75.3
IV 3000	76.7	77.6	77.6	77.6	77.6	77.6	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.2
IV 2500	79.9	81.4	81.4	81.5	81.5	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.3
IV 2000	86.6	88.2	88.2	88.9	89.3	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
IV 1800	88.7	90.7	91.0	91.4	91.8	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
IV 1500	90.2	92.6	93.2	93.6	94.0	94.1	94.5	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.9
IV 1200	91.1	93.9	94.5	95.3	95.7	96.0	96.3	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.8
IV 1000	91.5	94.5	95.3	96.4	96.9	97.2	97.6	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.2
IV 900	91.5	94.5	95.3	96.4	96.9	97.2	97.7	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.3
IV 800	91.4	94.6	95.4	96.6	97.2	97.7	98.2	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.7
IV 700	91.4	94.7	95.5	96.7	97.4	97.8	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.9
IV 600	91.8	94.9	95.5	97.0	97.7	98.2	98.6	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.2
IV 500	92.0	95.1	96.0	97.1	97.9	98.5	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 400	92.1	95.3	96.2	97.4	98.2	98.7	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 300	92.1	95.3	96.2	97.4	98.2	98.7	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 200	92.1	95.3	96.2	97.4	98.3	98.9	99.3	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	92.1	95.3	96.2	97.4	98.3	98.9	99.3	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	92.1	95.3	96.2	97.4	98.3	98.9	99.3	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 870

DATA PROCESSING BRANCH
 USAF ETAC
 ALBANY WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22518
 STATION

WHEELER AFB HI
 STATION NAME

67-70,73-18
 YEARS

DEC
 MONTH

PERCENTAGE FREQUENCY OF OCCURENCE
 (FROM HOURLY OBSERVATIONS)

1530-1700
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.6	≥.4	≥.3	≥.16	≥.1	≥0
NO CEILING	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 20000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 18000	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5
IV 16000	52.7	52.3	52.4	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 14000	53.9	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 12000	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 10000	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 9000	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 8000	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 7000	57.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 6000	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 5000	60.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 4500	65.4	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4000	69.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 3500	72.1	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	75.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 2500	78.3	80.1	80.3	80.7	80.8	80.8	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 2000	86.3	88.8	89.3	89.6	90.2	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	89.4	92.2	92.8	93.1	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1500	90.3	93.2	93.9	94.4	95.3	95.3	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	90.4	93.3	94.3	94.9	95.9	95.0	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	90.3	93.9	95.2	95.8	97.0	97.1	97.5	97.5	97.5	97.7	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	90.3	94.3	95.3	95.9	97.1	97.4	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	91.1	94.4	95.8	96.4	97.7	98.1	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	91.2	94.5	95.9	96.5	97.8	98.2	98.7	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	91.2	94.5	95.9	96.5	97.8	98.4	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	91.2	94.6	96.0	96.6	97.9	98.3	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	91.2	94.6	96.0	96.6	98.0	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	91.2	94.6	96.0	96.6	98.0	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	91.2	94.6	96.0	96.6	98.0	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	91.2	94.6	96.0	96.6	98.0	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	91.2	94.6	96.0	96.6	98.0	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 856

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22-73

WHEELER AFB HI

67-73, 73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1900-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥20000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥18000	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	58.4
≥16000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥14000	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	59.6	59.6
≥12000	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	61.5	61.5	61.5
≥10000	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	63.0	63.0	63.0
≥9000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥8000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥7000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥6000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥5000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥4500	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥4000	72.7	72.7	72.7	72.7	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	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥3000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥2500	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥2000	86.9	88.8	89.7	89.7	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥1800	89.3	91.5	92.6	92.6	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥1500	90.9	93.4	94.6	94.7	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥1200	91.2	93.8	95.3	95.1	95.9	96.1	96.5	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥1000	91.0	94.3	95.5	95.7	96.5	96.8	97.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥900	92.0	94.8	95.8	95.9	96.8	97.0	97.6	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥800	92.2	94.7	95.9	96.2	97.0	97.3	97.8	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥700	92.3	95.0	96.2	96.5	97.3	97.6	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥600	92.4	95.4	96.6	96.9	97.7	98.0	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥500	92.6	95.8	96.8	97.0	97.8	98.1	98.6	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥400	92.7	95.8	97.0	97.3	98.1	98.4	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥300	92.7	95.8	97.0	97.3	98.1	98.4	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥200	92.7	95.8	97.0	97.3	98.1	98.4	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥100	92.7	95.8	97.0	97.3	98.2	98.5	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0	92.7	95.8	97.0	97.3	98.2	98.5	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 740

DATA DISCLOSURE BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22000 WHEELER AFB MI

67-73,73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	24	23	22.5	22	21.5	21	20.5	20	19.5	19	18.5	18	17.5
NO CEILING	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 20000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 16000	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	58.0
IV 14000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 12000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 10000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 9000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 8000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 7000	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	60.3	60.3	60.3
IV 6000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 5000	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4500	64.7	64.7	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
IV 4000	66.5	66.5	66.8	66.8	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3500	69.9	69.9	70.1	70.1	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 3000	72.7	73.5	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2500	75.8	77.1	77.8	77.8	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 2000	82.2	83.2	85.3	85.3	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 800	91.8	91.8	91.8	91.8	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	93.0	93.0	94.0	94.0	95.1	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200	93.3	93.3	95.9	95.9	96.1	96.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	94.5	94.5	96.4	96.4	96.6	96.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900	94.3	94.3	96.6	96.6	96.9	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	94.6	94.6	97.2	97.2	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 700	95.1	95.1	97.7	97.7	98.2	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	95.4	95.4	97.9	97.9	98.5	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	95.4	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.4	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.4	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.4	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.4	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.4	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 388

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELEP AFB HI
STATION NAME

67-70,73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
HOURS (ST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.5
≥ 20000	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9
IV 18000	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0
IV 16000	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	55.3
IV 14000	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9
IV 12000	57.4	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	57.6	57.6
IV 10000	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
IV 9000	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	59.7	59.7	59.7
IV 8000	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2
IV 7000	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5
IV 6000	60.6	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 5000	62.9	62.9	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9
IV 4500	66.9	66.8	66.8	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
IV 4000	70.8	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5
IV 3500	73.8	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6
IV 3000	76.7	77.8	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2
IV 2500	79.7	81.2	81.3	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0
IV 2000	85.9	88.0	88.8	89.0	89.4	89.4	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1800	91.5	91.1	91.9	92.1	92.5	92.6	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	90.0	92.9	93.9	94.1	94.6	94.7	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.4
IV 1200	90.8	93.8	94.7	95.1	95.7	95.9	96.3	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	91.0	94.2	95.4	95.9	96.6	96.8	97.4	97.5	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.8
IV 900	91.1	94.3	95.6	96.1	96.7	97.0	97.6	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	91.3	94.5	95.5	96.4	97.1	97.4	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.5	98.5	98.5
IV 700	91.4	94.7	95.1	96.6	97.4	97.6	98.3	98.5	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.8
IV 600	91.5	94.8	95.2	96.7	97.6	97.9	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1
IV 500	91.6	94.9	96.3	96.8	97.8	98.2	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 400	91.6	95.0	96.4	96.9	97.9	98.3	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	91.6	95.1	96.4	96.9	97.9	98.4	99.2	99.4	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
IV 200	91.6	95.1	96.4	96.9	98.0	98.4	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 100	91.6	95.1	96.4	96.9	98.0	98.4	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	100.0
IV 0	91.6	95.1	96.4	96.9	98.0	98.4	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4608

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22538
STATION

WHEELER AFB HI
STATION NAME

67-70,73-79
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 11 51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥.	≥0
NO CEILING	49.0	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
≥ 20000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 18000	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8
IV 16000	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9
IV 14000	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 12000	55.4	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9
IV 9000	56.9	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 8000	57.2	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 7000	57.6	58.2	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
IV 6000	58.4	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 5000	60.8	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 4500	65.4	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4000	70.6	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	71.5
IV 3500	74.7	75.6	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 3000	80.0	81.3	81.5	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 2500	83.9	85.5	85.9	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2000	90.5	92.8	93.3	93.5	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	92.2	94.6	95.2	95.5	95.8	95.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	93.2	96.0	96.8	97.1	97.5	97.6	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
IV 1200	93.8	96.5	97.3	97.7	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	93.7	96.3	97.6	98.0	98.5	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	93.8	96.7	97.7	98.1	98.6	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
IV 800	93.8	96.8	97.8	98.2	98.7	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	93.8	96.9	97.8	98.2	98.8	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 600	93.9	96.9	97.9	98.3	98.9	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 500	93.9	96.9	97.9	98.4	98.9	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	93.9	97.0	97.9	98.4	99.0	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 300	93.9	97.0	98.0	98.4	99.0	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	93.9	97.0	98.0	98.4	99.0	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	93.9	97.0	98.0	98.4	99.0	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	93.9	97.0	98.0	98.4	99.0	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 58068

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

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

2
 DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

22508 WHEELER AFB HI

68-70,73-79

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02													
	03-05	23.1			30.8						26.9	19.2	5.3	26
	06-08	11.1			38.4						32.7	17.8	5.9	854
	09-11	6.1			40.1						36.9	17.0	6.2	906
	12-14	1.2	1.4		34.1	2.1	1.5	.9		1.4	36.4	20.9	6.7	905
	15-17	1.9			40.2						35.9	22.0	6.6	902
	18-20	7.1			47.5						28.3	17.1	5.7	813
	21-23	17.6			40.7						24.2	17.4	5.1	454
	TOTALS	9.7	.2		38.8	.3	.2	.1		.2	31.6	18.8	5.9	4860

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

SKY COVER

22506
STATION

HEELER AFB HI
STATION NAME

68-70,73-79
PERIOD

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02													
	03-05	33.3			50.0						16.7		3.0	6
	06-08	13.8			38.9						30.9	16.5	5.6	790
	09-11	5.1			41.1						31.9	21.9	6.3	846
	12-14	.7	1.9		32.6	1.4	.8	1.1		2.4	35.0	24.1	6.9	846
	15-17	.7			36.3						39.6	23.3	7.0	845
	18-20	7.5			43.0						30.1	19.5	5.9	775
	21-23	19.5			36.1						29.0	15.4	5.2	441
TOTALS		11.5	.3		39.7	.2	.1	.2		.3	30.5	17.2	5.7	4549

2

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

2250E

WHEELER AFB HI

68-70,73-79

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02										100.0		9.0	1
	03-05				25.0						25.0	50.0	8.0	4
	06-08	6.9			37.4						33.1	22.5	6.4	879
	09-11	2.4			33.9						40.4	23.3	7.0	930
	12-14	.6	.3		29.1	1.9	1.5	1.4		1.4	41.7	22.1	7.2	929
	15-17	1.8			34.7						42.2	21.3	7.0	929
	18-20	3.2			36.9						36.1	23.8	6.7	880
	21-23	6.9			38.9						31.5	22.7	6.3	476
TOTALS		2.7	.0		29.5	.2	.2	.2		.2	43.8	23.2	7.2	5028

2
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

22508
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
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				50.0						50.0		6.0	6
	03-05				55.6						22.2	22.2	5.9	9
	06-08	4.2			35.3						39.7	20.9	6.7	834
	09-11	.4			33.4						45.3	20.8	7.2	894
	12-14		.6		27.9	1.2	1.9	.9		1.1	42.9	23.5	7.3	891
	15-17	.2			33.3						43.0	23.5	7.2	894
	18-20	2.0			31.9						42.5	23.5	7.1	830
	21-23	5.3			31.6						35.3	27.9	6.9	456
TOTALS		1.5	.1		37.4	.2	.2	.1		.1	40.1	20.3	6.8	4814

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

22506 WHEELER AFB HI

68-70, 73-79

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9	10			
MAY	00-02				25.0								75.0	8.3	4
	03-05														
	06-08	3.3			40.3							40.0	16.5	6.5	856
	09-11	.4			37.2							47.5	14.9	6.9	925
	12-14	.4	.2		30.0	1.3	1.2	1.6		1.4	45.4	18.5	7.2	928	
	15-17	.5			29.4						48.2	21.9	7.4	929	
	18-20	1.1			33.7						43.9	21.3	7.1	845	
	21-23	7.3			35.6						39.7	17.4	6.4	466	
	TOTALS	1.9	.0		33.0	.2	.2	.2		.2	37.8	26.5	7.1	4953	

2
 DATA PROCESSING BRANCH
 ETAC/USAF
 AIP WEATHER SERVICE/MAC

SKY COVER

2250c WHEELER AFB HI

68-70,73-79

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02				28.6						28.6	42.9	7.7	7
	03-05	14.3			42.9						28.6	14.3	5.3	7
	06-08	2.4			46.3						38.2	12.6	6.1	851
	09-11	.5			41.9						48.5	9.1	6.5	927
	12-14	.5	1.5		37.3	1.1	1.6	1.3		1.6	44.9	10.2	5.5	925
	15-17	.2			45.6						43.3	11.0	6.4	922
	18-20	1.6			47.1						40.9	10.4	6.1	826
	21-23	5.1			45.9						38.2	10.8	5.9	453
	TOTALS	3.1	.2		42.0	.1	.2	.2		.2	39.0	15.2	6.3	4918

2
 DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

22506

WHEELER AFB HI

67-70, 73-78

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS			
		0	1	2	3	4	5	6	7	8	9			10		
AUG	00-02															
	03-05				29.0						70.0	10.0	7.9	10		
	06-08	4.3			41.1						41.5	13.1	6.3	879		
	09-11	1.1			38.5						44.9	15.5	6.7	930		
	12-14	.3	1.7		38.9	1.7	1.1	.4		1.0	41.2	13.7	6.5	930		
	15-17	.1			45.4						40.5	14.0	6.4	929		
	18-20	1.4			44.9						38.2	15.0	6.3	850		
	21-23	4.9			46.2						36.6	12.3	5.9	487		
	TOTALS	1.7	.2		39.3	.2	.2	.1		.1	44.7	13.4	6.6	5615		

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

2250E

WHEELER AFB HI

67-70,73-78

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS ULST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9		
SEP	00-02	16.7			66.7						16.7	3.5	6
	03-05				100.0							3.0	2
	06-08	8.2			49.0					35.7	7.1	5.4	841
	09-11	1.4			46.2					42.7	9.7	6.2	899
	12-14	.4	.6		36.5	1.2	2.1	1.0		1.4	45.1	11.6	898
	15-17	.4			41.7					46.5	11.3	6.6	899
	18-20	3.4			52.6					34.3	9.7	5.6	823
	21-23	6.5			53.5					29.5	10.5	5.3	465
	TOTALS	4.6	.1		55.8	.2	.3	.1		.2	31.3	7.5	4833

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

22508

WHEELER AFB HI

67-70, 73-78

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS.

MONTH	HOURS LIST	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															
	03-05	33.3			33.3						33.3		4.0	3		
	06-08	7.9			45.9						30.9	12.4	5.5	865		
	09-11	2.2			45.3						37.4	15.1	6.2	927		
	12-14	.2	1.2		34.2	1.7	1.4	1.5		1.4	40.3	18.1	6.8	930		
	15-17	.6			38.9						42.2	18.2	6.8	928		
	18-20	3.9			45.4						33.8	17.0	6.1	831		
	21-23	11.8			50.8						24.4	13.1	5.0	459		
	TOTALS	8.6	.2		42.4	.2	.2	.2		.2	34.6	13.4	5.8	4943		

2
 DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

22506 WHEELER AFB HI

67-70,73-78

NOV

PERCENTAGE FREQUENCY OF OCCUPPENCE
 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
NOV	00-02				50.0						25.0	25.0	6.3	4
	03-05	16.7			50.0						33.3		4.5	6
	06-08	9.9			41.2						30.0	18.9	5.8	530
	09-11	2.5			39.8						36.1	19.7	6.6	685
	12-14	.7	.7		34.5	1.4	1.0	.7		.9	37.6	22.6	6.9	89
	15-17	.8			37.0						39.6	22.6	5.9	8
	18-20	6.1			40.1						32.3	21.5	6.3	781
	21-23	9.5			45.8						26.0	18.7	5.6	443
TOTALS		5.8	.1		42.3	.2	.1	.1		.1	32.7	18.6	6.1	4714

2
 DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

22506
STATION

WHEELER F B HI
STATION NAM

67-70,73-78
PERIOD

DEC
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		
DEC	00-02	16.7			5.6						66.7	11.1	7.3	18
	03-05	20.0			10.0						40.0	30.0	6.9	20
	06-08	11.2			38.5						33.3	16.9	5.8	829
	09-11	5.1			40.2						34.6	20.2	6.3	888
	12-14	2.0	.3		36.7	1.8	.8	.5		1.5	34.6	20.8	6.6	869
	15-17	3.0			35.0						41.2	19.7	6.8	856
	18-20	5.9			42.2						33.9	18.0	6.1	740
	21-23	11.1			40.7						32.2	16.0	5.7	388
TOTALS		7.4	.2		31.2	.2	.1	.1		.2	39.8	19.1	6.4	4607

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

22508 WHEELER AFB HI

67-70,73-79

ALL

STA

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	9.7	.2		38.8	.3	.2	.1		.2	31.6	18.8	5.9	4860
FEB		11.5	.3		39.7	.2	.1	.2		.3	30.5	17.2	5.7	4549
MAR		2.7			29.5	.2	.2	.2		.2	43.8	23.2	7.2	5026
APP		1.5	.1		37.4	.2	.2	.1		.1	40.1	20.3	6.8	4814
MAY		1.9			33.0	.2	.2	.2		.2	37.8	26.5	7.1	4953
JUN		2.9	.1		34.3	.2	.3	.2		.4	47.1	14.6	6.8	4799
JUL		3.1	.2		42.0	.1	.2	.2		.2	39.0	15.2	6.3	4918
AUG		1.7	.2		39.3	.2	.2	.1		.1	44.7	13.4	6.6	5015
SEP		4.6	.1		55.8	.2	.3	.1		.2	31.3	7.5	5.3	4833
OCT		8.6	.2		42.4	.2	.2	.2		.2	34.6	13.4	5.8	4943
NOV		5.8	.1		42.3	.2	.1	.1		.1	32.7	18.6	6.1	4714
DEC		9.4	.2		31.2	.2	.1	.1		.2	39.6	19.1	6.4	4607
TOTALS		5.3	.1		38.8	.2	.2	.2		.2	37.7	17.3	6.3	58033

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

NOTE: Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OLA to present these data may result in differences not exceeding $\pm 1^{\circ}$ F from directly converted values but excludes no Fahrenheit values.

- a. Extreme maximum temperature
- b. Extreme minimum temperature

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

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) † indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

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

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

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

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

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

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

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

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

2

DAILY TEMPERATURES

STATION
 STATION NAME

71-79

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60					1.1	7.4	15.1	31.9	49.2	19.0	.8	-	0.5
65	6.7	20.9	11.5	26.5	61.3	76.2	90.6	95.2	96.3	85.5	43.2	18.9	52.6
70	71.7	72.4	90.6	85.1	97.5	100.0	99.6	100.0	100.0	93.8	92.4	72.1	89.2
75	92.9	94.1	98.2	99.9	100.0		100.0			100.0	100.0	98.3	98.5
80	100.0	100.0	99.6	100.0								100.0	100.0
			100.0										100.0
MEAN	75.6	76.3	75.5	77.7	79.8	81.1	82.5	83.4	83.5	82.1	78.8	76.6	79.5
S D	3.250	3.355	2.959	2.906	2.284	2.377	2.249	2.503	1.956	2.818	2.923	3.190	3.960
TOTAL OBS	200	254	279	269	279	269	278	248	240	248	236	233	3102

2

DAILY TEMPERATURES

STATION SE-VILL/PAO STATION NAME 71-79 YEAR 74

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
7							1.1	1.6					.2
8	4.1	.6	.7	2.6	5.0	24.2	41.0	46.4	37.1	25.4	9.3	3.9	16.7
9	31.0	30.3	47.7	63.9	77.8	92.6	97.5	99.6	97.0	91.5	75.0	44.2	70.4
10	77.7	81.7	90.3	97.8	100.0	100.0	100.0	100.0	100.0	100.0	97.0	89.7	94.5
11	93.9	98.8	99.6	100.0							100.0	99.1	99.7
12	100.0	100.0	100.0									100.0	100.0
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	62.5	62.5	63.3	65.0	65.0	67.8	69.0	69.4	68.7	67.6	65.9	63.8	66.0
S.D.	3.856	3.259	2.978	2.484	2.124	2.197	2.368	2.433	2.182	2.365	2.893	3.545	3.891
TOTAL OBS	269	254	279	265	279	269	278	248	240	238	236	233	3102

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION WHEELER AFB WY STATION NAME WHEELER AFB WY YEARS 71-79

WOLF DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
71	* 78	82	80	81	83	84	84	85	85	84	81*	80	85
72	* 79	78	82	83	83	86	85	85	87	89	82*	78	89
73	* 80	83	80	81	81	84*	85	85	85	85*	84*	82	* 85
74	* 82	81	82	83	84*	86	86	90	87	85	82*	82	83
75	* 79	79	83	82	83	84	83	83	84	84	82*	82	84
76	* 81	79	80	79	83	84	85	86	86	87	84*	82	87
77	* 81	83	81	83	83	86	85	88	88	88*	86*	84	88
78	* 81	81	84	84	84	86	89	89	88	86*	84*	82	88
79	* 79	82	82*	82	85	86	89						
MEAN		80.8	81.2	81.6	83.2	85.0	85.8	86.4	86.3	85.0	82.2		
S.D.		1.667	1.394	1.685	1.093	1.069	2.188	2.387	1.488	1.852	1.095		
TOTAL OBS	269	254	279	269	279	269	278	248	243	248	236	233	3102

NOTES * (BASED ON LESS THAN FULL MONTHS)

2
 1111

EXTREME VALUES
 MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

STATION: REDF- AFB HI STATION NAME: 71-79 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS		
71	*	52	58	56	62	63	62	64	65	65	61	62*	58	*	52
72	*	55	54	55	62	63	63	65	66	64	64	57*	51	*	51
73	*	57	55	52	58	59	63*	65	67	66	63*	63*	58		56
74	*	59	59	57	61	63*	65	65	65	66	66	59*	60		57
75	*	55	57	52	59	61	65	64	64	64	63	62*	57	*	52
76	*	59	54	54	62	62	63	64	65	66	64	58*	59		54
77	*	55	58	52	51	63	64	65	66	63	64*	61*	57	*	57
78	*	53	54	55	61	64	64	65	67	67	62*	59*	58	*	53
79	*	56	59	59*	57	62	64	65							
MEAN		55.6	57.4	60.3	62.2	63.5	64.8	65.6	65.1	65.4	65.8				
S D.		2.128	3.046	1.889	1.563	.926	.707	1.061	1.358	1.506	2.382				
TOTAL OBS.		259	254	279	259	279	270	248	240	248	236	233	3102		

NOTES * (BASED ON LESS THAN FULL MONTHS)

OFFICIAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22505 WHEELER AFB HI

73,75

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
60/64				3.8															1	1		
61/67				3.8	3.8														2	2	1	
62/60		11.5	3.8																4	4	3	1
64/63		19.2		3.8															6	6	1	4
62/61		15.4																	4	4	7	3
61/59		19.2	3.8																6	6	5	8
61/57		11.5																	3	3	5	3
56/55																					4	5
47/53																						2
TOTAL		76.9	15.4	7.7															26	26	26	26

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.	205610	2308	88.8	5.408	26							
Dry Bulb	101250	1620	62.3	3.586	26			10.7				93
Wet Bulb	94937	1569	60.3	3.187	26			3.5				93
Dew Point	90780	1534	59.0	3.311	26							93

USAFETAC FORM 0-20-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02600 WHEELER AFB MI
STATION

58-70,73-79
YEARS

JAN
MONTH

PAGE 1 0600-1800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73		.4	.7	.1														10	10	1															
71/ 71	.2	1.5	1.1	.8														31	31	7	5														
70/ 69	.1	2.8	3.5	1.3	.4	.1												70	70	24	18														
67/ 67	.9	6.2	6.0	2.3	.5													136	136	59	45														
67/ 65	1.3	1.6	3.7	1.8	.2													159	159	119	71														
64/ 63	.9	3.0	3.4	1.1	.5													160	160	167	126														
61/ 61	.2	1.1	1.9	.7														110	110	170	167														
59/ 59	.5	1.8	.8	.7	.1													110	110	142	149														
56/ 57	.6	4.1	1.1															49	49	102	141														
56/ 55	.1	1.1	.4	.1														14	14	40	77														
54/ 53		.4																3	3	16	23														
52/ 51		.2																2	2	5	18														
50/ 49		.1																1	1	3	9														
48/ 47																					5														
48/ 45																					1														
TOTAL	4.362	122.5	8.9	1.6	.1													855	855	855															

Element (X)	$\sum X^2$	$\sum X$	\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.	6689727	75323	88.1	7.951	855							
Dry Bulb	3524246	54786	64.1	4.007	855			26.9	1.1			93
Wet Bulb	3280363	52859	61.8	3.817	855			9.9	.1			93
Dew Point	3141420	51700	60.5	4.223	855			7.4				93

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22501 WHEELER AFB HI

65-70, 73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
75/ 75						.1	.1											2	2																
74/ 77		.1	.1	.3	1.1	1.1	.9	.1										34	34																
73/ 75		.7	.6	1.2	5.2	3.4	1.0	.7										119	119	1															
74/ 73		.3	2.1	7.5	5.4	3.4	.2	.2										174	174	6	3														
72/ 71		1.5	5.0	6.3	7.0	1.0	.1											200	200	21	9														
73/ 69		.2	3.6	5.7	5.1	3.1	.9	.2										172	172	59	38														
67/ 67		.5	3.3	5.0	2.0	1.5	.8											128	128	219	81														
66/ 65		.3	1.4	1.5	1.7	.7	.1											52	52	263	129														
64/ 63		.2	.3	.7	.6	.3												19	19	182	159														
62/ 61		.1	.2	.3														6	6	63	158														
60/ 59																				35	128														
58/ 57																				20	84														
57/ 55																				5	40														
54/ 52																					17														
52/ 51																					10														
51/ 49																					10														
TOTAL	1.311	.821	.925	.524	.311	.3	3.4	.6										906	906	906	906														

USAFETAC FORM 01-64 U-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5071306	66992	73.9	11.406	906							
Dry Bulb	4593197	64439	71.1	3.323	906			85.1	33.2			93
Wet Bulb	3889196	59298	65.5	2.996	906			34.7	.9			93
Dew Point	3517344	55326	62.2	4.146	906			13.4	.3			93

SIGNAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: WHEELER AFB HI STATION NAME: 68-70, 73-79 YEARS: JAN MONTH: 1239-1499 HOURS (L. S. T.):

PAGE 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
81						.1	.3	.2										6	6																
79					.3	3.0	2.4	1.5	.4									79	73																
77			.4	.9	4.4	7.8	5.4	1.5										186	186																
75		.2	.9	1.8	7.8	10.0	3.4	.3										222	222																
73		.4	2.4	6.4	3.5	4.9	1.0	.2										173	173	13	1														
71	.2	1.1	2.6	3.6	4.0	1.4	.4										122	122	33	17															
69		2.1	2.0	1.0	1.3	1.3	.3										73	73	162	31															
67		1.8	.1	.6	.6	.1											36	36	283	62															
65		.4	.3	.4													11	11	251	113															
63	.2	.2	.1														5	5	92	165															
61		.2															2	2	41	169															
59																			24	132															
57																			7	94															
55																				49															
53																				15															
51																				12															
49																				6															
TOTAL	.4	6.5	6.9	14.7	22.5	29.1	13.5	3.9	.4								936	936	936	936															

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

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	4119000	60084	66.312	1.84	906			91.2	67.4	2.9		93
Wet Bulb	5016384	67346	74.3	3.379	906			58.4	1.3			93
Dew Point	4319421	60295	66.6	2.729	906			13.9	.1			93
	3593177	56213	62.7	4.129	906							

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22533 WHEELER AFB HI

68-70, 73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
91							.1											1	1		
79				.1			.9		.3	.1								19	19		
77			.7	.4	2.3	3.4	2.4	.7										87	67		
75		.3	.7	2.2	6.7	3.6	2.1	.6										193	193		
73		.3	2.4	8.6	7.2	6.4	.6											231	231	10	1
71	.1	.8	3.5	4.8	7.2	1.7	.2											165	165	22	14
69	.1	2.8	2.7	2.0	3.2	.8	.1											105	105	106	29
67		2.5	1.8	1.0	1.0	.7												63	63	260	73
65	.3	.3	.6	.8	.6													3	23	286	113
63		.2	.1	.6	.1													9	9	127	167
61	.3	.1	.2															6	6	46	253
59																				29	132
57																				14	86
55																					52
53																					17
51																					13
49																					1
47																					1
TOTAL	.9	7.4	12.3	20.5	29.5	22.4	6.3	1.6	.1									902	902	902	902

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.	4456216	62524	69.3	11.648	902							
Dry Bulb	4794642	65696	72.8	3.325	902			89.1	54.7	.4		93
Wet Bulb	3928406	59474	65.9	2.777	902			41.0	1.0			93
Dew Point	3474964	55868	61.9	4.728	902			12.1	.1			93

USAFETAC FORM 0-26-5 (GLA) REVISION REVISED EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22506 WHEELER AFB HI
 STATION STATION NAME

68-70, 73-79

YEARS

JAN
 MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
70/ 75			.1	.1	.1	.1	.1										5	5		
74/ 73		.2	1.6	3.8	1.5	.2											60	63		
77/ 71		2.5	5.4	6.5	4.3	.5											156	156	10	
70/ 67	.1	3.9	1.1	8.5	3.8	.1											224	224	44	29
74/ 67	.4	4.1	9.0	5.9	1.4	.1											169	170	142	54
66/ 65	.4	5.9	5.9	4.2	.4												136	136	211	112
64/ 67	.2	1.6	1.4	1.2	.9												43	43	228	179
62/ 61		.2	.5	1.1													15	15	106	167
60/ 59		.1	.2														3	3	38	128
58/ 57		.1															1	1	23	83
56/ 55																			10	23
54/ 53																				21
52/ 51																				9
50/ 49																				4
TOTAL	1.1	18.7	35.2	31.4	12.3	1.1	.1										812	812	812	812

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of hours with Temperature						
Rel. Hum.	5182847	64463	79.4	8.971	812	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80	≥ 73 F	Total
Dry Bulb	3838267	55813	68.7	2.865	813			70.4	7.4			93
Wet Bulb	3375580	52300	64.4	2.937	812			22.4				93
Dew Point	3126052	50288	61.9	3.789	812			9.8				93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02503 WHEELER AFB MI 68-73,73-79 YEARS JAN MONTH

PAGE 1 2100-2300
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73			.4	1.1													7	7																	
72/ 71	.2	3.1	1.5	.4													24	24	5	3															
70/ 69	.4	2.9	7.3	3.7	.7												68	68	17	16															
69/ 67		6.2	11.4	3.1													94	94	38	11															
66/ 55	1.1	13.2	11.6	3.7	.4												137	137	90	55															
64/ 63	.2	9.7	4.0	.9	.7												70	70	124	91															
62/ 61	.2	4.2	2.6	1.1	.4												39	39	93	108															
61/ 59		1.5	.9	.4													13	13	45	36															
59/ 57		.2	.2														2	2	21	43															
58/ 55		.2															1	1	13	16															
54/ 53																			4	16															
52/ 51																				6															
50/ 49																				2															
48/ 47																				2															
TOTAL	2.2	41.1	40.0	14.5	2.2												455	455	455	455															

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3299407	38537	84.8	7.708	455							
Dry Bulb	1992281	38077	66.1	3.002	455			39.4	1.4			93
Wet Bulb	1818413	28727	63.1	3.217	455			12.3				93
Dew Point	1721144	27928	61.4	3.903	455			6.1				93

USAFETAC FORM NO. 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22808 PEELER AFB MA
STATION STATION NAME

66-70, 73-79
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	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
81						.7	.1	.7										7	7		
79				.7	.1	.7	.6	.3	.1									91	91		
77		.0	.2	.3	1.5	2.3	1.6	.4										307	307		
75		.2	.4	1.0	3.7	4.1	1.4	.2										539	539	1	
73		.3	1.7	5.0	3.3	2.8	.3	.1										655	655	32	5
71	.1	1.6	3.3	4.1	4.1	.9	.1											698	698	98	51
69	.1	3.0	5.1	3.5	2.2	.6	.1											713	713	442	161
67	.3	3.8	5.1	2.4	.9	.4	.7											628	629	1002	346
65	.5	4.7	3.2	1.9	.4	.0												522	522	1223	594
63	.3	3.7	1.4	.7	.4													312	312	921	941
61	.1	2.4	.7	.5	.7													182	182	533	985
59	.1	2.2	.3	.2	.7													132	132	318	763
57	.1	.8	.2															55	55	192	534
55	.0	.2	.1	.0														15	15	72	262
53		.1																3	3	20	111
51		.7																2	2	5	68
49		.0																1	1	3	32
47																					8
45																					1
TOTAL	1.723	121.719	516.611	94.3	1.1	.1												4862	4863	4862	4862
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	29024115	370281	70.213	0.221	4862	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	23860477	339777	69.9	4.975	4863			556.7	244.6	4.9		744									
Wet Bulb	20406316	314522	64.7	3.511	4862			241.0	5.0			744									
Dew Point	18574861	299857	61.7	4.097	4862			26.2	.8			744									

USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2200 STATION WHELEP AFB HI STATION NAME 73 YEARS FEB MONTH
 PAGE 1 0300-0500 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 65		33.3																2	2																
52/ 61		33.3																2	2	2	2														
60/ 59																				2	2														
55/ 57		33.3																2	2																
50/ 55																				2	2														
TOTAL		0																6	6	6	6														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	51733	557	92.8	2.229	6							
Dry Bulb	22005	363	60.5	2.950	6							64
Wet Bulb	1160	356	59.3	2.733	6							84
Dew Point	20573	351	58.5	2.811	6							84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22500 WHEELER AFB HI

58-70, 73-79

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 71		.3	.6	.3	.1													10	10		
69/ 69	.3	1.5	2.4	1.4	.1													45	45	7	6
68/ 67	1.1	6.8	5.7	3.4	.5													138	139	30	20
67/ 65	.9	10.1	6.8	2.3	.4													162	162	108	61
64/ 63	1.3	10.5	5.1	1.5	1.1	.1												156	156	153	106
62/ 61	1.0	12.4	2.5	.9	.5													137	137	186	139
61/ 59	2.0	6.7	1.1	.3														80	80	150	208
58/ 57	.6	3.9	.1															37	37	83	106
56/ 55	.1	2.8																23	23	52	71
54/ 53		.3																2	2	21	43
52/ 51																					15
50/ 49																					11
48/ 47																					4
TOTAL	7.255	42.4	41.0	0	2.6	.1												790	790	790	790

Element (X)	Σx^2	Σx	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6091675	69329	87.4	8.722	790							
Dry Bulb	3217847	50343	63.7	3.511	790			23.5				84
Wet Bulb	2981283	48459	61.3	3.337	790			3.9				84
Dew Point	2841785	47283	59.9	3.869	790			2.8				84

USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02002 WHEELER AFB MI
 STATION STATION NAME

68-73, 73-79
 YEARS

FEB
 MONTH

PAGE 1 0900-1100
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
79/ 79			.1			.5	.5	.5										13	13																
77/ 77			.1	.7	1.3	1.7	2.3	.7										59	59																
75/ 75			.6	2.5	3.7	6.0	.9	.2										118	118	1															
73/ 73		.2	1.4	6.4	4.7	3.3	.8											143	143	3	1														
71/ 71	.1	1.2	3.8	7.1	5.2	1.9	1.2	.1										174	174	17	4														
69/ 69	.1	2.8	6.3	5.8	3.3	1.2	.2											162	162	82	24														
67/ 67	.5	1.4	3.2	3.3	1.9	.8												94	94	196	66														
65/ 65	.1	2.2	1.7	1.1	.8	.2												52	52	247	109														
63/ 63	.1	.8	.9	.6	.5													25	25	165	156														
61/ 61	.2	.2	.1	.1														5	6	74	182														
59/ 59																				41	122														
57/ 57																				17	97														
55/ 55																				3	37														
53/ 53																					22														
51/ 51																					14														
49/ 49																					13														
47/ 47																					2														
TOTAL	1.2	9.0	18.0	27.5	21.5	15.6	5.7	1.5											846		846														
																			846		846														

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4484974	60794	71.9	11.731	846	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	4328279	60433	71.4	3.660	846			75.8	33.1	.6		84
Wet Bulb	3607718	55188	65.2	2.995	846			29.7	.4			84
Dew Point	3225502	52120	61.6	4.145	846			9.4	.1			84

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

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 2250F HEELER AFB HI STATION NAME: HEELER AFB HI YEARS: 69-70, 73-79 MONTH: FEB
 PAGE 1 1530-1700
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
81/ 81					.1	.1			.5	.2								8	8																
79/ 79				.6	.4	1.3	1.5	1.3		.4								46	46																
77/ 77			.4	.6	3.4	3.1	3.4	.7	.2									100	100																
75/ 75			.4	1.8	7.2	7.6	2.2	.6										167	167	2															
73/ 73			2.4	5.7	6.2	8.0	.3	.1										196	196	9	2														
71/ 71	.1	.8	2.7	4.7	5.6	2.6	1.3											151	151	21	10														
69/ 69	.1	1.4	1.9	3.3	2.5	.7	.4											88	88	101	18														
67/ 67	.4	2.1	.9	.8	1.2	.8												53	53	127	60														
65/ 65		1.1	1.2	.2	.5	.2												27	27	232	106														
63/ 63	.2	.2	.4															7	7	155	145														
61/ 61		.1	.1															2	2	59	167														
59/ 59																				26	142														
57/ 57																				13	105														
55/ 55																					37														
53/ 53																					32														
51/ 51																					14														
49/ 49																					7														
TOTAL	.8	5.8	10.3	17.8	27.1	24.5	9.7	3.2	.8									845	845		845														
																					845	845													

Element (X)	Σx^1	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	3941738	56832	67.3	11.894	845			80.4	51.4	2.5		84
Wet Bulb	4545377	61901	73.3	3.574	845			35.8	1.1			84
Dew Point	3665436	55600	65.8	2.884	845			8.9	.2			84

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

USAFETAC
 CLIMATE CLIMATOLOGY BRANCH
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 27575 WHEELER AFB MI STATION NAME: 66-73,73-79 YEARS: FEB MONTH: 1800-2000

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
77 / 77																		1	1		
75 / 75					.1	.4	.4											8	8		
73 / 73			.1	1.5	3.9	2.3	1.7	.3										72	72		
71 / 71			.8	3.7	8.6	4.1	.6	.1										140	140	2	
69 / 69		.3	3.0	11.3	8.9	4.1	.5											215	215	31	10
67 / 67		1.3	3.7	8.1	7.0	3.1	.5											183	163	127	52
65 / 65		.1	1.8	4.1	4.5	1.3												92	92	217	91
63 / 63		.5	1.2	2.1	1.2	.9	.1											46	46	189	157
61 / 61		.1	.9	.4	.5													15	15	112	153
59 / 59			.4		.1													4	4	66	147
57 / 57																				22	81
55 / 55																				10	40
53 / 53																					20
51 / 51																					20
49 / 49																					4
47 / 47																					1
TOTAL	2.3	11.9	30.9	34.8	16.2	3.5	.4											776	776	776	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel Hum.	4689359	59859	77.1	9.636	776							
Dry Bulb	3678741	53381	68.8	2.933	776			67.0	8.8			84
Wet Bulb	3190113	49703	64.1	2.923	776			17.3				84
Dew Point	2919595	47503	61.2	3.884	776			6.7				84

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2255c WHEELER AFB HI
 STATION STATION NAME

68-70, 73-79
 YEARS

FEB
 MONTH

PAGE 1 2106-2303
 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														
74/ 73				.2															1	1															
72/ 71		1.4	2.0	1.1															20	20	1														
70/ 69		3.0	7.3	2.5	.7	.2													58	58	6	3													
68/ 67	.2	5.5	10.9	4.5	1.4														99	99	33	19													
66/ 65	1.4	12.3	12.3	5.0	.9														139	139	85	36													
64/ 63	.5	5.2	6.6	4.1	.5														74	74	122	99													
62/ 61	.2	3.2	3.0	.9	.5														34	34	80	85													
60/ 59		1.6	1.4																13	13	68	61													
58/ 57			.2																1	1	34	49													
56/ 55		.2																	1	1	9	42													
54/ 53																					2	14													
52/ 51																						7													
50/ 49																						5													
TOTAL	2.3	32.3	43.4	18.4	3.4	.2													440	440	440	440													

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3069287	36569	83.1	8.265	440							
Dry Bulb	1915572	29006	65.9	2.796	440			34.0	.2			84
Wet Bulb	1730207	27559	62.6	3.046	440			7.6				34
Dew Point	1622761	26667	60.6	3.865	440			4.2				84

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

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22EUS AFEELE AFB HI 58-73, 73-79 FEB
STATION NAME YEARS MONTH
PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
58/51						.1	.1	.2	.4	.2								1	1																
59/51							.4	.9	1.0	.7	.2							43	43																
60/51			.3	.2	.4	.9	1.0	.7	.2									153	153																
61/51			.1	.5	1.7	2.0	2.6	.5	.1									358	358																
62/51			.3	1.2	3.1	3.9	1.3	.4										464	464	4															
63/51		.1	1.1	3.4	3.3	3.2	.6	.0										543	543	26	4														
64/51	.0	.9	2.5	4.3	3.2	1.1	.7	.7										579	579	78	26														
65/51	.2	2.3	4.7	4.3	2.3	.7	.2	.3										639	639	367	94														
66/51	.6	3.1	4.4	3.3	1.4	.5												596	596	646	287														
67/51	.4	4.1	3.7	1.9	.7	.1												493	493	1109	497														
68/51	.5	2.9	2.1	1.0	.5	.3												320	320	906	600														
69/51	.3	2.7	.8	.4	.1													196	196	561	894														
70/51	.4	1.4	.3	.1														97	97	374	918														
71/51	.1	.7	.0															40	40	177	537														
72/51	.0	.5																24	24	77	291														
73/51		.0																2	2	23	163														
74/51																					87														
75/51																					41														
76/51																					7														
77/51																					2														
TOTAL	2,413	825	219	916	612	6	6	2.3	.5									4548	4548	4548															

Element (X)	Z _X ²	Z _X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 90 F	Total
Rel. Hum.	25949575	337669	74.3	13.670	4548							
Dry Bulb	22448311	315633	70.1	5.241	4548			498.8	230.8	15.2		672
Wet Bulb	18524209	292937	64.4	3.513	4548			195.2	0.4			672
Dew Point	17344198	277762	61.1	4.138	4548			60.7	.6			672

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

FEDERAL CLIMATOLOGY BRANCH
 WAFBAC
 U.S. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: WHEELER AFB MI 49777
 YEARS: 1953
 MONTH: 0300-0900
 HOURS U.S.T.

PAGE 1

Temp IF	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7/54				25.0														1	1																
47/50		30.0	25.0															3	3	1															
47/52																				2	2														
42/51																				1	1														
47/59																					1														
TOTAL		30.0	25.0	25.0														4	4	4	4														

USAFETAC FORM 0-20-5 (OLD) PRINTED IN YOUR INTEREST FOR YOUR INFORMATION

Element (X)	Σx	Σx^2	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	29755	248	66.8	2.689	4	0 F	32 F	57 F	73 F	80 F	93 F	
Dry Bulb	17738	268	66.5	2.380	4			23.3				93
Wet Bulb	15133	254	63.4	1.732	3							93
Dew Point	15394	248	62.0	2.447	4							93

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 68-70,73-79 MAR
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	
74/ 73				.2	.1													3	3			
72/ 71			.6	.5	.3													12	12			
70/ 69	.1	1.5	3.6	2.7	1.1													80	80	2	1	
68/ 67	.3	5.5	11.1	4.9	1.0	.1												199	199	33	21	
66/ 65	1.5	13.4	10.7	4.4	.5													267	267	147	75	
64/ 63	.2	9.6	7.4	.9	.6													164	164	262	150	
62/ 61	.3	6.9	1.9	.2														83	83	196	196	
60/ 59	.1	4.7	.6	.2														49	49	163	189	
58/ 57	.2	1.1	.3															15	15	55	163	
56/ 55		.7																6	6	14	52	
54/ 53		.1																1	1	7	16	
52/ 51																					13	
50/ 49																					3	
TOTAL	2.8	43.5	36.3	13.8	3.5	.1														879	879	
																					879	879
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	6400071	74655	84.9	8.232	879	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	3736269	57249	65.1	2.954	879			31.1	.3			93										
Wet Bulb	3408923	54687	62.2	2.736	879			3.7				93										
Dew Point	3221817	53139	60.5	3.264	879			2.3				93										

6866 USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22808 WHEELER AFB MI 68-70, 73-79 YEARS MAR MONTH
 STATION STATION NAME YEARS MONTH
 PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
81					.1													1	1						
79				.1	.1	.5	.3	.6	.1									17	17						
77				.1	1.0	2.5	3.1	.3	.1									66	66						
75			.3	1.0	4.5	7.0	2.8	.2										147	147						
73			.5	4.5	7.6	7.2	1.0											194	194	3					
71		1.0	4.2	7.2	7.8	2.4	.4											214	214	7					
69		1.8	6.5	5.3	3.5	.3												162	162	53					
67	.5	2.8	3.3	2.0	1.2	.1												93	93	217					
65		1.4	.9	.8														28	28	368					
63		.3	.1	.1														5	5	202					
61		.2	.1															3	3	60					
59																				17					
57																				3					
55																				39					
53																				16					
51																				2					
49																				1					
TOTAL	.5	7.5	15.9	21.1	25.9	20.0	7.6	1.2	.2									930	930	930					
Element (X)	Σx²	Σx	X̄	s²	No. Obs.	Mean No. of hours with Temperature					Total														
Rel. Hum.	4652518	64918	69.8	11.411	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	4850146	67094	72.1	3.233	930			89.4	42.5	.5		93													
Wet Bulb	3982098	60820	65.4	2.225	930			28.0	.3			93													
Dew Point	3524198	57165	61.5	3.345	930			6.1				93													

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

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22503 WHEELER AFB MI 68-70,73-79 STATION NAME YEARS
 STATION MONTH
 PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
47/ 83								.1									1	1		
52/ 81						.1		.5		.6							16	16		
50/ 79				.3	.3	3.2	2.7	3.0	1.3								101	101		
77/ 77				.8	3.9	7.1	11.1	2.8	.1								239	239		
78/ 75			.8	1.0	6.5	10.9	5.3	1.3									240	240		
74/ 73			1.4	3.4	4.6	5.5	.6	.2									147	147		
72/ 71		.4	2.3	3.2	3.1	.5	.1	.1									91	91	25	4
70/ 69		1.0	2.3	1.5	1.4	.6											63	63	115	23
66/ 67	.1	.4	.6	.4		.3											18	18	313	54
66/ 65	.3	.4	.2														9	9	292	87
64/ 63		.3															3	3	134	165
62/ 61	.1																1	1	34	198
60/ 59																			7	198
57/ 57																			1	114
56/ 55																				48
54/ 53																				32
52/ 51																				5
50/ 49																				1
TOTAL	.5	2.6	7.5	10.7	19.9	28.6	8.0	2.0									929	929	929	929
Element (X)	ΣX²	ΣX	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	3775601	58253	62.7	11.505	929	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	5258590	69828	75.2	3.281	929			91.7	74.5	6.1		93								
Wet Bulb	4097749	61663	66.4	2.280	929			46.1	.8			93								
Dew Point	3497356	56898	61.2	3.678	929			8.1				93								

USAFETAC FORM 0-26-5 (OL A) 7 JUL 64 REVID WITHOUT INDICHS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 68-70, 73-79 MAR
 STATION STATION NAME YEARS MONTH
 PAGE 1 1600-2000
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
72/ 75			.1	.6	.3	.8		.1										17	17																
74/ 73			1.0	1.9	3.1	1.9	.3											73	73																
72/ 71		.7	2.5	8.7	7.6	1.2												183	183	1															
70/ 69	.1	1.9	8.5	16.8	5.5	.3												292	292	27	8														
68/ 67		4.0	11.4	6.8	1.9	.1												213	213	81	34														
66/ 65	.1	1.8	3.1	2.7	.6													73	73	286	75														
64/ 63	.1	1.6	.5	.7														25	25	344	141														
62/ 61		.2	.1															3	3	103	280														
60/ 59	.1																	1	1	30	199														
58/ 57																				6	100														
56/ 55																					28														
54/ 53																					11														
52/ 51																					3														
50/ 49																					1														
TOTAL	.5	10.2	27.2	38.3	19.0	4.4	.3	.1										880	880	880	880														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	5103194	66562	75.6	8.830	880							
Dry Bulb	4237782	61028	69.4	2.499	880			82.2	9.5			93
Wet Bulb	3636947	56541	64.3	2.166	880			11.5				93
Dew Point	3306512	53878	61.2	2.985	880			4.4				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

20000 WHEELER AFB HI 68-70, 73-79 MAR
STATION STATION NAME YEARS MONTH
PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
72/ 71		.6	.6	1.5	.2													14	14																	
70/ 69	.2	3.6	3.2	9.4	2.5													116	116	5	4															
68/ 67	.6	7.8	21.2	9.6	.6													190	190	30	15															
66/ 65		7.3	11.1	5.7	.2													116	116	107	45															
64/ 63		2.7	2.1	1.0														28	28	194	86															
62/ 61	.2	1.5		.6														11	11	103	140															
60/ 59			.4															2	2	31	106															
58/ 57																				6	61															
56/ 55																				1	12															
54/ 53																					4															
52/ 51																					3															
50/ 49																					1															
TOTAL	1.0	23.5	43.6	21.7	3.6	.6												477	477	477	477															

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3185540	38794	81.3	7.999	477							
Dry Bulb	2154630	32044	67.2	2.835	477			62.4				93
Wet Bulb	1923041	30269	63.5	2.179	477			6.0				93
Dew Point	1792049	29232	61.2	3.002	477			3.7				93

USAFETAC FORM 7-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOURNAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 76 APR
 STATION STATION NAME YEARS MONTH

PAGE 1 0000-020
 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
67 / 67			23.3															5	5																
66 / 65			16.7															1	1	3															
64 / 62																					3														
62 / 61																																			
TOTAL			0.0															6	6	6	6														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	42336	504	84.0	.000	6	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90
Dry Bulb	27200	404	67.3	.816	6			75.0				90
Wet Bulb	24836	386	64.3	.816	6							90
Dew Point	23316	374	62.3	.816	6							90

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

JOINT CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 U.S. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION WHEELER AFB HI STATION NAME

75, 75

YEARS

APR

MONTH

PAGE 1

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
57			33.3	11.1														4	4																	
58		22.2	22.2	2.2														4	4	1																
59		11.1																1	1	4	4															
61																				4	2															
65																					3															
TOTAL		33.3	55.6	11.1														9	9	9	9															

Element (X)	ΣX'	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	66828	774	86.0	5.745	9							
Dry Bulb	39087	593	65.9	1.364	9			40.0				90
Wet Bulb	35859	568	63.1	1.167	9							90
Dew Point	34249	559	61.7	1.732	9							90

6270
 USAFETAC FORM 0-26-5 (OL A)
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 6800 WHEELER AFB HI STATION NAME 68-70,73-79 YEARS APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
75/ 75					.1													1		1																	
74/ 73			.2	.4														8	8																		
72/ 71		.4	2.3	4.4	1.0	.1												76	76	1	1																
70/ 69	.2	1.7	7.7	6.9	2.5													159	159	13	7																
67/ 67	.4	7.7	13.2	5.5	.2													225	225	61	24																
66/ 65	.5	12.9	9.6	1.9														209	209	212	88																
64/ 63	.2	7.9	3.0	.1	.1													95	95	306	165																
62/ 61	.6	4.4	.2	.1	.4													48	48	167	265																
60/ 59		1.4																12	12	56	169																
58/ 57		.2																2	2	11	77																
56/ 55																				3	14																
54/ 53																				5																	
52/ 51																					2																
50/ 47																					3																
TOTAL	2.03	6.63	6.21	9.4	5.6	.1												835		835	835																

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	5382461	69727	83.5	8.473	835							
Dry Bulb	3740374	55834	66.9	2.280	835			50.6	1.0			90
Wet Bulb	3379808	53068	63.6	2.337	835			6.1				90
Dew Point	3180120	51476	61.7	2.789	835			3.4				90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 U.S. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22018 WHEELER AFB MI 68-72, 73-79 YEARS 190 MONTH
 STATION MONTH
 PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																			
4/ 53																																		1	1					
2/ 81											.3	.2	.1																						6	6				
5/ 79				.2	.1	.3	2.7	1.0	1.2	.1																									51	51				
7/ 77				.4	.7	2.8	4.1	4.5	.3																										115	115				
5/ 75				.1	.7	1.7	6.5	8.9	2.1	.2																									199	199	2	2		
4/ 73				.7	1.5	6.7	9.4	5.5	.3																										216	216	9	3		
7/ 71				.9	3.8	6.6	4.5	1.5																											154	154	32	13		
7/ 69				1.3	4.3	3.9	.8	.1																											93	93	114	26		
6/ 67		.1	1.7	1.2	.6	.4																													36	36	279	57		
6/ 65		.2	1.0	.2	.2	.3	.2																												20	20	313	123		
5/ 63		.1				.1																													2	2	116	234		
2/ 61						.1																													1	1	17	242		
7/ 59																																						5	127	
5/ 57																																						5	72	
6/ 55																																					2	21		
5/ 53																																							3	
2/ 51																																							3	
5/ 49																																							3	
TOTAL	.4	5.7	12.4	26.5	27.3	23.4	5.2	2.8	.1																											894	694	894	894	

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	4305805	61281	68.5	10.853	894							
Dry Bulb	4861578	55860	73.7	3.303	894			67.7	59.2	2.6		90
Wet Bulb	3957443	59441	66.5	2.432	894			43.9	1.1			90
Dew Point	3476635	55625	62.4	3.461	894			9.9	.5			90

USAFETAC FORM 0-26.5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOINT CLIMATOLOGY BRANCH
USAFETAC
41 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2000 WHEELER AFB HI 08-70,73-79 APR MONTH

PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																					
64/ 63																																			6	3						
65/ 64					.1	.2	1.1	3.3	1.0																										70	70						
66/ 65				.1	.3	1.2	6.8	5.3	6.5	1.3	.1																								193	193						
67/ 66				.6	1.1	3.7	7.6	6.5	1.1																										220	220						
68/ 67			.1	.7	2.2	5.6	8.7	2.4	.2																										178	178	2					
69/ 68			.4	3.8	3.6	3.2	.3																												102	102	13	3				
70/ 69		.2	2.1	1.7	1.5	.6	.3																												57	57	58	1				
71/ 70	.1	.4	2.2	1.6	.6	.3	.1																												42	45	184	22				
72/ 71		.4		.1	.1	.2																													8	8	301	51				
73/ 72		.3		.2	.2																														9	9	254	147				
74/ 73																																					57	172				
75/ 74																																					13	206				
76/ 75																																					5	150				
77/ 76																																					6	79				
78/ 77																																						35				
79/ 78																																							0			
80/ 79																																							0			
81/ 80																																								0		
82/ 81																																								0		
83/ 82																																								0		
TOTAL		.1	1.6	6.2	11.2	16.7	50.9	21.2	10.2	1.0	.1																												893	893	693	

Element (X)	Σx^2	Σx	\bar{x}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3515271	55241	61.916	0.425	893	0 F	32 F	67 F	73 F	80 F	93 F	90
Dry Bulb	5224589	66237	76.4	3.411	893			89.1	77.7	16.1		90
Wet Bulb	4045333	60063	67.3	2.455	893			56.2	1.5			90
Dew Point	3456524	55462	62.1	3.659	893			8.7	.3			90

USAFETAC FORM NO. 44 0-26-5 (O.I.A) REVISION WITHOUT EDITORS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22509 WHEELER AFB HI 68-70,73-79 APR
 STATION MONTH
 1500-1700
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83							.3	.1										4	4		
82/ 81					.4	.4	1.3	.6	.3									27	27		
80/ 79				.1	.7	3.6	3.0	2.2	.6	.1								92	92		
78/ 77			.2	.7	3.4	7.3	8.6	.8	.1									188	188		
76/ 75		.2	.4	1.9	8.3	9.3	3.8	.3	.1									218	218	1	
74/ 73		.3	.3	5.0	6.2	4.0	.1											143	143	13	2
72/ 71		.6	2.8	3.9	5.0	1.1												120	120	30	9
70/ 69		.7	2.9	2.6	1.0	.6												71	71	131	18
68/ 67	.2	.7	1.1	.1	.4													23	23	302	44
66/ 65		.1			.2	.2												5	5	303	140
64/ 62				.1	.2													3	3	83	174
62/ 61																				22	228
60/ 59																				2	150
58/ 57																				5	36
56/ 55																				2	28
54/ 53																					6
52/ 51																					6
50/ 49																					1
48/ 47																					2
TOTAL	.2	2.6	7.8	14.7	25.7	26.5	17.2	4.0	1.1	.1									894		894
																			894		894

Element (X)	Σ X ²	Σ X	X̄	S _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3847481	57889	64.8	10.529	894							
Dry Bulb	5030507	66993	74.9	3.397	894			89.2	67.7	6.5		90
Wet Bulb	3979818	59610	66.7	2.402	894			48.0	1.4			90
Dew Point	3449073	55441	62.0	3.498	894			7.3	.2			90

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

6872

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22503 WHEELER AFB HI
 STATION

68-70, 73-79
 YEARS

APR
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
75/ 77					.4	.1		.1										5	5		
75/ 75		.1	.5	.8	1.9	1.6	.2	.1										44	44		
74/ 73		.2	1.2	4.9	5.3	2.7	.1											120	120	1	1
72/ 71	.1	1.0	4.6	12.3	7.0	.7												213	213	12	3
70/ 69		2.5	11.4	12.4	4.9	.2												262	262	37	15
68/ 67		2.8	8.4	3.7	1.1													133	133	152	37
66/ 65		1.9	1.9	1.1														41	41	313	103
64/ 63		.1	.1	.2	.4	.1												8	8	245	193
62/ 61			.1	.4														4	4	46	252
60/ 59																				15	140
58/ 57																				3	50
56/ 55																				6	24
54/ 53																					5
52/ 51																					4
50/ 49																					1
48/ 47																					2
TOTAL	.1	8.7	28.3	35.9	21.0	5.4	.4	.2										830	830	830	830
Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature										Total					
Rel. Hum.	4751634	62372	7	8.825	830	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				90						
Dry Bulb	4116018	58410	1	2.576	830						84.3	18.3				90					
Wet Bulb	3520788	54024	1	2.307	830						21.9	.1				90					
Dew Point	3201833	51485	62.0	3.147	830						6.1	.1				90					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 66-70,73-79 APR
 STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
74/ 75				.2													1	1		
72/ 71		1.5	3.9	3.5	1.1												46	46		
70/ 69	.2	5.7	14.9	7.2	2.9												141	141	14	7
68/ 67	.2	5.0	19.7	7.2	.7												150	150	61	26
66/ 65		8.6	11.2	2.2													100	100	135	53
64/ 63		1.5	1.3	.4	.2												16	16	157	131
62/ 61		.4															2	2	72	118
60/ 59																			15	74
58/ 57																			1	37
56/ 55																			1	8
54/ 53																				1
52/ 49																				1
TOTAL	.4	22.8	51.1	20.8	4.8												456	456	456	456

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3082842	37342	81.9	7.397	456	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2107652	30988	68.0	2.004	456			66.7	.2			90
Wet Bulb	1688606	29330	64.3	2.146	456			14.8				72
Dew Point	1767657	28361	62.2	2.867	456			6.5				90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 62730

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22570 WHEELER AFB HI 72, 76 MAY
 STATION NAME YEARS MONTH
 PAGE 1 0000-0200
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
76/ 75						50.0												2	2	1	
56/ 67																		2	2	1	
56/ 65		50.0																	2	2	1
54/ 63																					2
62/ 61																					4
TOTAL		50.0				50.0												4	4	4	4

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 3 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	23402	300	75.0	17.340	4							
Dry Bulb	19851	281	70.3	6.076	4			46.5	46.5			93
Wet Bulb	16783	259	64.8	2.062	4			23.3				93
Dew Point	15130	246	61.5	.577	4							93

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

6074

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22506 WHEELER AFB HI 65-76,73-79 MAY
 STATION STATION NAME YEARS MONTH
 PAGE 1 0600-0800
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
75/ 77				.1	.1													2		2																	
76/ 75			.1	1.4	1.7	.2	.1											32		32																	
74/ 73		.1	1.1	3.7	2.1	.7												65		65																	
72/ 71	.1	1.2	4.8	7.8	3.2	.4												149	149	9	2																
71/ 69	.1	4.1	9.9	5.7	.9													178	178	42	16																
69/ 67	.7	9.1	14.9	1.1	.1													221	221	166	55																
66/ 65	.5	10.3	6.2	.2	.1													148	148	305	170																
64/ 63		4.2	1.2	.2														48	48	244	268																
62/ 61		1.4																12	12	72	226																
60/ 59		.1																1	1	17	95																
58/ 57																				1	20																
56/ 55																					3																
52/ 51																					1																
TOTAL	1.4	30.5	38.1	20.3	8.3	1.3	.1											856		856		856															
																		856		856																	

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5892943	70639	82.5	8.673	856	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4053937	58849	68.7	3.985	856			70.3	10.8			93
Wet Bulb	3634744	55748	65.1	2.187	856			23.6				93
Dew Point	3417453	54043	63.1	2.532	856			7.9				93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22909 WHEELER AFB HI 63-70, 73-79 MAY
 STATION STATION NAME YEARS MONTH
 PAGE 1 0900-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
83				.1		.2	.3	.3	.3									16	16																
81						1.3	3.1	1.1	.3	.1								53	53																
79				.3	1.2	7.9	4.3	1.5	.1									143	143																
77			.1	.6	7.7	9.5	5.3	.1										210	210	1															
75				.9	4.2	11.2	8.2	2.1	.1									247	247	1	1														
73		.1	2.9	5.5	5.7	1.9	.1											151	151	12	2														
71		.5	2.4	3.3	1.3													70	70	72	4														
69		1.2	1.8															28	28	280	41														
67			.2	.2														4	4	348	100														
65	.1	.1																3	3	186	190														
63		.1																1	1	25	250														
61																				1	208														
59																					92														
57																					31														
55																					6														
53																					1														
TOTAL	.1	2.4	8.3	14.1	26.5	29.0	15.2	3.7	.5	.1								926	926	926	926														

Element (X)	$\sum X'$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4069120	60666	63.5	10.115	926			92.6	82.4	13.9		93
Dry Bulb	5382601	70541	76.2	3.105	926			71.7	1.4			93
Wet Bulb	4284098	62958	68.0	1.982	926			14.9	.3			93
Dew Point	3750312	58868	63.5	2.975	926							93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMAR

22102 WHEELER AFB HI 68-70,73-79 MAY
 STATION STATION NAME YEARS MONTH
 PAGE 1 1200-140
 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 Po.														
67/ 85								.7	.2									10	10																
64/ 83							2.5	4.1	.5									66	66																
82/ 81			.1		.1	1.6	1.1	6.5	1.0									189	189																
80/ 79				.2	1.4	1.2	5.4	4.4	.2									240	240																
75/ 77			.1	.9	2.0	9.6	5.4	.5										227	227	1															
76/ 75			.8	2.2	4.4	3.6	.9	.1										110	110																
74/ 73		.5	1.3	3.1	.9													54	54	23															
72/ 71		.8	1.1	.5	.2													23	23	103	1														
70/ 69	.1	.3	.2	.2														8	8	371	3														
68/ 67			.1															1	1	333	9														
66/ 65																					86	16													
64/ 62																					9	26													
62/ 61																						21													
60/ 59																						9													
58/ 57																						3													
56/ 55																						6													
54/ 53																						2													
TOTAL	.1	1.6	3.6	7.1	15.0	26.0	28.2	16.5	1.9									928	928		928														
Element (X)	Σx ²	Σx	\bar{x}	s _x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	3438989	55743	60.1	9.887	928	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb	5745849	72967	78.6	3.043	928			93.0	89.8	38.8		93																							
Wet Bulb	4382897	63753	68.7	1.831	928			83.3	2.4			93																							
Dew Point	3735046	58810	63.4	2.954	928			13.7	.1			93																							

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 6276

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22575 WHEELER AFB HI 68-70, 73-79 MAY
 STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
 HOURS L. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67/85							.2											2		2															
64/83					.1	.3	2.5	.2										33		33															
72/81			.1	1.2	5.1	2.7	.1											85		85															
63/79				1.2	9.8	5.6	3.4											186		186															
76/77			.3	7.6	10.0	5.9	.1											219		219															
76/75		.1	.8	3.8	9.2	8.0	1.4	.1										217		217															
74/73		.8	2.0	4.1	3.8	1.4	.1											113	113	10	1														
72/71		1.2	2.2	1.1	.5													47	47	84	6														
70/69	.2	1.3	1.1	.2														26	26	321	40														
68/67		.1	1															2	2	366	99														
66/65																					129	180													
64/63																					19	246													
62/61																					1	220													
60/59																						106													
58/57																						28													
56/55																						4													
TOTAL	.2	3.4	6.1	9.5	22.6	30.4	18.4	9.0	.3									930		930		930													

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.	3868051	59171	63.6	10.546	930							93
Dry Bulb	5523621	71613	77.0	3.145	930			93.0	85.5	20.9		93
Wet Bulb	4334081	63465	68.2	1.829	930			78.1	1.0			93
Dew Point	3755422	59036	63.5	2.905	930			14.6	.1			93

USAFETAC FORM 20-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB PI 66-70,73-79 MAY
STATION STATION NAME YEARS MONTH
PAGE 1 1800-2000
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5	6	7-8	9-10	11	12	13-14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
80/ 79						.2	.3	.2																					11	11							
75/ 77				.4	3.0	2.2	.6																						52	52							
76/ 75			.7	2.5	7.2	3.4	.5																						124	124							
74/ 73		.4	2.6	11.8	9.6	2.4																							226	225							
72/ 71		.9	5.7	11.4	7.3	.5																							218	218	25	2					
70/ 69	.1	3.6	8.5	6.3	1.2																								167	167	122	28					
68/ 67	.4	2.2	1.9	.7	.1																								45	45	291	91					
66/ 65		.2																											2	2	301	176					
64/ 63																															102	214					
62/ 61																														4	233						
60/ 59																																81					
58/ 57																																19					
56/ 55																																1					
TOTAL	.5	7.3	19.5	33.4	28.6	9.5	1.3																							845	845						
																														245	845						

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4652851	62237	73.7	9.035	845							93
Dry Bulb	4446065	61253	72.5	2.646	845			92.8	45.5	.4		93
Wet Bulb	3757538	56324	66.7	1.955	845			48.2				93
Dew Point	3411910	53646	63.5	2.693	845			13.3				93

USAFETAC FORM NO. 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFLTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22:0A WHEELER AFB MI 69-73,73-79 MAY
 STATION STATION NAME YEARS MONTH
 PAGE 1 2100-2300
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/74						.2												1	1		
75/75				.9													4	4			
74/73		.4	1.1	3.2	1.9		.4										33	33			
72/71		1.7	9.3	9.0	4.1												111	111	3		
71/69	.2	7.7	18.4	11.8	.9												182	182	30	10	
68/67	.9	6.6	13.2	2.4	.2												109	109	122	50	
66/65		3.4	1.9	.5													28	28	192	106	
4/63																			110	131	
62/61																			11	122	
60/59																				42	
56/57																				5	
56/55																				2	
TOTAL	1.11	9.04	3.62	7.8	7.1	.2	.4										468	468	468	468	

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3105793	37947	81.1	7.870	468							
Dry Bulb	2273767	32607	69.7	2.037	468			57.4	7.6			93
Wet Bulb	2024096	30766	65.7	1.828	468			30.8				93
Dew Point	1894731	29755	63.6	2.507	468			11.9				93

USAFETAC FORM 0-26-5 (OL.A) 1 JUL 68 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECIAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 68-70, 73-79 MAY
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
66/ 85																																			12	12			
67/ 85				.7		.1	.7	1.4	.2																										115	115			
68/ 81			.3		.3	.3	3.5	1.9	.2	.3																									327	327			
69/ 79				.1	.7	5.6	3.5	1.8	.1																										581	581			
70/ 77			.3	.4	4.8	5.8	3.1	.1																											710	710	2		
71/ 75		.3	.6	2.7	6.2	4.4	.9	.1																											736	736	1	2	
72/ 73		.4	1.9	5.3	4.1	1.1	.1																												642	642	45	3	
73/ 71	.3	1.0	3.7	5.1	2.6	.1																													618	618	296	24	
74/ 69	.1	2.6	5.5	3.2	.4																														589	589	1166	169	
65/ 67	.3	2.6	4.2	.5	.1																														382	382	1627	487	
66/ 68	.1	2.2	1.3	.1	.3																														183	183	1292	991	
64/ 65		.7	.2	.0																															49	49	511	1376	
62/ 61		.2																																	12	12	69	1227	
60/ 59		.3																																	1	1	17	514	
58/ 57																																						1	132
56/ 55																																						22	
54/ 53																																						2	
52/ 51																																						1	
TOTAL	.5	9.8	17.4	17.6	19.0	17.9	11.8	5.5	.5	.0																										4957	4957	4957	

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	27445691	358111	74.3	4.705	4957			707.2	468.7	110.8		744
Wet Bulb	22434237	333273	67.2	2.350	4957			470.8	7.2			744
Dew Point	19980004	314402	63.4	2.798	4957			102.8	.8			744

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 1278 JUN 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

225 A WHEELER AFB HI 59,73-74 JUN
 STATION MONTH
 YEARS
 PAGE 1 0300-0500
 HOURS ILL. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
59		14.3	28.5															3	3																
67		28.5	14.3															3	3	1	1														
65		14.3																1	1	5	1														
63																				1	5														
TOTAL		57.1	42.9															7	7	7	7														
																						7		7											

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	54601	617	88.1	6.012	7							
Dry Bulb	32388	476	68.0	1.826	7			77.1				90
Wet Bulb	30238	460	65.7	1.254	7			12.9				90
Dew Point	29071	451	64.4	1.512	7			12.9				90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 66-70,73-79 JUN
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point	
76/ 77				.1	1.1	.1	.2												13	13			
76/ 75		.1	.4	2.8	4.1	.5													65	66			
74/ 73		.4	2.8	8.0	3.4	.7													127	127		2	
72/ 71	.1	2.2	10.3	7.8	1.6	.1													184	184	11	5	
70/ 69	.1	6.7	15.7	3.0	.5														217	217	119	26	
68/ 67	.2	9.1	7.5	.6															146	146	275	121	
66/ 65	.1	6.2	1.7	.1															68	68	294	259	
64/ 63	.1	1.6	.1																15	15	110	246	
62/ 61																					23	135	
60/ 59																						1	35
58/ 57																							8
TOTAL	.7	26.2	38.4	22.4	10.5	1.4	.2														836	835	
																			835		835		

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5613507	68093	81.5	8.526	835	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4145437	58817	70.4	2.967	836			81.1	22.2			90
Wet Bulb	3689505	55479	66.4	2.011	835			43.9	.2			90
Dew Point	3463999	53745	64.4	2.371	835			16.4				90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 68-70,73-79 JUN
 STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
86/ 85								.2											2	2		
84/ 83						.2	.1	1.0	1.2	.3									24	24		
82/ 81			.2	.6	1.1	2.8	6.1	1.6	.3										114	114		
80/ 79				.8	4.0	12.1	3.7	1.8											200	200		
78/ 77		.2	.3	2.3	10.1	9.6	3.0	.2											231	231	2	
76/ 75		.2	1.5	4.2	7.8	4.5	.4												167	168	16	3
74/ 73		.6	2.5	5.1	1.9	.3													93	93	36	13
72/ 71		.4	3.0	1.3	.1														44	44	147	21
70/ 69	.1	.9	1.0																18	18	349	63
68/ 67		.1	.1																2	2	271	153
66/ 65																					73	237
64/ 63																					1	212
62/ 61																						131
60/ 59																						43
58/ 57																						13
56/ 55																						1
TOTAL	.1	2.9	8.6	14.4	25.3	29.4	14.3	5.0	.4										895	896	895	895
Element (X)	ΣX ²	ΣX	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	3985365	59029	66.0	10.153	895	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90										
Dry Bulb	5369529	69307	77.4	3.086	896			90.0	83.6	22.4		90										
Wet Bulb	4284174	61894	69.2	2.082	895			82.6	5.4			90										
Dew Point	3775915	58067	64.9	3.096	895			25.4	1.6			90										

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22503 WHEELER AFB HI 68-70,73-79 JUN
 STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 87								.3	.1									4	4		
6/ 85					.1	.4	.2	1.9	.9	.3								35	35		
4/ 83				.1	.2	1.2	4.0	6.3	3.5	.1								140	140		
2/ 81			.7	.3	1.1	5.6	13.9	5.1	.8	.1								241	241		
0/ 79			.6	.8	3.5	12.4	5.5	3.0	.1									231	231		
78/ 77			.3	1.3	4.2	6.8	2.5											136	136	8	
76/ 75		.1	.7	2.3	3.3	1.6	.1											73	73	17	7
74/ 73	.2	.2	.9	1.2	.2													25	25	78	14
72/ 71	.1	.4	.2	.1														8	8	202	21
70/ 69	.2																	2	2	344	57
68/ 67		.2																2	2	213	132
66/ 65																				34	211
64/ 63																				1	209
62/ 61																					150
60/ 59																					55
58/ 57																					27
56/ 55																					3
54/ 53																					1
TOTAL	.5	1.0	3.0	5.2	12.7	28.0	25.8	16.5	5.6	.7								897	897	897	897
Element (X)	ΣX ²	ΣX	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	3298063	53617	59.8	10.198	897	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90									
Dry Bulb	5756243	71807	80.1	2.973	897			90.0	38.8	55.4		90									
Wet Bulb	4381931	52665	69.9	2.143	897			86.5	10.3			90									
Dew Point	3747023	57893	64.5	2.434	897			23.2	2.1			90									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AWP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02508 WHEELER AFB HI 68-70,73-79 YEARS JUN
 STATION STATION NAME MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
82/ 81						.1												1	1		
79/ 79					.7	3.0	.4	.1										35	35		
77/ 77		.4	.4	.2	6.2	4.6	1.9											113	113		
76/ 75	.1	.2	1.2	7.3	5.1	4.1	.5											235	235	5	2
74/ 73	.1	.2	4.4	14.5	9.1	2.1												249	249	8	6
73/ 71		.9	3.9	8.6	4.6	.1												149	149	35	6
71/ 69		1.1	2.1	.9														33	33	238	28
68/ 67		.9	.1															6	8	311	121
66/ 65																				203	237
64/ 63																				22	204
62/ 61																				1	152
60/ 59																					57
58/ 57																					9
56/ 55																					1
TOTAL	.2	3.6	12.0	31.5	35.6	14.1	2.8	.1										823		823	823
Element (X)	Σx ²	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	4233690	58622	71.2	8.405	823	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90									
Dry Bulb	4548795	61153	74.3	2.422	823			90.0	69.2	1.9		90									
Wet Bulb	3782120	55768	67.8	1.966	823			65.3	1.4			90									
Dew Point	3410965	52927	64.3	2.777	823			17.8	.9			90									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22518 WHEELER AFB HI 58-70,73-79 JUN
 STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
75/ 77					.2													1	1																	
76/ 75				3.8	2.0													26	26																	
74/ 73		.7	3.6	13.9	3.4	.4												98	98																	
72/ 71		3.1	12.8	20.9	2.0													173	173	5	1															
77/ 59		6.1	11.9	7.2	.9													116	116	77	11															
69/ 67		2.5	3.8	.9														32	32	165	84															
66/ 65																				158	130															
64/ 63																				39	106															
62/ 61																				2	90															
60/ 59																					14															
56/ 55																					2															
TOTAL	12.3	332.1	46.6	8.5	.4														446		446															
																		446		446																
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.	2790788	35144	78.8	6.951	446	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90																								
Dry Bulb	2273169	31829	71.4	1.942	446			90.0	25.2			90																								
Wet Bulb	192296	29798	66.8	1.800	446			49.8				90																								
Dew Point	1854975	28743	64.4	2.416	446			19.4				90																								

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22573 WHEELER AFB HI 68-70,73-79 JUN
 STATION STA. ON NAME YEARS MONTH
 PAGE 1 ALL
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
87/87									.1	.0								5	5																	
85/85					.3	.1	.1	.6	.2	.1								55	55																	
83/83				.3	.1	.5	1.4	2.2	.2	.5								241	241																	
81/81			.1	.2	.6	2.4	5.6	1.8	.3	.0								530	530																	
79/79		.0	.1	.4	2.3	7.5	2.8	1.4	.0									700	700																	
77/77		.1	.3	1.3	5.4	5.8	2.3	.1										707	707	14	2															
75/75	.3	.1	.9	3.6	6.9	2.4	.3											686	688	44	16															
73/73	.1	.4	2.4	6.6	3.0	.6												631	631	189	40															
71/71	.7	1.0	4.5	5.1	1.3	.0												576	576	546	70															
69/69	.1	2.1	4.4	1.3	.2													391	391	1492	237															
67/67	.3	2.1	1.7	.2														193	193	1497	735															
65/65	.0	1.1	.3	.0														69	69	813	1297															
63/63	.3	.3	.3															15	15	177	1229															
61/61																				26	812															
59/59																				1	291															
57/57																					69															
55/55																					9															
53/53																					1															
TOTAL	.5	7.3	14.8	18.5	19.7	19.4	12.3	6.1	1.4	.1								4799	4801		4799															
Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																														
Ref. Hum.	2346952	330446	68.9	12.215	4799	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	27711364	364066	75.8	4.581	4801			707.4	533.4	176.5		720																								
Wet Bulb	22460042	328250	68.4	2.409	4799			567.4	37.1			720																								
Dew Point	20012602	309582	64.5	2.943	4799			165.0	8.7			720																								

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

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02808 WHEELER AFB HI 75, 78 JUL
 STATION MONTH YEARS

PAGE 1 3000-0280
 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															
74/ 73				42.9														3	3																	
72/ 71			26.6	28.6														4	4																	
70/ 69																					1															
68/ 67																					4															
66/ 65																					2															
64/ 63																					3															
62/ 61																					1															
TOTAL			26.6	71.4														7	7	7	7															

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	41484	538	76.9	4.741	7			93.0	39.9			93
Dry Bulb	36437	505	72.1	4.900	7			66.4				93
Wet Bulb	31568	470	67.1	1.345	7			13.3				93
Dew Point	29208	452	64.6	1.902	7							93

USAFETAC FORM 0-23-5 (PLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAG

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 74,76-76 JUL
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	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
74/ 75				42.9														3	3		
70/ 69		14.3																1	1		
68/ 67			23.6															2	2	4	
66/ 65		14.3																1	1	2	3
64/ 53																				1	3
62/ 61																					1
TOTAL		28.6	28.6	42.9														7	7	7	7

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	47809	577	82.4	6.425	7	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	34221	469	69.9	3.185	7			79.7	39.9			93
Wet Bulb	30645	463	66.1	1.864	7			53.1				93
Dew Point	28946	450	64.3	1.704	7							93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 66-70, 73-79 JUL
 STATION MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
74/ 77				1.1	2.1	.6	.1											33	33																	
75/ 75		.2	.9	3.6	6.2	.6												99	99																	
74/ 73		1.4	4.4	10.7	2.8	.6												170	170	3	1															
74/ 71	.2	1.9	3.3	6.3	.8	.1												162	162	46	6															
70/ 69		8.1	16.3	2.7	.2													233	233	153	53															
65/ 67	.1	7.1	5.6	.2														112	112	336	161															
66/ 65		4.1	.6															42	42	228	260															
64/ 63		.4																3	3	82	235															
62/ 61																				6	95															
60/ 59																					16															
50/ 57																					5															
TOTAL	.4	23.6	124.2	212.2	1.9	.1												854	854	854	854															

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	s_x	No. Obs.	No. of hours with Temperature						
Rel. Hum.	5669036	69196	81.0	8.551	854	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4337610	60810	71.2	2.979	854			88.1	32.9			93
Wet Bulb	3850637	57319	67.1	2.021	854			58.6	.3			93
Dew Point	3615260	55528	65.0	2.365	854			24.1	.1			93

USAFETAC FORM 0-26-5 (OLA) JUL 64
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 0284

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22708 WHEELER AFB HI 66-70,73-79 JUL
 STATION STATION NAME YEARS MONTH
 PAGE 1 0900-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
67/87							.1											1		1													
67/85						.2	.3	1.1	.1									16		16													
64/83					.1	1.1	1.9	2.3	.1									49		49													
62/81				.2	1.4	5.7	7.2	1.3	.1									145		145													
60/79			.1	1.2	5.1	5.4	5.1	.4										253		253													
75/77			.2	3.9	9.9	9.0	1.5											227		227	1												
76/75		.4	1.1	5.2	6.9	1.9	.1											145	145	5													
74/73		.6	2.2	3.3	.5													61	61	84	7												
72/71		1.4	.8	.1														21	21	195	28												
70/69	.2	.5	.1															8	8	411	136												
69/67		.1																1	1	201	194												
66/65																				28	234												
64/63																					234												
62/61																					132												
60/59																					19												
58/57																					2												
56/55																					1												
TOTAL	.2	5.1	4.4	13.6	24.2	33.6	2.2	4.6	.3									927	927	927													

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≈ 67 F	≈ 73 F	≈ 80 F	≈ 93 F	
Rel. Hum.	4032087	63467	65.3	9.597	927							
Dry Bulb	5697436	72520	78.3	3.023	927			93.0	90.0	33.6		93
Wet Bulb	4527579	64761	69.9	1.894	927			98.4	9.4			93
Dew Point	3986347	60735	65.5	2.774	927			33.6	.7			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22506 WHEELER AFB HI 6A-7C, 73-79 JUL 1250-1400
STATION MONTH HOURS (L. S. T.)
PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	Dry Bulb	Wet Bulb	Dew Point					
84									.1	.1	.1										3	3			
87									.1	.5	1.5	.1										21	21		
85						.7	1.0	2.4	2.7	.6	.2											66	66		
80						1.3	2.5	7.6	10.3	2.7												230	230		
81					.1	2.3	6.0	4.3	4.1	.3												251	251		
79			.1	1.2	4.5	12.5	4.3	1.2														225	225		
77			.2	1.3	3.2	2.8	1.6															90	90	5	
75		.2	.3	1.1	.5	.2																22	22	32	
73		.3	.8	.2																		12	12	165	
71	.1	.3																				4	4	231	
69		.1																				1	1	351	
67																						1	1	135	
65																								7	
63																								194	
61																								253	
59																								116	
57																								42	
TOTAL	.2	1.0	1.4	3.9	12.6	25.1	30.7	19.4	5.3	.4													926	926	926

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum	3272244	54408	58.6	9.332	926	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	93
Dry Bulb	6126613	75277	81.3	2.779	926			93.0	92.4	71.5		93
Wet Bulb	4629096	65444	70.7	2.057	926			92.3	20.3			93
Dew Point	3955592	60450	65.3	3.183	926			31.4	1.5			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 2290R WHEELER AFB HI YEAR 66-73, 73-79 MONTH JUL
 STATION NAME WHEELER AFB HI YEAR 66-73, 73-79 MONTH JUL
 PAGE 1 1530-1700
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
87/87							.1	.2	.2	.1								6		6															
86/86						.8	1.4	2.6	1.3									55		55															
84/83					.3	2.7	3.7	6.0	1.3									126		126															
82/81					2.0	6.9	11.7	2.3	.8									218		218															
79/79			.1	1.0	5.9	14.4	6.1	1.8										276		270															
77/77				2.2	4.3	6.7	2.3											158		158															
76/75			1.4	2.3	2.7	.5	.1											58		58	17	1													
74/73		.1	.7	1.0	.2	.1												19		19	131														
72/71		.2	.7	.1														9		9	225	34													
70/69	.1	.2																3		3	372	109													
68/67																					158	177													
66/65																					19	205													
64/63																						723													
62/61																						121													
60/59																						44													
58/57																						7													
56/55																						1													
TOTAL	.1	.5	2.8	6.5	16.6	32.2	25.1	13.0	2.9	.1										922		922													

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature				Total		
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3486282	56126	60.9	8.969	922							
Dry Bulb	5927828	73880	80.1	2.912	922			93.0	91.8	56.4		93
Wet Bulb	4553733	64770	70.2	1.997	922			91.1	14.9			93
Dew Point	3728663	60121	65.2	3.010	922			2.4	.1			93

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

USAF CLIMATOLOGY BRANCH
USAFETAC
U.S. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22500 WHEELER AFB HI 68-70, 73-79 JUL
STATION STATION NAME YEARS MONTH
PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	De-w Point														
47-51						.1		.1										2		2															
52-56					.7	1.3	.7											19		19															
57-74				.4	2.1	4.7	.8	.1										67		67															
75-77			.1	3.4	8.9	5.2	1.6											159		159															
78-78			1.9	11.3	15.4	3.9												266		266															
79-73		.4	4.1	4.3	5.7	1.2												214	19	214	19														
80-71		.3	2.7	5.5	.7													81	31	93	6														
82-69	.5	.7	1.3															17	13	296	81														
83-67		.1																1	1	306	171														
84-65																				104	214														
85-63																				4	224														
86-61																					151														
87-59																					25														
88-57																					5														
TOTAL	.5	2.1	10.3	34.6	33.3	16.4	3.1	.2										827	827	827	827														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4232112	58564	70.8	8.153	827							
Dry Bulb	4692834	62258	75.3	2.495	827			93.0	81.0	5.1		93
Wet Bulb	3890329	56701	68.6	1.834	827			80.9	2.1			93
Dew Point	3508691	53827	65.1	2.569	827			29.0				93

USAFETAC FORM 101-64 0-26-5 (OLA) REVISE PREVIOUS EDITIONS OF THIS FORM AND DERIVATIVES

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 68-70, 73-79 JUL
 STATION STATION NAME YEARS MONTH
 PAGE 1 2100-2300
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
75/ 77				.4	.2												3	3			
76/ 75			.9	6.4	3.5												49	49			
74/ 73			8.6	17.9	4.2												139	139			
72/ 71		3.5	16.3	19.6	1.8												187	187	22	4	
70/ 69	.2	2.6	7.9	3.5													65	65	114	28	
68/ 67	.4	.4	1.3														10	10	191	117	
66/ 65																			118	116	
64/ 63																			8	130	
62/ 61																				51	
60/ 59																				7	
TOTAL	.7	6.6	35.1	47.9	9.7												453	453	453	453	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2801892	35498	78.4	6.685	453	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2367420	32738	72.3	1.802	453			93.0	39.2			93
Wet Bulb	2070492	30618	67.6	1.702	453			67.1				93
Dew Point	1926892	29528	65.2	2.315	453			30.6				93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 68-70, 73-79 JUL
 STATION STATION NAME YEARS MONTH

PAGE 1 ALL
 HOURS (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
87/ 87																		3	3	
86/ 85																		137	137	
84/ 83																		407	407	
82/ 81																		633	633	
80/ 79																		815	815	
78/ 77																		670	670	6
76/ 75																		639	639	58
74/ 73																		621	621	402
72/ 71																		468	468	317
70/ 69																		329	329	1698
68/ 67																		127	127	1335
66/ 65																		43	43	506
64/ 63																		3	3	95
62/ 61																				6
60/ 59																				
58/ 57																				
56/ 55																				
TOTAL	.3	5.9	13.2	19.1	18.6	20.1	14.1	7.0	1.6	.1								4923	4923	4923
Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	23554946	335374	68.1	11.993	4923	≤ 4 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	29219567	378577	76.9	4.665	4923			737.0	597.4	249.5		744								
Wet Bulb	23584076	340544	69.2	2.353	4923			652.3	70.4			744								
Dew Point	20979799	321089	65.2	2.766	4923			241.5	3.6			744								

USAFETAC FORM 0-26-5 (OLA) REVID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 68 JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22906 WHEELER AFB HI 67-70, 73-78 AUG
STATION STATION NAME YEARS MONTH
PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
87/ 87									.1									1	1		
86/ 85					.2	.4	.8	1.5	.1									29	29		
84/ 83				.1	.7	2.5	3.1	2.3										79	79		
82/ 81				.1	2.2	7.5	7.3	.7	.1									168	168		
80/ 79		.2	.2	1.9	5.4	15.3	1.3	.3										234	234		
78/ 77		.2	1.1	2.9	12.2	7.2	.8											225	225	7 1	
76/ 75		.6	2.3	3.8	5.5	.5												118	118	21 7	
74/ 73		1.1	2.4	2.4	.1													55	55	143 13	
72/ 71	.1	1.1	.6	.1	.1													19	19	252 62	
70/ 69		.2																2	2	403 123	
68/ 67																				99 213	
66/ 65																				5 285	
64/ 63																				181	
62/ 61																				38	
60/ 59																				5	
58/ 57																				2	
TOTAL	.1	3.4	6.6	11.2	26.1	34.0	13.2	5.1	.3									930	930	930	
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	4162073	61553	66.2	9.74	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93									
Dry Bulb	5799441	73385	78.9	3.066	930			93.0	90.9	41.1		93									
Wet Bulb	4639713	65663	70.6	1.955	930			92.5	17.1			93									
Dew Point	4117172	61824	66.5	2.798	930			41.9	2.1			93									

USAFETAC FORM 11-64 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

02890

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI
STATION STATION NAME

67-79,73-72
YEARS

AUG
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
> / 85							.1	.4	.2									7	7		
8 / 87					.2	.3	1.0	2.2	2.7	.3								62	62		
8 / 85				.1	.4	2.2	2.8	7.6	1.7	.1								139	139		
4 / 83		.1		.1	.0	4.1	9.6	10.8	.6									241	241		
2 / 81			.1	.2	2.0	6.6	15.9	1.7	.1									247	247	1	
1 / 79		.1		.9	2.9	8.7	1.8	.4										136	136	4	1
75 / 77			.6	1.2	2.9	1.9	.3											61	61	15	4
70 / 73			1.3	.9	.5	.1												26	26	48	6
74 / 73		.2	.4	.2														8	8	191	23
72 / 71		.2																2	2	326	38
70 / 69		.1																1	1	298	110
68 / 67																				47	191
68 / 66																				2	246
64 / 63																					227
62 / 61																					64
58 / 59																					18
58 / 57																					2
TOTAL		.8	2.5	3.9	9.2	23.9	31.2	3.1	5.4	.4								930	930	930	930

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3261149	54443	58.5	8.926	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	6298688	76486	82.2	2.980	930			93.0	92.7	78.3		93
Wet Bulb	4745013	66401	71.4	2.089	930			92.8	25.7	.3		93
Dew Point	4068224	61442	66.1	3.105	930			37.3	3.4	.1		93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

28-07 WHEELER AFB HI 67-70, 73-74 YEARS AUG MONTH
 STATION STATION NAME YEARS MONTH
 PAGE 1 1600-2000
 10045 (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
85/ 85																		1	1	
82/ 81					.1	.5	1.3	.6										21	21	
80/ 79			.2	.9	2.8	5.1	.6											91	91	
76/ 77		.2	.9	3.1	4.8	4.4	.1											198	198	1
74/ 75		.7	2.9	4.4	6.0	2.1												307	307	5
74/ 73		1.1	3.2	4.9	3.3	.1												192	192	38
72/ 71		.7	1.5	2.0														36	36	135
70/ 69		.4	.1															4	4	336
67/ 67																				252
66/ 65																				33
64/ 63																				188
62/ 61																				53
60/ 59																				4
TOTAL		3.1	8.8	35.9	37.2	14.1	1.3											850	850	850
																		850	850	

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4386156	60726	71.4	7.499	850			93.0	88.6	6.3		93
Dry Bulb	4901084	64516	75.9	2.236	850			89.4	4.8			93
Wet Bulb	4085431	58909	69.3	1.803	850			35.8	.8			93
Dew Point	3704539	56079	66.0	2.483	850							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

225.0 STA# 0N WHEELER AFB HI STATION NAME 67-70,73-78 YEARS AUG MONTH
 PAGE 1 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
77/ 77					.2	.6												4	4																
75/ 75		1.0	3.5	12.9	2.9													99	99	2	2														
74/ 73	.2	2.5	12.7	29.7	2.7													233	233	5	2														
72/ 71		3.1	11.2	9.2	.4													117	117	48	16														
70/ 69		2.0	4.1	1.2														36	36	182	41														
68/ 67																				202	152														
67/ 65																				49	153														
64/ 63																				1	102														
62/ 51																					21														
TOTAL	.2	8.6	31.5	53.2	6.5													489	489		489														

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3038749	38421	78.6	6.400	489							
Dry Bulb	2619743	35783	73.2	1.626	489			93.0	63.9			93
Wet Bulb	2298354	33514	68.5	1.721	489			83.5	1.3			93
Dew Point	2143447	32355	66.2	2.334	489			40.5	.8			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22008 AMLELER AFB HI 67-70, 73-7° AUG
 STATION STATION NAME YEARS MONTH

PAGE 1 ALL
 HOURS (L. & 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	x 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
87							.3	.1	.1									10	10		
87					.1	.1	.2	.6	.7	.1								89	89		
85				.3	.2	.6	1.3	2.4	.4	.3								240	240		
83		.3	.3	.1	.4	1.8	3.7	3.6	.3									498	498		
81			.3	.1	1.2	4.4	6.7	.9	.1									671	671	1	
79		.1	.1	.9	3.3	8.5	1.5	.2										713	713	10	1
77		.1	.6	1.9	6.7	3.3	.4											653	653	34	10
75		.5	1.8	5.7	5.3	.6												609	699	101	26
73	.3	1.2	3.4	7.7	1.3	.0												676	676	558	62
71	.1	1.6	3.9	2.3	.1													400	400	1118	224
69	.1	1.8	2.9	.2														254	254	1634	518
67		.8	1.0															90	90	1047	1170
65	.3	.3	.1	.3														22	22	265	1544
63	.3	.3																2	2	44	1107
61																				4	296
59																					52
57																				1	6
51																					1
TOTAL	.2	6.4	14.0	19.0	16.1	19.4	13.6	7.8	1.5	.1								5017	5017	5017	5017
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	$\leq 0 F$	$\leq 32 F$	Mean No. of Hours with Temperature				Total									
Rel. Hum.	24352009	344281	68.6	12.034	5017			$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	744									
Dry Bulb	30301554	389174	77.6	4.745	5017			740.4	630.1	282.5		744									
Wet Bulb	24544561	353709	69.9	2.385	5017			697.4	104.4	1.0		744									
Dew Point	21943981	331515	66.1	2.753	5017			296.2	14.7	.1		744									

USAFETAC FORM 34 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

225 0 WHEELER AFB HI 73,76 SEP
 STATION MONTH
 STATION NAME YEARS
 PAGE 1 0000-02J
 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	Wet Bulb	Dew Point														
74/ 73				16.7														1		1															
72/ 71			16.7															1		1															
70/ 69		50.0	16.7															4		4															
67/ 67																					5														
65/ 65																					1														
64/ 63																					1														
TOTAL		50.0	33.3	16.7														6		6	6														

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	44001	513	85.5	5.282	6							
Dry Bulb	29692	422	70.3	1.506	6			90.0	15.0			90
Wet Bulb	27206	404	67.3	.816	6			75.0				90
Dew Point	26011	395	65.8	1.169	6			30.0				90

USAFETAC FORM 0-26.5 (OLA) JUL 66 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AWP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

228 WHEELER AFB HI 75-76 SEP
 STATION STATION NAME YEARS MONTH

PAGE 1 3300-0500
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
71 / 65			50.0															1	1																
67 / 67		50.0																1	1	1															
65 / 65																				1	1														
62 / 62																					1														
TOTAL		50.0	50.0															2	2	2	2														

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	15210	174	87.0		2							
Dry Bulb	9385	137	68.5		2			90.0				90
Wet Bulb	8714	132	66.0		2			45.0				45
Dew Point	8325	129	64.5		2							90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MSC

PSYCHROMETRIC SUMMARY

28 75 WHEELER AFB NE 67-70, 73-75 SEP
 STATION STATION NAME YEARS MONTH
 PAGE 1 0600-0800
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
79/79				.1	.4													4	4																
78/77				1.3	1.8	.4	.1											27	27																
76/75		.1	1.1	5.5	2.6	.2												60	60																
74/73		1.1	7.3	9.3	1.3													152	152	3															
72/71		4.7	13.2	4.2	.5													184	184	47	2														
70/69	.2	9.3	14.3	1.3														206	206	204	70														
68/67	.2	11.3	5.6															142	142	319	216														
66/65	.1	3.4	.6															35	35	206	321														
64/63		1.3	.1															12	12	53	162														
62/61																				10	59														
60/59																					5														
58/57																					1														
TOTAL	.630	.341	.620	.7	6.2	.6	.1											342	342	842	842														

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	5908168	70247	63.4	7.585	842	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4249263	59761	71.0	3.230	842		55.0	28.3			90
Wet Bulb	3832295	56779	67.4	2.037	842		61.2	.3			90
Dew Point	3636374	55304	65.7	2.157	842		31.4				50

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

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 40- WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: WHEELER AFB HI STATION NAME: WHEELER AFB HI YEARS: 67-70, 73-76 MONTH: SEP

PAGE: 1 0900-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.S. Y B.	Dry Bulb	Wet Bulb	Dew Point				
87																																								
85								.1	.2	1.1	1.6	.1									.1																			
83					.1	.1	3.4	5.3	4.0	.1												.1																		
81			.1				2.6	7.5	9.6	.6																														
79				.2	1.6	8.9	14.9	1.4	.3																															
77			.1	.3	3.7	13.1	5.3	.1																																
75			.2	1.7	4.3	4.1	.4																																	
73		.1	.3	2.6	2.2	.1																																		
71		.1	.3																																					
69		.1																																						
67																																								
65																																								
63																																								
61																																								
59																																								
57																																								
55																																								
53																																								
51																																								
49																																								
TOTAL	.1	1.3	5.6	11.9	25.1	31.8	17.2	6.7	.3												.1	.1																		

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3873461	58443	65.0	9.037	899	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	5677141	71389	79.4	3.019	899			90.3	89.1	45.1		90
Wet Bulb	4500077	63583	70.7	1.853	899			89.8	17.3			90
Dew Point	3975215	59735	66.4	2.654	899			43.8	1.0			90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508
 STATION

WHEELER AFB HI
 STATION NAME

67-70, 73-78
 YEARS

YEARS

SEP
 MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
89								.2	.2											4	4			
87							.8	1.6	2.8	.3	.1									52	52			
85					.2	1.0	3.6	8.1	3.1			.1								145	145			
83					.4	4.3	9.9	10.9	1.0	.1										240	240			
81		.2		.1	2.0	7.7	10.6	2.9	.3											219	219			
80		.1	.2	1.1	4.0	8.0	2.0	.4												143	143	3		
77			.3	1.6	3.2	1.2	.2													63	63	3		
75		.1	1.2	.4	.4															27	0	36		
73	.1	.1	.6	.1																8	8	213		
71	.1	.2																		3	3	336		
69	.1																			1	1	243		
67																						58		
65																						3		
63																						1		
61																								
59																								
57																								
55																								
53																								
49																								
TOTAL	.3	.8	2.8	3.3	10.9	22.3	27.1	24.4	7.5	.4	.1	.1								898	898	898		
Element (X)	$\sum X^2$	$\sum X$	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total													
Rel. Hum.	3.60434	52578	58.6	9.560	898	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	90												
Dry Bulb	6074988	73812	82.2	2.975	898			90.0	89.6	74.5		90												
Wet Bulb	4575618	64078	71.4	1.702	898			89.6	25.6	.1		90												
Dew Point	3917774	59252	66.0	3.023	898			37.7	1.1			90												

USAFETAC FORM 0-26-5 (OLA) JUL 64
 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLEAR CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

225 73 WHEELER AFB HI

67-70, 73-78

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
87/ 89									.1										1		1			
86/ 87							.4	.3	.6	.1									13		13			
85/ 85					.1	1.0	1.3	3.5	1.2										65		65			
84/ 83					.1	2.3	6.9	5.8	.7										142		142			
82/ 81				.1	1.8	7.7	13.2	2.1	.1										225		225			
80/ 79			.3	1.2	4.8	15.4	3.2	.4											228		228			
75/ 77			.8	3.2	5.7	6.2	.8												144		144		1	
76/ 75		.9	2.0	1.2	1.3	.8													56		56	21	1	
74/ 73		.9	.9	.2															18		18	164	10	
72/ 71	.1	.4	.1																6		6	265	53	
70/ 69	.1																		1		1	354	118	
69/ 67																						92	171	
56/ 65																						2	242	
64/ 63																							200	
62/ 61																							88	
60/ 59																							14	
58/ 57																							2	
TOTAL	.2	2.2	4.1	6.0	13.1	33.4	25.9	12.2	2.7	.1									899		899		899	
																			899		899			

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3516792	55514	61.8	9.942	899	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5826531	72328	80.5	2.975	899			90.0	89.3	56.9		90
Wet Bulb	4504516	63614	70.8	1.869	899			89.8	18.6			90
Dew Point	3909502	59228	65.9	2.928	899			35.3	1.1			90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22525 WHEELER AFB HI
 STATION STATION NAME

67-70, 73-78
 YEARS

SEP
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
84/ 83											.1								1		
82/ 81							.2				.2							4	4		
80/ 79				.5	3.2	3.3												53	53		
78/ 77			.6	4.6	10.7	3.5	.2											162	162		
76/ 75		.6	3.4	14.2	14.5	1.2												230	230		
74/ 73		1.7	6.4	17.8	4.0	.1												248	248		
72/ 71	.1	2.4	3.7	2.3	.2													67	67	152	29
70/ 69	.1	.2	.1															4	4	353	14
68/ 67																				256	217
66/ 65																				36	243
64/ 63																				1	165
62/ 61																					51
60/ 59																					1
58/ 57																					1
TOTAL	.2	5.0	13.6	39.6	32.6	8.4	.6											824	824	824	

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4517365	60671	73.6	7.808	824							
Dry Bulb	4666535	61985	75.2	2.133	824			90.0	82.2	2.6		90
Wet Bulb	3947892	57018	69.2	1.722	824			86.0	2.8			90
Dew Point	3615793	54547	66.2	2.440	824			39.6	.3			90

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22503 WHEELER AFB HI
 STATION STATION NAME

67-70, 73-78
 YEARS

SEP
 MONTH

PAGE 1 2100-2300
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7- / 77				1.9	.2													10	10																
16 / 75		.9	.9	2.6	1.9													57	57	1															
74 / 73		2.6	13.7	19.5	1.5													174	174	4	2														
72 / 71		4.9	20.6	12.0														175	175	39	8														
70 / 69	.4	3.0	6.0	1.1														49	49	178	58														
68 / 67			.2															1	1	189	145														
66 / 63																				54	159														
64 / 63																				1	76														
62 / 51																					18														
TOTAL	.4	11.4	41.4	43.1	3.6													466	466	466	466														

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.	3026089	37439	80.3	6.255	466			90.0	46.5			90
Dry Bulb	2460284	33850	72.6	1.758	466			79.4	1.0			90
Wet Bulb	2181267	31873	66.3	2.124	466			41.1	.4			90
Dew Point	2049986	30892	66.3	2.124	466							90

USAFETAC FORM 200-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22170 WHEELER AFB HI 67-70,73-78 SEP
 STATION STATION NAME YEARS MONTH
 PAGE 1 ALL
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
89/89								.0	.1									5	5		
87/87							.2	.4	.6	.1	.7							66	66		
85/85					.1	.4	1.1	2.5	.8			.0						239	239		
83/83				.0	.1	1.9	4.1	3.8	.3	.7	.9							499	499		
81/81		.1		.0	1.3	4.3	6.2	1.1	.1									632	632		
79/79		.0	.1	.9	3.7	7.7	1.2	.2										671	671	4	1
77/77		.0	.5	2.7	5.6	3.0	.3											583	583	7	4
75/75		.4	1.8	5.3	4.2	.5												590	590	70	5
73/73	.3	1.0	4.4	7.3	1.0	.0												649	649	567	27
71/71	.1	1.7	5.0	2.3	.1													444	444	1113	180
69/69	.1	2.0	3.1	.3														267	267	1694	616
67/67	.3	1.9	1.0															144	144	1010	1206
65/65	.3	.6	.1															35	35	303	1485
63/63		.2	.0															12	12	58	928
61/61																				10	329
59/59																					44
57/57																					6
55/55																					1
53/53																					1
51/51																					1
49/49																					1
47/47																					1
TOTAL	.3	8.0	15.9	18.5	16.1	17.8	13.2	8.0	1.9	.1	.0	.0						4836	4836	4836	4836
Element (X)	ΣX ²	ΣX	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	24061520	335574	69.4	12.667	4836	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	28993819	373681	77.3	4.966	4836			713.0	585.7	265.8		720									
Wet Bulb	23577585	337481	69.8	2.338	4836			664.8	93.5	.1		720									
Dew Point	21138980	319478	66.1	2.631	4836			303.6	5.5			720									

USAFETAC FORM 201 04 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22503 WHEELER AFB HI

67-7C, 73-78

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
77/ 77		.1	.1	.5	.7	.1	.1											10	10			
76/ 75		.7	1.7	2.6	2.1													53	63	2		
74/ 73	.1	1.7	5.8	6.2	.6													125	125	11	9	
72/ 71	.2	5.0	8.7	6.0	.2													174	174	47	22	
70/ 69	.5	8.9	10.9	1.8														191	191	146	70	
68/ 67	.5	11.9	7.7	.2														176	176	271	159	
66/ 65	.1	9.9	1.5	.1														92	92	242	244	
64/ 63		3.3	.5															33	33	114	236	
62/ 61		.2																2	2	28	104	
60/ 59																					5	15
58/ 57																						5
TOTAL	1.440	8.336	8.817	7.7	3.1	.1	.1											866		866	866	

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6329984	73754	85.2	7.498	866							
Dry Bulb	4240674	60538	69.9	3.180	866			79.4	21.3			93
Wet Bulb	3871794	57864	66.8	2.513	866			51.2	1.4			93
Dew Point	3691825	56495	65.2	2.694	866			27.9	1.0			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2250A WHEELER AFB HI 67-70, 73-78 JCY
STATION STATION NAME YEARS MONTH
PAGE 1 0950-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
87/ 97								.1			.1							2	2																	
86/ 85						.3	.3	1.1	.1	.1								18	18																	
84/ 83			.1	.1	.4	1.1	2.8	1.9	.2									61	61																	
82/ 81			.1	.5	1.6	8.4	6.2	.8	.1									165	165																	
80/ 79			.4	2.2	6.3	12.9	2.4	.6										231	231	2																
78/ 77		.1	.5	3.8	10.5	6.0	.9	.1										204	204	2	2															
76/ 75		.2	1.6	5.7	7.5	1.3	.1											153	153	28	3															
74/ 73		.3	2.3	3.2	.2	.2												58	58	98	17															
72/ 71		1.0	1.5	.2	.1													26	26	258	39															
70/ 69	.4	.6	.1															11	11	357	114															
68/ 67	.1																	1	1	169	246															
66/ 65																				15	254															
64/ 63																				1	172															
62/ 61																					57															
60/ 59																					22															
58/ 57																					4															
TOTAL	.5	2.3	6.7	15.7	26.8	30.2	12.7	4.5	.4	.1	.1							930	930	930	930															

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

6298

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Rel. Hum.	4208921	61903	66.6	9.761	930							
Dry Bulb	5729620	72938	78.4	3.207	930			93.0	89.2	36.4		93
Wet Bulb	4596042	65350	70.3	2.068	930			91.4	13.0			93
Dew Point	4088650	61540	66.2	2.666	930			42.1	2.2			93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12000 WHEELER AFB HI 67-73, 73-78 OCT
STAT DN STATION NAME YEARS MONTH
 PAGE 1 1200-1400
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
67/87						.1	.1	.8	.3																							11	11			
67/85					.1					1.6	1.8	4.8	1.1	.2																		93	93			
64/83					.3	1.1	3.1	7.6	7.8	1.1																						196	196			
62/81			.1	.5	1.7	10.2	12.5	2.9																								750	260			
60/79				.8	4.1	13.7	1.2	1.2	.1																							195	195	1		
79/77		.2	.3	1.2	5.1	2.3	.9																									92	92	11	1	
75/75		.1	1.4	1.9	1.3	.2																										46	46	31	5	
74/73			.8	.8	.9	.1	.1																									21	21	163	21	
72/71	.2	.4	.2	.1																												9	9	255	43	
70/69	.4	.3	.2																													9	9	353	98	
67/67																																			78	212
66/65	.1																															1	1	12	248	
64/63																																			1	193
62/61																																				67
57/59																																				30
56/57																																				11
55/55																																				1
TOTAL	.8	2.3	3.0	5.1	13.3	33.1	32.4	117.4	2.6	.2																							930	930	930	

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.	3565225	56787	61.1	10.257	930							
Dry Bulb	6587889	75185	80.8	3.219	930			92.9	91.1	67.3		93
Wet Bulb	4680400	65948	70.9	2.051	930			91.9	20.3			93
Dew Point	4048453	61291	65.9	3.132	930			38.0	2.7			93

USAFETAC FORM 8-67 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 22504 WHEELER AFB HI STATION NAME 67-70,73-78 YEARS OCT
 MONTH 1500-1700
 HOURS (L. S. T.)

PAGE 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																			
58/ 57								.1	.1																								2	2					
56/ 55							.2	.8	.9	.1																								19	19				
54/ 53					.1	1.0	1.9	2.5	2.5	.5																								77	77				
52/ 51			.1	.5	1.9	5.5	6.7	1.1																											147	147			
50/ 49			.8	1.4	6.6	15.8	2.4	.3																												252	252		
48/ 47		.2	.6	3.5	12.6	5.9	2.3	.1																												235	235	3	
46/ 45		.8	2.0	4.4	3.4	1.7	.3																													118	118	29	4
44/ 43		.8	2.3	1.5	.4	.4																														50	50	109	22
42/ 41	.2	.9	.8	.2																																19	19	252	47
40/ 39	.1	.3	.1																																	5	5	388	127
38/ 37	.5																																		5	5	120	207	
36/ 35	.1																																		1	1	27	252	
34/ 33																																						2	173
32/ 31																																							64
30/ 29																																							26
28/ 27																																							6
26/ 25																																							2
TOTAL	1.0	2.9	6.6	11.7	25.9	31.4	8.4	.5	.1																											930	930	930	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4147252	61364	66.3	10.286	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	5762727	73151	78.7	3.093	930			92.9	90.0	36.8		93
Wet Bulb	4604659	65411	70.3	2.078	930			90.1	14.1			93
Dew Point	4074603	61491	66.1	3.088	930			40.7	2.6			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

27000 WHEELER AFB HI 57-70,73-76 OCT
STATION STATION NAME YEARS MONTH
PAGE 1 1970-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
61/ 61																		1	1		
62/ 72				.1	.2	.4	.2											3	2		
70/ 77		.5	.5	3.1	4.4	.7												95	25		
70/ 75		1.1	3.4	15.3	10.5	1.1												261	261	10	3
74/ 73		1.5	9.7	18.9	2.5	.2												276	276	25	15
70/ 71		2.8	9.1	5.4	1.1													153	153	107	27
70/ 67		2.0	2.5	.5	.1													44	44	322	99
60/ 67	.1		.2															3	3	282	251
60/ 65																				79	252
64/ 63																				6	130
60/ 61																					45
60/ 59																					9
TOTAL	.1	8.1	20.9	43.4	19.9	2.3	.1											831	831	831	93

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs	Mean No. of Hours with Temperature						
Rel. Hum.	4079634	64024	77.0	7.520	831	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4552987	61485	74.0	2.129	831			93.0	70.6	.3		93
Wet Bulb	3945217	57239	68.9	1.953	831			83.5	3.9			93
Dew Point	3663373	55133	66.3	2.587	831			44.2	2.0			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: WHEELER AFB HI STATION NAME: WHEELER AFB HI YEARS: 67-70, 73-79 MONTH: OCT

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B.-W.B.	(Dry Bulb - Wet Bulb)	(Dew Point)																			
70/ 77		.2		.4																														3	3				
70/ 75		1.5	1.5	2.6	2.0																													35	35	4	4		
74/ 73		3.1	7.2	11.3	.7																													104	104	5			
72/ 71		6.2	20.7	7.0	.4																													160	160	36	15		
71/ 69		10.5	17.0	2.0																															135	135	122	52	
67/ 67		1.1	3.7																															22	22	201	121		
65/ 65																																					30	156	
64/ 63																																					11	83	
62/ 61																																							25
60/ 59																																						3	
TOTAL		23.1	150.1	123.7	3.1																															459	459	459	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3192253	38163	83.1	6.481	459	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	2352453	32847	71.6	2.011	459			93.0	28.8			93
Wet Bulb	2124051	31211	68.0	1.966	459			74.6	1.8			93
Dew Point	2014554	30388	66.2	2.438	459			38.9	.8			93

USAFETAC FORM 0-26-5 (OL A) JUL 66 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SIGNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

225.5 WHEELER AFB HI 67-70, 73-78 OCT
 STA^N ON STATION NAME YEARS MONTH
 PAGE 1 ALL
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
53/ 57						.0	.0	.2	.1		.0							15	15																
54/ 58				.0		.4	.5	1.3	.2	.1								127	127																
54/ 58			.0	.1	.5	1.2	2.4	2.3	.3									334	334																
54/ 58			.1	.3	1.0	4.5	4.3	.9	.0									573	573																
54/ 58			.2	.8	3.3	8.0	1.1	.4	.0									686	686	3															
54/ 58		.2	.4	2.2	6.2	2.6	.8	.0										629	629	16	3														
54/ 58		.7	2.0	5.5	4.5	.8	.1											676	676	104	19														
54/ 58	.0	1.2	4.3	6.3	.8	.2												634	634	436	64														
54/ 58	.1	2.4	5.4	2.7	.3													541	541	985	193														
54/ 58	.3	3.1	4.1	.6	.1													396	396	1688	560														
54/ 58	.2	2.2	1.8	.0														209	209	1122	1196														
54/ 58	.1	1.6	.3	.0														94	94	454	1407														
54/ 58		.6	.1															33	33	136	990														
54/ 58		.0																2	2	28	363														
54/ 58																				5	105														
54/ 58																					26														
54/ 58																					3														
TOTAL	.7	12.0	18.5	18.7	16.5	17.9	9.7	5.1	.7	.1	.0							4949	4949	4949															

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	26445481	356253	72.0	12.723	4949			724.6	552.3	211.7		744
Dry Bulb	28740224	376348	76.0	4.946	4949			650.3	79.8			744
Wet Bulb	23834969	343215	69.4	2.575	4949			308.9	15.9			744
Dew Point	21585627	326535	66.0	2.873	4949							744

USAFETAC FORM JUL 64 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WAFB, TEXAS
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22018 KEELE AFB TX 74.76 11 NOV 0000-0200
 STATION MONTH HOURS (L. S. T.)
 YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67		50.0	50.0															4	4	1	1														
65																				1	1														
63																				2															
61																					2														
TOTAL		50.0	50.0															4	4	4	4														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	28661	335	63.8	14.198	4							90
Dry Bulb	18091	269	67.3	5.00	4			90.0				90
Wet Bulb	16410	256	64.0	2.944	4			22.5				90
Dew Point	15459	246	62.0	5.228	4			22.5				90

USAFETAC FORM 700M JUL 64 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22509 WHEELER AFB HI 73-76,78 NOV
 STATION STATION NAME YEARS MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
66 / 67		33.3			16.7													3	3		
66 / 65		16.7																1	1	2	1
64 / 63		16.7																1	1	2	1
62 / 61			16.7															1	1		2
60 / 59																				2	
58 / 57																					1
56 / 55																					1
TOTAL		66.7	16.7		16.7													6	6		6

Element (X _i)	Σ X ²	Σ X	X̄	s _x ²	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	44494	514	85.7	9.606	6							
Dry Bulb	25767	393	65.5	2.258	6			45.0				90
Wet Bulb	23601	376	62.7	2.733	6							90
Dew Point	22394	366	61.0	3.688	6							90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI
 STATION STATION NAME

67-70, 73-78
 YEARS

NOV
 MONTH

PAGE 1 0900-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb		Dew Point		
47/ 83						.5	.5	.3	.1									12	12				
52/ 81				.1	.1	2.1	2.9	.2	.3									52	52				
57/ 79				.5	2.0	6.1	1.5	.8										96	96				
74/ 77			.5	2.4	8.0	7.0	2.0	.2										178	178				
76/ 75		.5	1.7	6.4	11.5	3.2	.3											209	209	1			
74/ 73		1.1	5.5	8.0	3.2	1.4												170	170	32	6		
77/ 71	.1	1.7	4.6	2.6	1.8	.3												96	96	103	28		
70/ 69	.3	2.3	2.3	1.0	.3													55	55	341	70		
68/ 67	.1	.8	.5	.1	.1													14	14	282	184		
66/ 65	.1	.2																3	3	160	247		
64/ 63																				23	189		
62/ 61																				3	99		
57/ 59																					37		
58/ 57																					20		
50/ 55																					5		
TOTAL	.7	6.6	15.0	21.1	26.8	20.6	7.2	1.6	.5											885		885	

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4548349	62687	70.8	11.056	885	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5048798	66778	75.5	3.370	885			89.7	72.9	11.0		90
Wet Bulb	4171430	60730	68.6	2.140	885			77.2	3.4			90
Dew Point	3758680	57612	65.1	3.052	885			29.3	.6			90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 LER AFB HI

67-70, 73-78

NOV
 MONTH

STATION

STATION NAME

YEARS

PAGE 1 1200-1400
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
86/ 85								.3	.2	.1	.2							13	13		
84/ 83								1.1	1.9	2.7	.6							56	56		
82/ 81					.1	.3	4.5	10.0	2.0	.1	.1							153	153		
80/ 79					1.1	2.5	13.5	4.2	1.2	.2								202	202		
78/ 77				1.0	2.6	7.0	7.8	2.9	.2									191	191		
76/ 75			.2	1.9	4.2	4.9	2.3	.2	.1									127	127	7	
74/ 73	.1	1.0	2.5	2.9	.2	1.2												71	71	65	10
72/ 71	.2	1.7	1.9	.9	.2		.1											45	45	172	28
70/ 69	.3	1.6	.3	.1														21	21	362	99
68/ 67		.8																7	7	217	156
66/ 65																				48	222
64/ 63																				13	182
62/ 61																				2	110
60/ 59																					45
58/ 57																					27
56/ 55																					4
54/ 53																					3
TOTAL	.7	5.3	7.7	12.0	15.1	30.8	20.5	6.4	1.1	.3								886	886	886	

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3902068	57828	65.3	12.9	886	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5396374	69076	78.0	3.5	886			90.0	82.6	32.6		90
Wet Bulb	4276588	61526	69.4	2.1	886			83.6	7.3			90
Dew Point	3755333	57605	65.0	3.3	886			29.8	1.0			90

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22578 WHEELER AFB HI 67-70, 73-78 NOV
 STATION MONTH
 STATION NAME YEARS
 PAGE 1 1500-1700
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
85/ 85							.1											1	1			
84/ 83							.2	.5										11	11			
82/ 81					.6	.7	2.0	.7										35	35			
80/ 79				.5	2.4	3.7	1.4	.6										116	116			
78/ 77			.5	1.9	9.3	6.8	2.8											188	188			
76/ 75		.3	2.5	6.8	11.8	5.3	.8											243	243			
74/ 73		.4	2.5	6.5	3.7	1.6												124	124	31		
72/ 71	.5	2.4	3.4	2.8	.6	.2												96	86	113		
70/ 69	1.1	3.1	1.1	.9	.3													58	58	331		
68/ 67	.5	.5	.8	.1	.2													18	18	282		
66/ 66																				95		
64/ 63																				23		
62/ 61																				5		
60/ 59																				109		
58/ 57																				45		
56/ 55																				24		
TOTAL	1.9	6.8	10.8	19.5	28.7	23.3	7.7	1.7										880	880	680		
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.	4467095	61905	70.3	11.303	880	≤ 0 F	> 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	5036418	66510	75.6	3.309	880			90.0	73.4	9.7		90										
Wet Bulb	4147793	60387	68.6	2.117	880			77.4	3.2			90										
Dew Point	3726904	57204	65.0	3.088	880			28.5	.2			90										

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22909 WHEELER AFB HI 67-73,73-78 NOV
 STATION STATION NAME YEARS MONTH
 PAGE 1 1800-2000
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77			.1	.4	.6	.1	.1											11	11		
76/ 75			.2	2.8	3.3													54	54		
74/ 73		1.9	5.9	13.4	2.8	.3												190	190	3	2
72/ 71	.4	4.5	12.0	10.9	2.2													234	234	36	16
70/ 69	.3	5.6	13.3	4.7	.1													188	188	146	51
68/ 67	.4	4.0	4.2	1.0	.1													76	76	300	153
66/ 65	.4	1.4	1.4	.4														28	28	217	237
64/ 63																				60	182
62/ 61																				18	105
60/ 59																				3	25
58/ 57																					7
56/ 55																					3
TOTAL	1.4	17.4	37.8	33.7	9.2	.4	.1											781	781	781	781

Element (X)	ΣX^2	ΣX	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5115208	62900	80.9	7.957	781	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3973544	55674	71.3	2.479	781			86.8	29.4			90
Wet Bulb	3522040	52420	67.1	2.166	781			55.9	.3			90
Dew Point	3302022	59738	65.0	2.728	781			25.6	.2			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 604

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02508 WHEELER AFB HI
 STATION STATION NAME

57-70, 73-78
 YEARS

NGV
 MONTH

PAGE 1 2100-2300
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
75/ 75				.4	.2													3	3		
74/ 73	.2	.7	2.7	2.5	.2													28	28	2	2
72/ 71	.2	5.2	13.0	4.3	.9													105	105	6	1
70/ 69	1.1	10.3	16.2	2.0	.2													133	133	60	35
68/ 67	1.1	14.2	11.7	.9	.4													126	126	148	89
66/ 65		5.4	4.0	.7														45	45	141	115
64/ 63		1.1																5	5	67	110
62/ 61																				18	69
60/ 59																				3	15
58/ 57																					7
56/ 55																					2
TOTAL	2.7	36.9	47.6	10.8	2.0													445	445		445

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3294257	38165	85.8	6.389	445	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2134775	30805	69.2	2.280	445			79.9	6.3			90
Wet Bulb	1958628	29506	66.3	2.233	445			43.7	.4			90
Dew Point	1870888	28828	64.8	2.748	445			25.7	.4			90

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 JUL 64

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22504 WHEELER AFB HI 67-73,73-78 NOV
 STATION STATION NAME YEARS MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 85						.1	.1	.0	.0	.0								14	14		
84/ 83						.3	.6	.7	.1									79	79		
82/ 81				.0	.2	1.4	2.8	.6	.1	.0								240	240		
80/ 79				.4	1.3	5.3	1.3	.9	.0									414	414		
78/ 77			.4	1.4	4.7	4.1	1.5	.1										569	569		
76/ 75		.2	1.3	3.8	5.9	2.0	.4	.0										637	637	8	
74/ 73	.0	1.0	3.4	6.0	1.7	.8												611	611	135	24
72/ 71	.3	2.7	6.1	4.0	.9	.1	.0											667	667	441	104
70/ 69	.6	5.2	6.3	1.8	.3													670	670	1299	350
68/ 67	.4	5.1	3.3	.6	.2													453	453	1425	843
66/ 65	.1	3.3	1.2	.3	.0													233	233	862	1262
64/ 63	.0	1.7	.1	.0														91	91	368	1063
62/ 61	.0	.6	.0															30	30	136	658
60/ 59	.0	.1																8	8	43	240
58/ 57		.0																1	1	4	116
56/ 55																					23
54/ 53																					4
TOTAL	1.5	19.8	22.2	18.3	15.2	14.1	6.7	1.6	.3	.1								4717	4717	4717	

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	27791882	356918	75.7	12.903	4717	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	25438822	345650	73.3	4.839	4717			664.6	391.4	80.0		720
Wet Bulb	21644366	319270	67.7	2.708	4717			504.3	21.8			720
Dew Point	19835810	305542	64.8	3.070	4717			206.2	3.7			720

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

6205

SIGNAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22503 WHEELER AFB HI 67-68, 75, 78 YEARS DEC
 STATION STATION NAME MONTH
 PAGE 1 3300-05
 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 P															
72/ 71		15.0																	3	3		3														
70/ 69																																				
68/ 67		20.0	5.0																5	5																
66/ 65		20.0	5.0	5.0															5	6	4															
64/ 63			5.0																1	1	6															
62/ 61		15.0	5.0																4	4	1															
60/ 59																						5														
58/ 57		5.0																	1	1	1															
56/ 55																																				
TOTAL		75.0	20.0	5.0															20	20		2														
																			20			20														

Element (X)	Σx^2	Σx	\bar{x}	s_x^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	158435	1777	88.9	5.373	20	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	86028	1310	65.5	3.426	20			37.2				93
Wet Bulb	80777	1269	63.5	3.692	20			14.0				93
Dew Point	77682	1244	62.2	4.008	20			14.0				93

6206
 USAFETAC FORM 0-26-5 (OLA) JUL 64
 REPRODUCED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 67-70,73-78 DEC
STATION STATION NAME YEARS MONTH
PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																			
76/ 75				.1																														1	1				
74/ 73			.2																																2	2			
72/ 71		2.5	2.1	.6	.1																													44	44	1	1		
71/ 69	.9	4.6	6.7	3.1	.7																													130	130	41	29		
69/ 67	1.1	12.2	9.8	1.5	.4																														206	207	85	62	
66/ 65	.5	11.1	5.2	1.8	.2																														155	157	188	104	
64/ 63	.1	11.1	3.1	1.6																															132	132	196	170	
62/ 61	.2	8.5	1.3	.4		.1																													87	87	137	170	
60/ 59	.1	4.8	.1																																42	42	113	142	
58/ 57	.4	1.9	.1																																20	20	44	81	
56/ 55	.2	.5																																	6	6	17	50	
54/ 53																																						3	13
52/ 51																																					1	2	
48/ 47																																							
44/ 43																																							
TOTAL	3.3	35.7	428.6	9.2	1.5	.1																															626		626
Element (X)	Z _X ²	Z _X	X̄	s _X	No. Obs.	Mean No. of Hours with Temperature																																	
Rel. Hum.	6367711	72267	67.5	7.389	826	≥ 0 F	≥ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																											
Dry Bulb	3581508	54380	65.7	3.448	826			43.1	.3			93																											
Wet Bulb	3312504	52238	63.2	3.277	826			14.3				93																											
Dew Point	3171895	51095	61.9	3.692	826			10.4				93																											

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

SAC-AL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22503 WHEELER AFB HI 57-70, 73-79 DEC
 STATION NO. STATION NAME YEARS MONTH
 PAGE 1 0900-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																
83								.1																									1	1			
81							.5	.1																									5	5			
79				.3	.2	2.9	.3	.1																									35	35			
77				.9	3.8	2.7	1.6																										79	79			
75				.7	3.5	8.3	3.7	1.1																									154	154	1		
73		1.4	2.1	2.7	5.3	3.3	.6																										164	164	2		
71	.1	3.9	5.2	7.3	3.5	1.4	.1																										191	191	49	10	
69	1.0	2.3	5.5	3.3	3.2	.6																											140	140	187	69	
67	.1	1.8	3.0	1.9	1.2	.1																											73	73	260	84	
65		1.0	.7	.5	.1																												20	20	207	167	
63			.1	.2	.1																												4	4	137	198	
61	.1	.1																															2	2	56	147	
59																																				13	99
57																																				4	54
55																																					29
53																																					7
51																																					3
TOTAL	1.4	10.5	17.3	26.5	25.5	14.9	3.8	.2																										888	888	388	

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Rel. Hum.	4855503	54913	73.1	11.109	888							
Dry Bulb	4780755	64537	72.7	3.426	888			90.3	48.0	1.8		93
Wet Bulb	3951838	59188	66.7	2.763	888			52.3	.3			93
Dew Point	3576825	56261	63.4	3.733	888			17.2	.1			93

USAFETAC FORM 0-20-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 JUL 64

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 HEELER AFB HI 67-70, 73-78 DEC
 STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRES. ON (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67/85					.1													1	1																
67/83				.1	.2	.1		.3	.1									8	8																
67/81			.2	.2	1.0	3.3	.5											51	51																
67/79		.2	.1	1.3	8.6	2.4	1.3	.1										120	120																
73/77			.3	7.5	7.4	5.2	.5											184	184	3															
73/75		1.6	4.3	8.0	7.8	2.5												206	206	6	1														
74/73		.9	2.5	4.3	2.6	4.0	1.0											134	134	9	6														
72/71	.1	2.0	2.1	2.2	3.1	1.5	.3											98	98	79	13														
70/69	.3	.8	1.5	1.3	1.3	.8												48	48	256	60														
66/67	.1	1.1	.6		.1	.2												19	19	242	63														
66/65		.1																1	1	172	190														
64/63																				71	103														
62/61																				27	131														
60/59																				3	111														
58/57																				2	63														
56/55																					38														
54/53																					9														
52/51																					2														
TOTAL	.6	4.9	8.5	12.3	24.0	31.1	115.3	2.9	.3									870	870	870	870														
Element (X)	Σx ²	Σx	̄x	σ _s	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	3900558	57422	66.0	11.280	870	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	4988715	65615	75.6	3.366	870			92.9	75.3	12.2		93																							
Wet Bulb	3987362	58952	67.6	2.684	870			63.6	1.9			93																							
Dew Point	3491045	55005	63.2	3.927	870			17.4	.7			93																							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22808 WHEELER AFB HI 67-72, 73-78 YEARS DEC
 STATION STATION NAME MOVN

PAGE 1 1500-1700
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
81				.1	.1	.2	.5											9	9																
79			.4	.1	.2	1.4	.9	.6										27	27																
77			.5	.8	5.3	4.3	2.1	.1	.1									116	116																
75			.9	4.3	9.6	5.7	1.4	.1										194	194	4															
73		.7	3.0	10.9	6.4	4.7	.2											222	222	8	5														
71	.1	2.1	3.5	4.4	3.7	1.5	.2											135	135	46	14														
69		2.3	2.6	1.5	2.3	1.6	.2											91	91	175	58														
67	.7	1.9	1.2	.8	.9	.1												42	48	274	99														
65	.1	.5		.1	.2													8	8	202	183														
63		.6				.1												6	6	81	159														
61																				42	166														
59																				17	89														
57																				3	47														
55																					34														
53																					1	17													
51																						2													
49																						1													
47																						1													
45																						1													
TOTAL	.9	8.1	12.0	22.8	26.9	21.3	5.1	.8	.1										856	856		856													
																			856		956														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4354174	60313	70.9	11.082	856							
Dry Bulb	4635894	62934	73.5	3.230	856			91.5	61.7	1.8		93
Wet Bulb	3829706	57206	66.8	2.791	856			55.4	1.3			93
Dew Point	3423008	54024	63.1	3.964	856			16.9	.5			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22536 WHEELER AFB MI

67-70, 73-78

DEC

STATION STATION NAME

YEARS

MONTH

PAGE 1 1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
76/ 75		.1	.3	.4	.1												7	7		
74/ 73		.8	2.7	5.3	.5	.1											70	71	1	
72/ 71		2.2	10.2	11.7	3.7												204	205	8	3
70/ 69	.4	5.7	1.1	8.1	2.7												228	228	68	24
67/ 67	.1	3.7	6.8	4.9	.5												120	120	190	93
65/ 65	.3	2.4	4.2	3.4	.1												78	78	226	143
64/ 63	.1	.8	1.8	.3	.4												25	25	132	167
62/ 61		.9	.3														6	6	70	136
67/ 59																			3	85
64/ 57																			4	59
56/ 55																			1	18
54/ 53																				5
52/ 51																				3
TOTAL	.9	16.3	40.2	33.9	8.9	.1											738	740	736	738

Element (X)	$\sum X^2$	$\sum X$	\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.	4769215	59037	80.0	7.943	738							
Dry Bulb	3578387	51423	69.8	2.595	740			79.3	9.8			93
Wet Bulb	3154836	48210	65.3	2.734	738			33.6	.1			93
Dew Point	2939020	46502	63.0	3.473	738			15.1				93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22506 WHEELER AFB HI 67-73, 73-73 DEC
 STATION MONTH

PAGE 1 2100-2300
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point															
74/73		.5		.8														5	5																	
72/71		2.6	3.6	3.9	1.0													43	43	4	2															
70/69	.5	8.3	13.5	4.7	.3													105	107	22	15															
68/67	.8	13.0	13.0	2.8	.3													115	115	71	40															
66/65	.5	8.3	4.7	4.1	.8													71	71	118	67															
64/63		2.8	3.6	.3	.3													27	27	91	96															
62/61		2.6	2.3															19	19	38	73															
60/59				.3														1	1	31	41															
58/57																				10	30															
56/55																					15															
54/53																					5															
52/51																					2															
TOTAL	1.8	38	140	716	8	2.0												386	388	386	386															

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mo. No. of Hours with Temperature					
Rel. Hum.	2784024	32638	84.5	9.006	386	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	Total
Dry Bulb	1776319	26233	67.6	2.634	388			64.7	1.2		93
Wet Bulb	1610333	24907	64.3	2.877	386			23.4			93
Dew Point	1524919	24221	62.7	3.632	386			13.7			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22593 WHEELER AFB HI
 STATION STATION NAME

67-70, 73-73 YEARS

DEC
 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	HOURS (L. S. T.)																	
85/85					.1																												1	1				
83/83				.1	.1	.1																												9	9			
81/81				.1	.1	.3	.3	.3																										65	65			
79/79			.1	.1	.3	2.5	.6	.4																									182	182				
77/77			.1	.4	3.1	2.8	1.7	.2																									379	379	3			
75/75		.1	.7	2.3	4.9	3.4	1.0	.0																									562	562	11	1		
73/73		.7	1.9	5.4	2.7	2.2	.3																										617	618	20	12		
71/71	.1	2.6	4.3	5.0	2.7	.8	.1																										719	720	187	43		
69/69	.6	3.5	6.4	3.3	1.8	.6	.0																											744	746	757	237	
67/67	.9	4.9	4.9	1.9	.7	.1																												595	596	1125	467	
65/65	.2	3.5	2.2	1.3	.2																													344	345	1118	876	
63/63	.0	2.5	1.2	.4	.1	.0																												197	197	690	963	
61/61	.1	1.9	.9	.1		.0																												115	118	378	828	
59/59	.0	.9	.0	.0																														43	43	221	574	
57/57	.1	.4		.0																														21	21	68	341	
55/55	.0	.1																																6	6	19	185	
53/53																																					4	56
51/51																																				1	1	
49/49																																						1
47/47																																						2
45/45																																						1
43/43																																						1
TOTAL	1.4	21.1	22.4	20.3	16.7	12.8	4.6	.7	.1																										4602	4608	4602	4602
Element (X)	Σx'	Σx	Σ	Σ	Σ	Σ	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total																						
Rel. Hum.	27320732	349898	76.0	12.487	4602	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F				744																							
Dry Bulb	23426415	327839	71.1	4.754	4608						626.1	293.2	23.9	744																								
Wet Bulb	20001472	303024	65.8	3.247	4602						340.0	5.5		744																								
Dew Point	18274741	289475	62.9	3.793	4602						122.9	2.1		744																								

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22000 WHEELER AFB HI 67-70, 73-79 ALL
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb/Dew Point																		
80/ 84							.1	.0	.0	.0																						18	18				
88/ 87					.0	.0	.0	.1	.2	.0	.0																					203	203				
86/ 85				.0	.0	.0	.1	.2	.3	.7	.2																					825	925				
84/ 83		.0	.0	.0	.1	.6	1.3	1.9	.2	.0	.0																					2197	2197				
82/ 81		.0	.0	.1	.5	1.9	3.2	.8	.1	.0																						3846	3846	1			
81/ 79		.0	.1	.4	1.6	4.9	1.6	.8	.1	.0																						5504	5504	17	2		
79/ 77		.0	.2	1.1	4.1	3.6	1.9	.2	.0																							6552	6552	82	19		
76/ 75	.0	.2	1.0	3.1	4.9	2.9	.9	.1	.0																							7506	7508	408	74		
74/ 73	.0	.6	2.4	5.5	2.7	1.5	.2	.0																									7503	7504	2433	292	
72/ 71	.1	1.5	4.0	4.1	1.9	.4	.1	.0																									7016	7017	5858	1071	
70/ 69	.2	2.6	4.8	2.5	1.0	.2	.0	.0																									6573	6575	13206	3596	
67/ 67	.2	2.9	3.5	1.2	.4	.1	.0																										4752	4754	14126	8180	
66/ 65	.2	2.5	1.6	.7	.1	.0																											2938	2939	10962	12324	
64/ 63	.1	1.4	.6	.2	.1	.0																											1385	1385	6151	12651	
62/ 61	.1	.8	.2	.1	.0	.0																											699	699	2661	9588	
60/ 59	.1	.5	.1	.0	.0																												345	345	1339	5405	
58/ 57	.0	.2	.0	.0																													134	134	549	2893	
56/ 55	.0	.1	.0	.0																													51	51	197	1159	
54/ 53		.0																															6	6	57	454	
52/ 51		.0																															2	2	6	224	
50/ 49		.0																															1	1	3	94	
48/ 47																																					25
46/ 45																																				4	
44/ 43																																				1	
TOTAL		.913	1.118	5.19	1.117	4.16	3	9.5	4.3	.8	.1	.0	.0																					58056	58065	58056	
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	309702440	4172780	71.9	12.986	58056	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																									
Dry Bulb	318080143	4285435	73.8	5.564	58056			7917.3	5141.4	1472.1		8760																									
Wet Bulb	263368520	3905224	67.3	3.417	58056			5444.8	440.6	1.1		8760																									
Dew Point	236830000	3701676	63.8	3.734	58056			1994.4	58.1	.1		8760																									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22506 WHEELER AFB HI

67-70, 73-79

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN			72.0	67.3	70.3		72.1		70.3		67.3	67.1	68.7
	S D				.816	6.076		.900		1.506		.500	2.071	2.950
	TOTAL OBS			1	6	4		7		6		4	18	46
03-05	MEAN	62.3	60.5	66.5	65.9		68.0	69.9	70.9	68.5	68.0	65.5	65.5	65.6
	S D	3.586	2.950	2.380	1.364		1.826	3.185	1.595			2.258	3.426	4.115
	TOTAL OBS	26	6	4	9		7	7	10	2	3	6	20	100
06-08	MEAN	64.1	63.7	65.1	66.9	68.7	70.4	71.2	71.7	71.0	69.9	67.6	65.7	68.0
	S D	4.007	3.511	2.954	2.880	3.085	2.967	2.979	2.873	3.030	3.180	2.937	3.448	4.196
	TOTAL OBS	855	790	679	835	856	836	854	879	842	866	830	828	10150
09-11	MEAN	71.1	71.4	72.1	73.7	76.2	77.4	78.3	78.9	79.4	78.4	75.5	72.7	75.5
	S D	3.323	3.660	3.233	3.303	3.105	3.086	3.020	3.066	3.019	3.267	3.370	3.426	4.387
	TOTAL OBS	906	846	930	894	926	896	927	930	899	930	885	888	10857
12-14	MEAN	74.3	74.8	75.2	76.4	78.6	80.1	81.3	82.2	82.2	80.8	78.0	75.6	78.3
	S D	3.379	3.876	3.281	3.411	3.043	2.973	2.779	2.980	2.975	3.219	3.516	3.366	4.317
	TOTAL OBS	906	845	929	893	928	897	926	930	898	930	886	870	10838
15-17	MEAN	72.8	73.3	73.9	74.9	77.0	78.9	80.1	81.0	80.5	78.7	75.6	73.5	76.7
	S D	3.325	3.574	3.274	3.397	3.145	2.915	2.912	2.826	2.975	3.093	3.309	3.230	4.307
	TOTAL OBS	902	845	929	894	930	896	922	929	899	930	880	856	10812
18-20	MEAN	68.7	68.8	69.4	70.4	72.5	74.3	75.3	75.9	75.2	74.0	71.3	69.5	72.1
	S D	2.865	2.935	2.499	2.576	2.646	2.422	2.495	2.236	2.133	2.129	2.479	2.595	3.644
	TOTAL OBS	813	776	380	830	845	823	827	850	824	831	781	740	9820
21-23	MEAN	66.1	65.9	67.2	68.0	69.7	71.4	72.3	73.2	72.6	71.6	69.2	67.6	69.6
	S D	3.002	2.790	2.035	2.004	2.037	1.942	1.802	1.626	1.758	2.011	2.280	2.634	3.322
	TOTAL OBS	455	440	477	456	468	446	453	489	466	459	445	388	5442
ALL HOURS	MEAN	69.9	70.1	70.8	72.1	74.3	75.8	76.9	77.6	77.3	76.0	73.3	71.1	73.6
	S D	4.975	5.241	4.668	4.655	4.700	4.581	4.665	4.745	4.966	4.946	4.639	4.754	5.564
	TOTAL OBS	4853	4548	5029	4817	4957	4801	4923	5017	4836	4949	4717	4608	58065

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22508 WHEELER AFB HI

67-70, 73-79

STATION	STATION NAME	YEARS												
HRS /LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN			68.0	64.3	64.8		67.1		67.3		64.0	64.1	65.2
	S D				.816	2.062		1.345		.816		2.944	2.805	2.512
	TOTAL OBS			1	6	4		7		6		4	18	46
03-05	MEAN	60.3	59.3	63.5	63.1		65.7	66.1	68.0	66.0	65.3	62.7	63.5	63.2
	S D	3.187	2.733	1.732	1.167		1.254	1.864	1.633			2.733	3.692	3.676
	TOTAL OBS	26	6	4	9		7	7	10		2	3	6	20
05-08	MEAN	61.8	61.3	62.2	63.6	65.1	66.4	67.1	67.8	67.4	66.8	65.1	63.2	64.9
	S D	3.817	3.337	2.736	2.337	2.187	2.011	2.021	2.083	2.037	2.513	2.608	3.277	3.454
	TOTAL OBS	855	790	879	835	856	835	854	879	842	866	830	826	10147
09-11	MEAN	65.5	65.2	65.4	66.5	68.0	69.2	69.9	70.6	70.7	70.3	68.6	66.7	68.1
	S D	2.996	2.995	2.225	2.432	1.982	2.082	1.894	1.955	1.853	2.068	2.140	2.763	3.075
	TOTAL OBS	906	846	930	894	926	895	927	930	899	930	885	888	10856
12-14	MEAN	66.6	66.4	66.4	67.3	68.7	69.9	70.7	71.4	71.4	70.9	69.4	67.6	68.9
	S D	2.729	2.981	2.280	2.485	1.831	2.143	2.057	2.089	1.902	2.051	2.145	2.684	2.983
	TOTAL OBS	906	845	929	893	928	897	926	930	898	930	886	870	10638
15-17	MEAN	65.9	65.8	65.9	66.7	68.2	69.4	70.2	71.0	70.8	70.3	69.6	66.8	68.3
	S D	2.777	2.884	2.250	2.402	1.829	2.066	1.997	2.133	1.869	2.078	2.117	2.791	2.996
	TOTAL OBS	902	845	929	894	930	896	922	929	899	930	880	856	10812
18-20	MEAN	64.4	64.1	64.3	65.1	66.7	67.8	68.6	69.3	69.2	68.9	67.1	65.3	66.7
	S D	2.937	2.923	2.166	2.307	1.955	1.966	1.834	1.803	1.722	1.953	2.166	2.734	2.963
	TOTAL OBS	812	776	880	830	845	823	827	850	824	831	781	738	9817
21-23	MEAN	63.1	62.6	63.5	64.3	65.7	66.8	67.6	68.5	68.4	68.0	66.3	64.5	65.8
	S D	3.217	3.046	2.179	2.146	1.828	1.800	1.702	1.721	1.639	1.966	2.233	2.877	3.039
	TOTAL OBS	455	440	477	456	468	446	453	489	466	459	445	396	5440
ALL HOURS	MEAN	64.7	64.4	64.7	65.7	67.2	68.4	69.2	69.9	69.8	69.4	67.7	65.8	67.3
	S D	3.511	3.513	2.741	2.719	2.350	2.409	2.353	2.386	2.338	2.578	2.708	3.247	3.417
	TOTAL OBS	4862	4548	5029	4817	4957	4799	4923	5017	4836	4949	4717	4602	58056

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

2250c WHEELER AFB HI

67-70,73-79

STATION	STATION NAME	YEARS												
HRS IL ST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN			66.0	62.3	61.5		64.6		65.8		62.0	62.4	63.1
	S D				.816	.577		1.902		1.169		5.228	3.664	3.124
	TOTAL OBS			1	6	4		7		5		4	18	46
03-05	MEAN	59.0	58.5	62.0	61.7		64.4	64.3	66.5	64.5	63.7	61.0	62.2	61.8
	S D	3.311	2.811	2.449	1.732		1.512	1.704	2.714			3.688	4.008	3.792
	TOTAL OBS	26	6	4	9		7	7	10	2	3	6	20	100
06-08	MEAN	60.0	59.9	60.5	61.7	63.1	64.4	65.0	65.9	65.7	65.2	63.8	61.9	63.1
	S D	4.223	3.869	3.264	2.789	2.532	2.371	2.365	2.415	2.157	2.694	2.972	3.692	3.665
	TOTAL OBS	855	790	879	835	856	835	854	879	842	866	830	826	10147
09-11	MEAN	62.2	61.6	61.5	62.4	63.6	64.9	65.5	66.5	66.4	66.2	65.1	63.4	64.1
	S D	4.146	4.145	3.345	3.461	2.975	3.096	2.774	2.798	2.654	2.866	3.052	3.733	3.750
	TOTAL OBS	906	846	930	894	926	895	927	930	899	930	885	888	10656
12-14	MEAN	62.0	61.5	61.2	62.1	63.4	64.5	65.3	66.1	66.0	65.9	65.0	63.2	63.9
	S D	4.129	4.453	3.678	3.655	2.954	3.434	3.183	3.105	3.023	3.132	3.367	3.927	3.934
	TOTAL OBS	906	845	929	893	928	897	926	930	898	930	886	870	10838
15-17	MEAN	61.9	61.4	61.2	62.0	63.5	64.5	65.2	65.7	65.9	66.1	65.0	63.1	63.8
	S D	4.028	4.174	3.343	3.498	2.905	3.102	3.010	3.031	2.928	3.088	3.088	3.964	3.805
	TOTAL OBS	902	845	929	894	930	896	922	929	899	930	880	856	10812
18-20	MEAN	61.9	61.2	61.2	62.0	63.5	64.3	65.1	66.0	66.2	66.3	65.0	63.0	63.8
	S D	3.789	3.884	2.985	3.147	2.693	2.777	2.569	2.483	2.440	2.587	2.728	3.473	3.517
	TOTAL OBS	812	776	880	830	845	823	827	850	824	831	781	738	9617
21-23	MEAN	61.4	60.6	61.2	62.2	63.6	64.4	65.2	66.2	66.3	66.2	64.8	62.7	63.3
	S D	3.903	3.865	3.002	2.867	2.507	2.416	2.315	2.334	2.124	2.438	2.748	3.632	3.512
	TOTAL OBS	455	440	477	456	468	446	453	489	466	459	445	386	5440
ALL HOURS	MEAN	61.7	61.1	61.1	62.1	63.4	64.5	65.2	66.1	66.1	66.0	64.8	62.9	63.8
	S D	4.097	4.138	3.319	3.295	2.798	2.943	2.766	2.753	2.631	2.873	3.070	3.793	3.734
	TOTAL OBS	4862	4548	5029	4817	4957	4799	4923	5017	4836	4949	4717	4602	58056

2
 DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

22506 WHEELER AFB HI

67-70,73-79

ALL

STATION

STATION NAME

PERIOD

MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	98.6	89.3	72.0	52.4	18.9	78.7	4862
FEB		100.0	100.0	100.0	100.0	96.9	85.9	68.2	48.8	22.8	77.7	4548
MAR		100.0	100.0	100.0	100.0	97.3	85.9	68.3	48.0	11.7	75.8	5029
APR		100.0	100.0	100.0	99.9	97.2	84.9	67.6	48.5	7.5	75.7	4817
MAY		100.0	100.0	100.0	100.0	95.9	74.2	51.4	32.2	4.1	71.6	4957
JUN		100.0	100.0	100.0	100.0	95.1	76.9	57.1	32.6	6.6	72.4	4799
JUL		100.0	100.0	100.0	100.0	96.1	78.2	61.0	26.3	2.1	71.8	4923
AUG		100.0	100.0	100.0	100.0	96.3	75.5	57.1	31.3	2.4	71.9	5017
SEP		100.0	100.0	100.0	99.9	96.3	79.2	65.0	42.8	8.5	74.4	4836
OCT		100.0	100.0	100.0	100.0	97.2	82.0	65.6	43.7	5.3	75.0	4949
NOV		100.0	100.0	100.0	100.0	98.7	89.2	71.6	51.3	17.1	78.7	4717
DEC		100.0	100.0	100.0	100.0	99.2	91.2	76.5	53.3	17.2	79.4	4602
TOTALS		100.0	100.0	100.0	100.0	97.1	82.7	65.1	42.6	10.4	75.3	58056

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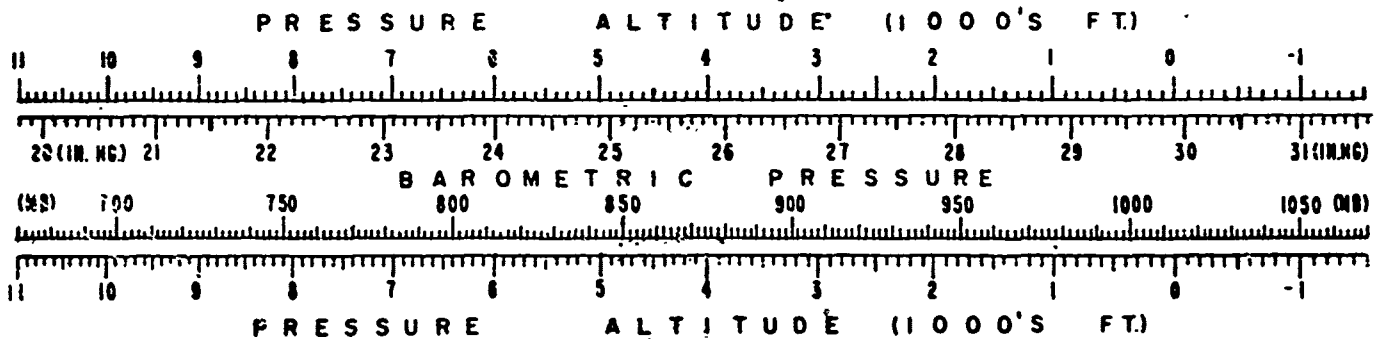
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

205 W WHEELER AFB HI

67-70, 73-79

STATION	STATION NAME	YEARS												
WDS L S		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
02					29.115			28.970		29.250			29.132	29.105
	MEAN												.022	.055
	S D													
	TOTAL OBS				2			1		1			6	10
05		29.171	29.187	29.280	29.080		29.145	29.108	29.119	29.100	29.090	29.077	29.093	29.139
	MEAN													
	S D	.084	.037	.138	.023		.026	.079	.034			.065	.076	.083
	TOTAL OBS	26	6	4	6		6	5	9	2	3	6	5	81
08		29.094	29.150	29.189	29.189	29.182	29.180	29.169	29.164	29.144	29.142	29.131	29.139	29.156
	MEAN													
	S D	.103	.100	.089	.084	.061	.055	.051	.043	.046	.057	.088	.091	.090
	TOTAL OBS	302	282	310	298	310	298	309	310	300	310	296	296	3621
11		29.106	29.166	29.201	29.198	29.184	29.182	29.172	29.170	29.151	29.149	29.136	29.147	29.154
	MEAN													
	S D	.105	.098	.086	.084	.062	.054	.052	.044	.046	.058	.088	.090	.079
	TOTAL OBS	302	282	310	298	308	299	309	310	300	310	295	295	3618
14		29.034	29.101	29.145	29.149	29.148	29.151	29.143	29.133	29.101	29.080	29.072	29.076	29.112
	MEAN													
	S D	.104	.098	.088	.083	.062	.055	.052	.044	.047	.058	.085	.092	.083
	TOTAL OBS	302	282	310	298	310	299	308	310	300	310	295	287	3611
17		29.043	29.093	29.131	29.130	29.129	29.130	29.122	29.113	29.096	29.087	29.079	29.085	29.103
	MEAN													
	S D	.099	.098	.098	.080	.061	.055	.052	.043	.046	.057	.084	.090	.078
	TOTAL OBS	300	281	310	298	310	298	307	309	299	310	293	284	3599
20		29.094	29.146	29.184	29.176	29.169	29.168	29.158	29.149	29.134	29.134	29.133	29.132	29.149
	MEAN													
	S D	.100	.093	.085	.081	.059	.052	.050	.039	.044	.055	.085	.091	.076
	TOTAL OBS	238	226	260	239	242	235	232	253	242	240	231	213	2851
23		28.960	29.190	29.130	29.147		29.230	29.127	29.150	29.163	29.180	29.210	29.163	29.156
	MEAN													
	S D												.031	.068
	TOTAL OBS	1	1	2	3		1	3	3	3	2	3	6	28
ALL HOURS		29.075	29.131	29.170	29.167	29.162	29.162	29.152	29.146	29.124	29.119	29.109	29.116	29.136
	MEAN													
	S D	.107	.102	.092	.086	.064	.057	.055	.048	.052	.063	.090	.095	.083
	TOTAL OBS	1471	1360	1506	1442	1480	1436	1474	1504	1447	1485	1419	1395	17419

2
 FEDERAL CLIMATOLOGY SERVICE
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

STATION: WHEELER AFB HI

67-73, 73-79

STATION	STATION NAME	YEARS												
HRS. S.P.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2					1015.2			1010.1		1013.1			1015.3	1015.2
	MEAN													
	S D												.927	2.175
	TOTAL OBS				2			1		1			5	10
3		1012.7		1013.6	1017.1		1016.3	1014.7	1015.3	1012.4	1014.9	1015.6	1014.9	1015.6
	MEAN													
	S D				2.134		.891	3.127	1.247			1.197	2.560	2.084
	TOTAL OBS	1		2	5		6	4	7	1	2	4	8	41
5		1015.3	1017.4	1018.8	1018.6	1018.2	1018.1	1017.6	1017.0	1016.3	1016.4	1016.5	1016.9	1017.3
	MEAN													
	S D	3.659	3.353	2.917	2.719	1.756	1.552	1.586	1.573	1.665	1.960	2.635	3.213	2.577
	TOTAL OBS	297	282	310	297	310	297	309	310	300	310	293	287	3602
11		1015.6	1017.8	1019.1	1019.8	1018.2	1018.1	1017.7	1017.1	1016.4	1016.5	1016.6	1017.0	1017.4
	MEAN													
	S D	3.639	3.319	2.874	2.695	1.771	1.531	1.556	1.598	1.702	1.972	2.627	3.172	2.562
	TOTAL OBS	297	282	310	297	308	298	309	310	300	310	292	287	3600
14		1013.1	1015.5	1017.1	1017.2	1017.0	1017.0	1016.6	1015.7	1014.7	1014.4	1014.3	1014.5	1015.6
	MEAN													
	S D	3.537	3.323	2.837	2.624	1.746	1.510	1.565	1.606	1.691	1.974	2.556	3.162	2.772
	TOTAL OBS	296	281	310	297	310	298	308	310	300	310	293	280	3595
17		1013.4	1015.3	1016.7	1016.6	1016.4	1016.4	1015.9	1015.1	1014.4	1014.4	1014.6	1014.9	1015.4
	MEAN													
	S D	3.486	3.322	2.841	2.601	1.747	1.467	1.572	1.592	1.637	1.929	2.486	3.117	2.604
	TOTAL OBS	297	291	310	297	309	296	307	309	299	310	291	279	3587
20		1015.2	1017.2	1018.5	1018.2	1017.8	1017.6	1017.2	1016.4	1016.0	1016.1	1016.4	1016.6	1016.9
	MEAN													
	S D	3.431	3.288	2.854	2.588	1.705	1.454	1.508	1.430	1.572	1.854	2.572	3.250	2.573
	TOTAL OBS	238	226	260	239	242	235	232	253	242	240	231	213	2851
23				1020.7	1017.9		1019.1	1018.4	1016.3	1016.8	1016.5	1016.7	1017.4	1017.7
	MEAN													
	S D												1.258	1.635
	TOTAL OBS			1	3		1	3	3	3	1	3	6	24
ALL HOURS		1014.5	1016.6	1018.0	1017.8	1017.5	1017.4	1017.0	1016.2	1015.5	1015.5	1015.7	1016.0	1016.5
	MEAN													
	S D	3.710	3.477	3.017	2.784	1.897	1.650	1.713	1.738	1.873	2.158	2.762	3.340	2.801
	TOTAL OBS	1428	1352	1503	1438	1479	1433	1475	1502	1446	1483	1407	1366	17310