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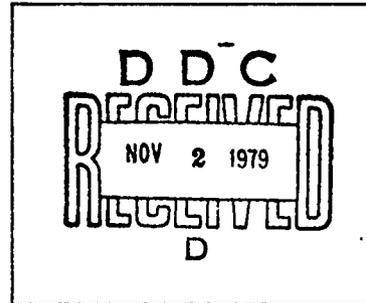
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**AD A076073**

USAFETAC/DS-79/079

**DATA PROCESSING DIVISION  
ETAC, USAF  
Air Weather Service (MAC)**

**REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS**

HONOLULU OAHU/JOHN RODGERS WBAS WBAN # 22521  
N 21 20 W 157 55 ELEV 15 FT PHNL WMO # 91102

PARTS A-F  
POR FROM HOURLY OBS JUN 39-JUL 49, NOV 49-MAY 67  
POR FROM DAILY OBS JUN 39-JUL 49, NOV 49-MAY 67

05 DEC 1967

**FEDERAL BUILDING  
ASHEVILLE, N. C.**

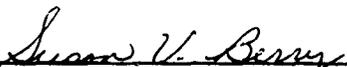
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This technical report has been reviewed and is approved for publication.

  
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FOR THE COMMANDER

  
WALTER S. BURGMANN  
Scientific & Technical  
Information Officer

UNCLASSIFIED  
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS-79/079	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO                      Daily temperature                      Atmospheric pressure Snowfall                      Extreme snow depth                      Extreme surface winds Climatology                      Sea-level pressure                      Psychrometric summary Surface Winds                      Extreme temperature                      Ceiling versus visibility Relative humidity                      *Climatological data                      (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for John Rodgers WBAS, HI It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1 JAN 73 1473

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

\* HAWAII

\* JOHN RODGERS UBAS, 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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REVISED  
UNIFORM SUMMARY  
OF  
SURFACE WEATHER OBSERVATIONS

STA NO.	STATION NAME	LATITUDE	LONGITUDE	STA. ELEV FT.	CALL SIGN	WMO NO.
22521	HONOLULU CAHU/JOHN RODGERS WBAS	N 21 20	W 157 55	15	PHNL	91182

PERIOD OF RECORD

FOR HOURLY OBSERVATIONS JUN 39-JUL 49, NOV 49-MAY 67  
FOR DAILY OBSERVATIONS JUN 39-JUL 49, NOV 49-MAY 67

SUMMARIES

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

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

Revised  
UNIFORM SUMMARY  
of  
SURFACE WEATHER OBSERVATIONS

DESCRIPTION OF SUMMARIES:

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

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

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

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

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

JANUARY \_\_\_\_\_  
FEBRUARY \_\_\_\_\_  
MARCH \_\_\_\_\_

APRIL \_\_\_\_\_  
MAY \_\_\_\_\_  
JUNE \_\_\_\_\_

JULY \_\_\_\_\_  
AUGUST \_\_\_\_\_  
SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_  
NOVEMBER \_\_\_\_\_  
DECEMBER \_\_\_\_\_

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ASHEVILLE, NORTH CAROLINA

A

## PART A

## WEATHER CONDITIONS

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

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

Occurrences of the various phenomena included in each category on the forms are listed below:

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

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

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

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

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

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

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 ASHFVILLE, N. C. 28801

WEATHER CONDITIONS

22521 HONOLULU (AHU)/JOHN ROOSEVELT WNAS 39-07 ALL  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITION,  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.2	3.0				8.0		.9			.9	19921
FEB		.2	2.9				8.4		.0			.6	17789
MAR		.2	8.2				8.2	.0	.1			.1	18969
APR		.1	7.5				7.5		.0			.0	18372
MAY		.1	6.0				6.0	.0	.1			.1	14955
JUN		.0	5.8				5.8	.0	.4			.4	16775
JUL		.0	6.3				6.3		.0		.0	.0	19359
AUG		.0	6.0				6.0		.0			.0	18700
SEP		.0	3.8				3.8	.0	.0			.0	18114
OCT		.0	6.5				6.5		.1		.0	.1	18725
NOV		.1	7.7				7.7	.0	.1			.1	18007
DEC		.1	9.1				9.0	.0	.1			.1	14396
TOTALS		.1	7.0				7.0	.0	.2		.0	.2	22482

4

DATA PROCESSING DIVISION  
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 ASHEVILLE, N. C. 28801

## WEATHER CONDITIONS

23521  
STATIONHONOLULU GARD/JOHNS RODGERS F8A5  
STATION NAME40-67  
YEARSJAN  
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	.3	8.6				8.6		.4			.4	7317
	03-05	.2	9.3				9.3		.4			.4	2314
	06-08	.2	8.1				8.1		1.4			1.4	2409
	09-11	.2	7.5				7.5		1.1			1.1	2409
	12-14		6.9				6.9		1.4			1.4	2406
	15-17	.2	7.9				7.9		1.4			1.4	2406
	18-20	.2	7.6				7.6		.5			.5	2348
	21-23	.2	8.2				8.2		.5			.5	2312
TOTALS		.2	8.0				8.0		.9			.9	12921

4

DATA PROCESSING DIVISION  
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ASHEVILLE, N. C. 28801

## WEATHER CONDITIONS

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.2	9.2				9.2		.6			.6	2117
	03-05	.5	10.4				10.4		.6			.6	2114
	06-08	.1	8.1				8.1		1.1			1.1	2199
	09-11	.2	7.7				7.7		.8			.8	2203
	12-14	.3	8.0				8.0		.4			.4	2202
	15-17	.4	7.8				7.7		.4			.4	2202
	18-20	.2	10.0				10.0		.4			.4	2136
	21-23	.1	9.0				9.0		.4			.4	2116
TOTALS		.2	8.8				8.8		.6			.6	17285

DATA PROCESSING DIVISION  
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 ASHEVILLE, N. C. 28801

# WEATHER CONDITIONS

22521  
 STATION

WINDLILL GARDEN UNIT RDU-APS WBAS  
 STATION NAME

40-03  
 YEARS

XAR  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (U.S.T.)	Thunder- STORMS	RAIN AND/OR DRIZZLE	FREZING 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.
	00-23	.2	10.3				10.5						2322
	1-3-0	.3	9.8				9.6		.0			.0	2322
	1-09	.2	8.4				8.4		.0			.0	2411
	07-11	.2	6.7				6.7		.1			.1	2414
	12-14	.2	6.7				6.7		.0			.0	2413
	15-17	.2	6.0				6.8		.1			.1	2412
	18-20	.4	7.5				7.5		.1			.1	2355
	21-23	.2	9.9				9.9	.0				.0	2320
TOTALS		.2	8.2				8.2	.0	.1			.1	18969

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

## WEATHER CONDITIONS

22521  
 STATION

HONOLULU DANU/JOHN RODGERS WEAS  
 STATION NAME

4-67  
 YEARS

APP  
 MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-01		9.2				9.2						2243
	01-05	.0	9.4				9.4						2243
	06-08	.0	7.3				7.3		.2			.2	2334
	09-11	.1	5.9				5.9						2339
	12-14	.0	5.3				5.3						2337
	15-17		5.2				5.2						2339
	18-20	.0	7.6				7.6						2284
	21-23	.1	9.2				9.2						2253
TOTALS		.1	7.5				7.5		.0			.0	18372

4  
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 ASHEVILLE, N. C. 28801

# WEATHER CONDITIONS

22521  
 STATION

HONOLULU CAMP/JOHN RODGERS WBAS  
 STATION NAME

40-67  
 YEARS

MAY  
 MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.1	7.5				7.5						2341
	03-05	.0	7.1				7.1	.0	.1			.1	2346
	06-08		5.8				5.8		.2			.2	2393
	09-11	.0	3.2				3.2		.1			.1	2398
	12-14	.2	4.2				4.2		.0			.0	2397
	15-17	.2	5.7				5.7		.1			.1	2398
	18-20	.1	7.3				7.3		.1			.1	2350
	21-23	.0	7.2				7.2		.1			.1	2330
TOTALS		.1	6.0				6.0	.0	.1			.1	18955

4  
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 ASHEVILLE, N. C. 28801

## WEATHER CONDITIONS

22521 STATION HONOLULU CAHU/JCH% RODGERS WNAS STATION NAME 39-66 YEARS JUN MONTH

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

MONTH	HOURS (L.S.T)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02		7.3				7.3		.5			.5	2289
	03-05		7.0				7.0	.0	.5			.5	2307
	06-08		6.6				6.6		.5			.5	2397
	09-11		4.7				4.7		.3			.3	2397
	12-14		3.0				3.0		.3			.3	2396
	15-17	.0	3.5				3.5		.5			.5	2396
	18-20	.0	6.6				6.6		.4			.4	2304
	21-23	.0	8.0				8.0		.4			.4	2289
TOTALS		.0	5.8				5.8	.0	.4			.4	18775

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 ETAC, USAF  
 ASHEVILLE, N. C. 28801

## WEATHER CONDITIONS

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.0	8.5				8.5						2366
	03-05	.0	8.9				8.9						2373
	06-08		7.0				7.0		.1			.1	2474
	09-11		4.5				4.5				.0	.0	2472
	12-14		3.5				3.5						2464
	15-17	.0	4.2				4.2						2472
	18-20		6.8				6.8						2385
	21-23		7.5				7.5						2353
TOTALS		.0	6.3				6.3		.0		.0	.0	19359

4  
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 ASHEVILLE, N. C. 28801

## WEATHER CONDITIONS

22521  
 STATION

HONOLULU (AHE)/JOHN RODGERS WBAS  
 STATION NAME

39-48, 50-62  
 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		8.5				8.5						2290
	03-05		8.3				8.3						2290
	06-08		6.8				6.8		.0			.0	2378
	09-11		4.9				4.9						2385
	12-14		3.1				3.1						2387
	15-17	.0	3.5				3.5						2385
	18-20		6.1				6.1						2299
	21-23		7.3				7.3						2286
TOTALS		.0	6.0				6.0		.0			.0	18700

4  
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 ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521  
 STATION

HONOLULU DAHU/JOHN RODGERS BAS  
 STATION NAME

39-48,50-66  
 YEARS

SEP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SFP	00-02		4.6				4.6		.0			.0	2219
	03-05	.1	4.9				4.9						2219
	06-08		4.1				4.1	.0	.1			.1	2307
	09-11		3.2				3.2						2308
	12-14	.0	2.7				2.7		.1			.1	2306
	15-17	.0	3.3				3.3		.0			.0	2307
	18-20	.0	3.3				3.3		.0			.0	2231
	21-23		4.1				4.1						2217
TOTALS		.0	3.8				3.8	.0	.0			.0	18114

4  
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## WEATHER CONDITIONS

22521  
 STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
 STATION NAME

39-48,50-60  
 YEARS

OCT  
 MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
GCT	00-02	.0	7.4				7.4						2286
	03-05	.0	7.0				7.0						2296
	06-08		6.2				6.2	.7				.7	2364
	09-11		4.9				4.9	.2				.2	2385
	12-14		5.1				5.1	.2			.0	.2	2380
	15-17		6.8				6.8						2383
	18-20	.0	7.1				7.1						2324
	21-23	.0	7.5				7.5						2287
TOTALS		.0	6.5				6.5	.1			.0	.1	18725

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# WEATHER CONDITIONS

22521  
 STATION

HONOLULU DAHM/JOHN RODGERS WBAS  
 STATION NAME

39-66  
 YEARS

NOV  
 MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.2	9.6				9.6		.0			.0	2294
	03-05	.0	9.1				9.1						2297
	06-08	.0	7.7				7.7	.0	.6			.7	2388
	09-11	.1	5.5				5.5		.3			.3	2395
	12-14	.1	6.1				6.1		.2			.2	2392
	15-17	.2	6.9				6.9		.0			.0	2394
	18-20	.2	8.0				8.0						2341
	21-23	.1	8.6				8.6						2306
TOTALS		.1	7.7				7.7	.0	.1			.1	10807

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## WEATHER CONDITIONS

22521  
 STATION

HONOLULU CAMU/JOHN RODGERS H845  
 STATION NAME

30-66  
 YEARS

DEC  
 MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.1	9.0				9.0		.0			.0	2367
	03-05	.0	9.6				9.6		.0			.0	2369
	06-08	.1	9.1				9.1		.2			.2	2477
	09-11		7.2				7.2	.1	.2			.3	2475
	12-14	.0	7.8				7.8		.2			.2	2473
	15-17	.1	9.2				9.2		.1			.1	2467
	18-20	.1	9.8				9.8		.1			.1	2399
	21-23	.1	10.5				10.5		.0			.0	2369
TOTALS		.1	9.0				9.0	.0	.1			.1	19396

## PART A

## ATMOSPHERIC PHENOMENA

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

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

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

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

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

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## WEATHER CONDITIONS

22521 HONOLULU OAHU/JOHN ROGERS W8AS 46-67 ALL  
STATION STATION NAME YEARS MONTH

### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	3.1	62.1				58.6		1.6			1.6	682
FEB		3.9	67.4				63.4		1.3			1.3	621
MAR		4.5	64.5				63.0		.1			.1	682
APR		1.1	72.3				69.6		.2			.2	657
MAY		1.5	68.9				66.6						682
JUN		.2	72.2				67.9	.2	.6			.8	630
JUL		.3	74.6				71.8						649
AUG		.3	72.3				69.7						620
SEP		1.2	65.7				62.0						600
OCT		1.8	68.9				66.6						620
NOV		2.2	71.1				70.0						630
DEC		2.8	69.7				71.9		.2			.2	651
TOTALS		1.9	69.1				66.7	.0	.3			.3	7724

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ASHEVILLE, NORTH CAROLINA

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

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

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

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

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# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

22521 HONOLULU OAHU/JOHN RODGERS W8AS 39-67  
 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	26-30	31-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST	
	SNOWFALL	SNOW DEPTH	NONE	TRACE	1	2	3	4-4	7-12	13-24	25-36	37-48	49-60						61-120
JAN	45.8	24.4	4.4	6.8	4.4	5.6	2.9	2.2	2.5	.8	.2				29.7	868	4.04	13.33	.01
FEB	39.1	26.9	5.6	9.6	4.9	6.2	3.4	2.1	1.5	.5	.1				34.0	791	2.53	13.68	.24
MAR	39.1	33.3	5.2	8.1	3.8	3.8	2.4	2.0	1.4	.9			.1		27.4	868	3.14	20.74	.01
APR	35.1	38.9	6.9	8.0	3.3	4.0	1.4	1.3	1.0						26.0	840	1.31	8.92	.01
MAY	37.6	42.9	5.6	6.3	1.7	2.9	1.6	.3	.7	.3					19.6	868	1.14	7.23	.01
JUN	34.8	46.8	6.4	8.9	1.4	1.0	.7								18.4	810	.24	.87	TRACE
JUL	33.0	47.5	5.6	8.9	1.7	1.4	1.1	.7							19.5	808	.50	1.73	.03
AUG	35.1	43.2	6.2	7.9	3.2	2.5	1.0	.5	.4						21.7	808	.70	3.08	TRACE
SEP	42.4	38.3	6.0	5.6	3.2	2.1	1.3	.8	.3						19.2	780	.69	3.39	.05
OCT	36.8	34.9	6.9	10.0	3.1	3.2	2.3	1.4	.8	.5					28.3	837	1.85	9.04	.04
NOV	35.0	37.0	5.0	9.4	3.5	3.9	2.3	1.5	1.3	.8	.2				28.0	840	2.83	14.72	.03
DEC	32.9	36.6	4.7	8.3	3.5	6.5	3.0	2.3	1.6	.2	.3				30.4	868	3.17	12.09	.27
ANNUAL	37.2	37.5	5.7	8.1	3.1	3.6	2.0	1.3	1.0	.4	.1	.0			25.2	9982	22.16		

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## EXTREME VALUES

PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

22521 HONOLULU BAHU/JLHM RODGERS WEAS 39-67  
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39						.18	.22	.21	2.09	4.53	2.60	.15	
40	.91	.08	1.08	.23	.49	.37	.64	.11	.14	.59	5.51	.15	5.51
41	.19	.18	.06	.11	.08	.32	.03	.92	.17	.97	.07	.08	.97
42	.13	.57	.22	.44	.01					4.05	2.33	4.23	
43	1.13	.45	1.00	.10	2.87	.08	.06	.12	.12	.05	.02	.43	3.13
44	.01	1.76	1.00	.01	.45	.05	.10	TRACE	.02	.06	.10	1.31	1.76
45	.05	.36	.07	2.15	.32	.01	.56	.22	.20	.03	.70	.63	2.15
46	2.41	.96	.18	.12	.12	.08	.29	.01	.07	.33	1.26	1.15	2.41
47	1.01	.16	.40	.13	1.38	.07	.06	.23	.83	.29	.59	.69	1.38
48	2.35	1.02	.44	1.09	.05	.12	.11	1.15	.80	.08	2.74	.20	2.74
49	5.02	3.16	.32	.05	.10	.30					.27	1.41	
50	4.59	.52	.38	2.29	.14	.03	.01	.72	.17	.25	.54	3.76	4.59
51	.50	1.17	4.11	.26	.13	.34	.08	.30	.36	2.80	.09	2.50	4.11
52	4.15	.15	.16	.14	.05	.03	.02	.04	.20	1.37	.30	.19	4.15
53	.57	1.43	.47	.12	.07	.01	.12	.02	.64	.39	.13	.49	1.43
54	.63	1.11	1.04	1.55	.13	.14	.96	.09	.38	.22	5.39	.97	5.39
55	2.27	5.52	3.53	.55	.41	.02	.14	.20	.07	.26	1.03	5.37	5.52
56	2.04	1.33	.29	.38	.35	.03	.04	.28	.13	.78	3.17	2.00	3.17
57	3.85	.96	.01	.49	.56	.07	.33	.12	.06	.07	1.78	1.43	3.85
58	.13	4.62	15.32	.18	.11	.07	.39	1.47	.28	1.28	.03	2.21	15.32
59	1.74	1.81	.09	.36	.62	TRACE	.20	2.10	.86	.42	1.00	.15	2.10
60	.13	.26	.52	.01	1.48	.09	.64	.18	.46	.69	.09	.83	1.48
61	2.01	.27	.19	.28	.09	.34	.12	.14	.40	.79	.71	.76	2.01
62	.97	1.31	1.00	.96	.13	.08	.08	.10	.22	.24	.02	1.99	1.99
63	6.40	.73	2.63	2.30	3.23	.14	.74	.02	1.35	.38	.16	.69	6.40
64	.38	.21	1.91	.17	.11	.03	.65	.21	.37	.08	.53	1.96	1.96
65	2.13	.45	.68	.54	3.44	.10	.46	.54	.32	1.38	4.32	6.40	6.40
66	.69	1.02	.30	.19	.35	.02	.39	.46	.06	1.13	3.65	.82	3.65
67	.31	1.00	2.53	.61	1.07								
MEAN	1.74	1.16	1.43	.56	.65	.12	.29	.38	.41	.87	1.40	1.54	3.74
S. D.	1.734	1.295	2.926	.689	.968	.115	.267	.908	.466	1.159	1.669	1.625	2.914
TOTAL OBS.	868	791	866	840	868	810	806	806	780	837	840	868	9962

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

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOWFALL  
 (FROM DAILY OBSERVATIONS)

22521 HONOLULU GAHU/JOHN RODGERS WNAS 46-67  
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	01-0.4	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														682	.0	.0	.0	
FEB	100.0														621	.0	.0	.0	
MAR	100.0														682	.0	.0	.0	
APR	100.0														660	.0	.0	.0	
MAY	100.0														682	.0	.0	.0	
JUN	100.0														630	.0	.0	.0	
JUL	100.0														620	.0	.0	.0	
AUG	100.0														620	.0	.0	.0	
SEP	100.0														600	.0	.0	.0	
OCT	100.0														620	.0	.0	.0	
NOV	100.0														630	.0	.0	.0	
DEC	100.0														651	.0	.0	.0	
ANNUAL	100.0														7698	.0	X	X	

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### EXTREME VALUES

SNOWFALL  
 (FROM DAILY OBSERVATIONS)

22521 STATION    HONOLULU OAHU/JOHN RODGERS WBAS STATION NAME    46-67 YEARS

#### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	682	621	682	660	682	630	620	620	600	520	630	651	7698

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**DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF  
 SNOWDEPTH  
 (FROM DAILY OBSERVATIONS)

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-67  
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
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															868			
FEB	100.0															791			
MAR	100.0															868			
APR	100.0															840			
MAY	100.0															868			
JUN	100.0															810			
JUL	100.0															837			
AUG	100.0															837			
SEP	100.0															810			
OCT	100.0															837			
NOV	100.0															840			
DEC	100.0															868			
ANNUAL	100.0															10074			

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# EXTREME VALUES

SNOWDEPTH  
 (FROM DAILY OBSERVATIONS)

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-67  
 STATION STATION NAME YEARS

## DAILY SNOWDEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39						0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	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.	868	791	868	840	868	810	837	837	810	837	840	868	10074

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

## PART C

## SURFACE WINDS

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

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

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

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

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

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

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

STATION NO: 22521	STATION NAME: HONOLULU OAHU/JOHN RODGERS WBAS	LATITUDE: N 21 20	LONGITUDE: W 157 55	SLANG/STATION ELEV FT STA 15	CALL SIGN: PHNL	WMO NO: 91182
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**STATION HISTORY AND WIND EQUIPMENT INFORMATION**

DATE OF CHANGE	TYPE OF STATION CHANGE	WIND EQUIPMENT LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HEIGHT ABOVE GROUND
Jun 1939 to Oct 1944	Hickam Field AAF Weather Station	Not available	N/A	N/A	N/A
Jan 1945 to Nov 1945	No change	Located NE corner of first floor of Operations Bldg.	Anemometer	N/A	60 Ft
Dec 1945 to Jun 1946	No change	Located NE corner of 2nd floor of ATC Terminal Bldg.	No change	N/A	34 Ft
Jul 1946 to Jul 1949	No change	Not available	N/A	N/A	N/A
11/1/49	WB Weather Station	Located on control tower	Selsyn	Friez Selsyn	93 Ft
8/8/57	No change	No change	F420B & F102A	N/A	No chge
10/11/62	No change	Located on the field	F420D & F005, F010, F102	N/A	21 Ft
7/28/66	No change	No change	No change	F312	No chge
5/31/67	No change	No change	No change	No change	No chge

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

### EXTREME VALUES

SURFACE WINDS  
 (FROM DAILY OBSERVATIONS)

22521 STATION HONOLULU OAHU/JOHN RODGERS WBAS STATION NAME 46,52-57,66-67 YEARS

#### DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	E 30												
52											ENE 42	NE 35	
53	W 32	WSW 33	ENE 33	E 29	E 32	ENE 33	E 36	ENE 33	ENE 29	ENE 33	ENE 38	ENE 35	ENE 38
54	NE 42	SW 39	NE 31	E 32	ENE 33	ENE 30	ENE 32	ENE 30	ENE 32	SE 37	NE 40	NE 36	NE 42
55	NE 53	SE 39	ENE 37	NE 39	NE 40	NE 35	NE 38	NE 37	NE 32	ENE 33	SE 37	SW 42	NE 53
56	SSW 47	NE 40	ENE 41	NE 33	ENE 35	NE 34	ENE 31	ENE 33	ENE 30	ENE 34	S 34	NNW 44	SSW 47
57	E 34	W 42	ENE 40	E 34	ENE 30	34							
66								NE 32	NE 31	SE 35	NE 35	37	
67	NE 37	NE 37	E 32	NE 36	27								
MEAN	34.3	38.3	35.7	33.8	32.8	33.2	34.3	33.0	30.8	34.4	37.7	38.2	45.0
S. D.	8.440	3.077	4.274	3.430	4.446	1.924	3.304	2.550	1.304	1.673	3.011	3.869	6.461
TOTAL OBS.	217	169	186	180	186	150	124	155	149	153	180	186	2037

4

# EXTREME VALUES

**SURFACE WINDS**  
(FROM DAILY OBSERVATIONS)

22521 STATION     HONOLULU OAHU/JOHN RODGERS WBAS STATION NAME     \_\_\_\_\_ YEARS

## DAILY PEAK GUSTS IN KNOTS (LESS THAN FULL MONTH)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46		0	0	0	0	0	0	0	0	0	0	0	0 DAYS
52	0	0	0	0	0	0	0	0	0	0	0	0	0 DAYS
57							NE 32		0	0	0	0	0 DAYS
66	0	0	0	0	0	0	0						0 DAYS
MEAN													
S. D.													
TOTAL OBS.													

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521 HONOLULU OAHU/JOHN ROGERS WBAS 39-67 ALL  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.8	1.1	.3	.0	.0						4.8	5.7
NNE	.8	1.2	.9	.5	.1	.0						3.6	7.0
NE	1.2	2.9	6.4	7.8	2.7	.5	.0	.0	.0			21.5	11.2
ENE	.6	3.0	9.9	12.6	4.2	.6	.0	.0				30.9	11.8
E	.7	1.9	5.3	4.6	1.6	.2	.0					14.3	10.7
ESE	.2	.4	.6	.3	.1	.0	.0	.0	.0			1.5	8.9
SE	.2	.4	.8	.7	.1	.0	.0	.0				2.2	9.8
SSE	.1	.3	.8	.6	.2	.0	.0	.0	.0			2.2	10.1
S	.2	.6	1.3	.6	.1	.0	.0	.0	.0			2.9	9.0
SSW	.1	.2	.6	.3	.0	.0	.0					1.3	9.2
SW	.1	.2	.6	.3	.1	.0	.0					1.3	9.3
WSW	.1	.1	.2	.2	.1	.0	.0					.6	10.3
W	.2	.2	.2	.1	.0	.0	.0					.8	7.3
WNW	.2	.3	.1	.0	.0	.0	.0					.7	5.3
NW	1.4	1.6	.7	.1	.0	.0						3.9	5.1
NNW	.8	1.2	.6	.1	.0	.0	.0					2.8	5.5
VARBL													
CALM												4.7	
	8.3	16.4	30.1	29.3	9.4	1.5	.1	.0	.0			100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 224409

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

**SURFACE WINDS**

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

22921 STATION HONOLULU OAHU/JOHN RODGERS WBAS STATION NAME 40-67 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	2.4	2.8	1.8	.5	.1	.0						7.6	5.7
NNE	1.4	1.8	1.0	.5	.1	.0						4.8	6.2
NE	1.8	2.0	3.4	2.9	.7	.2	.0	.0				11.6	8.9
ENE	.8	2.5	5.1	5.1	1.7	.4	.0	.0				15.7	10.9
E	.7	1.2	2.8	2.5	1.0	.3	.0					8.6	10.8
ESE	.3	.5	.8	.4	.1	.0	.0					2.7	8.7
SE	.4	.8	1.6	1.2	.2	.1		.0				4.4	9.3
SSE	.3	.8	1.6	1.1	.4	.3	.0	.0	.0			4.5	10.7
S	.5	1.3	2.6	1.6	.5	.2	.1					6.8	9.9
SSW	.2	.5	1.3	1.0	.2	.1	.0					3.3	10.2
SW	.4	.6	1.6	1.1	.4	.1	.0					4.1	10.1
WSW	.1	.2	.5	.8	.3	.0	.0					2.0	11.6
W	.4	.4	.6	.4	.2	.0						2.1	8.7
WNW	.4	.6	.3	.1	.0	.0						1.4	5.8
NW	3.0	3.1	1.4	.3	.1	.0						7.8	5.2
NNW	1.5	2.5	1.1	.4	.1	.0						5.5	5.7
VARBL													
CALM												7.6	
	14.5	22.2	27.7	19.8	6.1	1.8	.2	.0	.0			100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 18923

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521 STATION      HONOLULU DAHU/JOHN RODGERS WB45 STATION NAME      40-67 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	1.8	2.4	1.9	.6	.1	.0						6.9	6.2
NNE	1.0	1.6	1.1	.6	.1	.0						4.4	6.9
NE	1.9	2.6	4.3	5.5	7.1	.6	.1	.0				16.7	11.0
ENE	.6	2.3	6.3	8.1	2.5	.5	.0					20.3	11.6
E	.5	1.3	3.3	2.7	.9	.2						8.8	10.4
ESE	.2	.4	.6	.3	.1	.0						1.6	8.5
SE	.3	.6	1.3	1.1	.2	.0	.0					3.5	9.7
SSE	.2	.5	1.1	.7	.2	.0						2.7	9.3
S	.3	.9	2.3	1.0	.1	.0						4.6	8.9
SSW	.1	.5	1.4	.7	.1	.0						2.7	9.3
SW	.1	.5	1.4	.8	.1	.0						2.9	9.3
WSW	.2	.1	.5	.7	.2	.0						1.7	11.1
W	.4	.5	.5	.3	.2	.1	.0					2.1	9.0
WNW	.4	.6	.3	.1	.0	.0	.0					1.5	6.4
NW	1.9	2.8	1.3	.5	.2	.0						6.8	6.0
NNW	1.2	2.2	1.4	.4	.2	.0						5.4	6.3
VARBL													
CALM												7.2	
	10.6	20.0	29.3	24.2	7.0	1.6	.1	.0				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 17291

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

MAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS .1.T.7

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.4	2.1	.7	.1	.0						7.3	6.2
NNE	1.0	1.5	1.1	.8	.2	.0						4.5	7.3
NE	1.2	2.2	5.1	6.2	2.3	.6	.1					17.7	11.5
ENE	.5	2.9	7.2	10.4	4.6	1.0	.0					26.3	12.5
E	.9	2.0	4.4	4.7	1.9	.4	.0					14.3	11.0
ESE	.1	.4	.7	.4	.1	.0	.0	.0				1.7	9.7
SE	.3	.4	1.0	1.0	.2	.0	.0					3.0	10.1
SSE	.2	.5	1.0	.6	.2	.1	.0					2.6	9.5
S	.3	.9	1.8	.8	.1	.1	.0					3.9	8.9
SSW	.1	.3	.9	.3	.1	.0	.0					1.7	9.2
SW	.1	.3	.8	.4	.2	.0	.0					1.8	10.3
WSW	.1	.2	.3	.3	.1	.0	.0					.9	10.4
W	.2	.3	.4	.2	.0	.0						1.0	7.8
WNW	.2	.5	.2	.1	.0							.9	5.0
NW	1.3	2.1	1.1	.3	.1	.0						5.0	5.8
NNW	.9	1.7	1.0	.2	.0							3.9	5.6
VARBL													
CALM												3.5	
	9.5	18.0	29.0	27.2	10.3	2.3	.2	.0				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 18972

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBA5  
STATION NAME

40-67  
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	1.4	1.7	1.1	.4	.0							4.7	6.0
NNE	.8	1.1	1.0	.7	.1							3.7	7.5
NE	1.1	2.5	6.5	7.8	3.1	.6	.0	.0				21.7	11.7
ENE	.7	2.0	9.3	12.6	4.7	.6	.0					30.7	12.0
E	.9	2.3	5.1	4.9	1.6	.2						15.1	10.5
ESE	.1	.3	.9	.3	.1	.0						1.3	3.6
SE	.2	.4	1.0	.8	.1	.0						2.5	9.5
SSE	.1	.3	1.1	.9	.3	.1						2.9	11.0
S	.2	.6	1.4	.6	.2	.0						3.1	9.7
SSW	.1	.2	.5	.3	.1	.0						1.2	9.5
SW	.1	.2	.2	.1	.0							.6	8.4
WSW	.0	.1	.1	.1	.0							.3	8.2
W	.2	.1	.1	.0	.0							.5	5.1
WNW	.2	.3	.1	.0								.6	5.4
NW	1.1	1.4	.6	.1	.0	.0						3.2	5.2
NNW	.8	1.1	.8	.2	.1		.0					3.0	8.3
VARBL													
CALM												4.9	
	7.9	15.5	29.5	29.9	10.5	1.7	.0	.0				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

18372

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.3	.8	.5	.0							3.6	5.6
NNE	.5	.8	.9	.6	.2	.0						3.0	3.1
NE	.9	2.7	7.0	9.6	3.5	.4	.0					24.2	11.7
ENE	.5	3.2	11.1	13.9	4.7	.5	.0					33.8	11.9
E	1.1	2.2	6.2	4.9	1.4	.2						15.9	10.2
ESE	.1	.4	.6	.3	.1	.0						1.5	0.7
SE	.1	.2	.5	.5	.1							1.4	2.7
SSE	.1	.2	.5	.5	.1							1.4	10.2
S	.2	.3	1.0	.5	.0							2.0	3.7
SSW	.1	.2	.6	.2	.0	.0						1.1	2.0
SW	.1	.2	.4	.1	.0							.9	3.2
WSW	.0	.1	.2	.1	.0							.3	2.7
W	.1	.1	.1	.0								.3	5.2
WNW	.3	.2	.1	.0								.6	4.4
NW	.8	1.2	.4	.0								2.4	4.6
NNW	.6	.8	.4	.1								1.9	3.1
VARBL													
CALM												5.7	
	6.6	14.1	30.7	31.7	10.1	1.1	.0					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 18964

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

**SURFACE WINDS**

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

22521 HONOLULU DAHU/JOHN RODGER'S AFBAS 39-66 JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.8	.7	.3	.1	.0							1.9	4.9
NNE	.4	.7	.5	.1	.0	.0						1.9	4.9
NE	.7	2.6	6.9	9.5	3.7	.5	.0					24.0	11.9
ENE	.5	3.4	12.6	17.1	5.2	.5	.0					39.3	11.9
E	.8	2.6	7.8	6.6	2.1	.3	.0					26.3	10.7
ESE	.2	.4	.7	.4	.1	.0						1.7	8.7
SE	.1	.2	.4	.3	.0	.0						1.0	4.7
SSE	.0	.1	.5	.5	.1	.0						1.3	11.3
S	.1	.2	.6	.3	.1	.0						1.3	9.2
SSW	.0	.1	.2	.1	.0							.5	4.0
SW	.1	.1	.1	.1	.0							.3	8.3
WSW	.0	.0	.0	.0								.1	7.2
W	.1	.0	.0	.0								.2	4.1
WNW	.1	.1	.0	.0								.2	4.0
NW	.6	.6	.1	.0								1.3	4.0
NNW	.4	.3	.1	.0								.8	4.1
VARBL													
CALM												3.7	
	5.0	12.1	30.9	35.4	11.4	1.4	.0					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 18771

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22921 STATION HONOLULU CAMU/JOHN RODGERS WBAS STATION NAME 39-66 YEARS MONTH JUL

ALL WEATHER

CLASS

ALL

HOURS (U.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.6	.4	.1	.0	.0						1.8	5.7
NNE	.3	.5	.7	.3	.1	.0						1.9	7.9
NE	.9	2.9	8.2	10.8	4.1	.7	.0					27.6	11.9
ENE	.3	3.3	13.4	17.8	5.7	.9	.0					41.4	12.1
E	.6	2.1	7.1	6.3	2.5	.4	.0					19.0	11.1
ESE	.1	.3	.5	.3	.1							1.3	8.9
SE	.1	.1	.2	.2	.1	.0						.7	10.4
SSE	.0	.1	.2	.2	.0							.5	9.9
S	.0	.1	.3	.1	.0							.6	8.9
SSW	.0	.1	.1	.0								.2	7.8
SW	.0	.0	.1	.0								.1	7.4
WSW	.0	.0	.0									.0	6.9
W	.1	.0	.0									.1	4.0
WNW	.1	.1	.0	.0								.2	4.3
NW	.4	.5	.2	.0								1.1	4.5
NNW	.2	.3	.1		.0							.7	4.7
VARBL													
CALM												2.7	
	3.8	11.0	31.7	36.2	12.6	2.0	.0					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 19363

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521 HONOLULU OAHU/JOHN RODGERS WEAS 39-48,50-66 AUG  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER ALL  
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	.6	.7	.3	.0	.3							1.6	5.0
NNE	.4	.4	.5	.3	.1							1.9	7.4
NE	.7	2.9	8.5	10.8	4.3	.6	.0					27.7	11.9
ENE	.4	3.1	13.3	18.6	6.5	.9	.0					42.8	12.3
E	.5	2.1	7.0	6.3	2.1	.2	.0					18.2	11.1
ESE	.1	.3	.5	.3	.1	.0	.0		.0			1.3	10.0
SE	.1	.1	.3	.3	.1	.0	.0	.0				.9	11.1
SSE	.1	.1	.3	.3	.1	.0	.0					.7	10.2
S	.0	.1	.3	.2	.1							.7	9.6
SSW		.0	.1		.0	.0						.1	8.5
SW	.0	.0	.1	.0	.0							.2	8.2
WSW	.0	.0	.0	.1	.0	.0	.0					.2	12.8
W	.0	.0	.0	.0	.0							.1	5.8
WNW	.1	.0	.0	.0								.1	3.9
NW	.5	.5	.1									1.1	6.0
NNW	.3	.3	.1									.6	4.2
VARBL													
CALM												1.7	
	3.8	10.8	31.4	37.0	13.4	1.7	.1	.0	.0			100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 18699

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

**SURFACE WINDS**

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

22521 HONOLULU OAHU/JOHN RODGERS #BAS 39-48, 50-60 SEP  
STATION STATION NAME YEARS MONTH

ALL WEATHER ALL  
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	1.3	1.6	.6	.1	.0							3.6	5.0
NNE	.8	1.3	.8	.4	.0							3.4	6.5
NE	1.1	3.5	7.9	9.3	2.7	.3						24.8	10.9
ENE	.7	3.9	12.3	13.9	4.4	.3						35.5	11.4
E	.5	1.9	6.3	4.7	1.4	.2						15.0	10.5
ESE	.2	.3	.2	.1	.1	.0						1.4	6.6
SE	.1	.3	.5	.5	.1	.0	.0					1.5	10.1
SSE	.1	.2	.7	.5	.1	.0						1.6	9.8
S	.1	.4	1.4	.4	.0							2.5	8.5
SSW	.0	.1	.4	.1	.0							.6	4.7
SW	.0	.1	.2	.0								.4	7.6
WSW	.0	.0	.0	.0								.1	7.9
W	.1	.1	.1	.0								.3	4.9
WNW	.2	.2	.0									.4	3.0
NW	1.2	1.3	.3	.0								2.8	4.3
NNW	.7	1.0	.2	.0								1.8	4.2
VARBL													
CALM												4.2	
	7.2	16.2	32.2	30.5	8.9	.8	.0					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 18118

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

### SURFACE WINDS

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WHAS  
STATION NAME

39-48,50-66  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.3	1.0	.3	.0	.0						5.3	5.2
NNE	1.0	1.5	.9	.5	.1	.0						3.9	6.4
NE	1.4	3.6	7.3	8.3	2.2	.3						23.0	10.7
ENE	.8	3.9	10.8	11.7	3.1	.4	.0					30.3	11.1
E	.5	1.6	5.3	4.6	1.4	.2						13.5	10.8
ESE	.2	.3	.6	.3	.1	.0	.0					1.5	8.8
SE	.2	.3	.9	1.0	.1	.0						2.6	10.0
SSE	.1	.3	.9	.6	.1	.0						2.0	9.5
S	.2	.7	1.3	.6	.0							2.8	8.2
SSW	.1	.2	.6	.2	.0							1.1	8.5
SW	.1	.2	.5	.2	.0							1.0	8.2
WSW	.0	.1	.2	.1	.0							.5	8.2
W	.2	.2	.2	.0								.6	5.4
WNW	.3	.3	.1	.0								.7	4.6
NW	1.4	1.7	.7	.1	.0							3.9	4.7
NNW	1.0	1.4	.5	.1	.0							2.9	4.8
VARBL													
CALM												4.4	
	9.0	18.4	31.6	28.5	7.1	1.0	.0					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 18725

4

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

**SURFACE WINDS**

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

22521 STATION      HONOLULU OAHU/JOHN RODGERS WNAS STATION NAME      39-66 YEARS      NOV MONTH

ALL WEATHER CLASS

ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.8	1.2	.3	.1	.0						6.6	5.3
NNE	.9	1.4	1.1	.6	.1	.0						4.2	6.8
NE	1.7	3.1	6.0	6.4	1.9	.3	.0		.0			19.4	10.4
ENE	.8	3.2	9.6	12.6	3.8	.7	.1					30.7	11.7
E	.5	1.6	3.8	3.7	1.1	.1						10.9	10.6
ESE	.2	.3	.6	.3	.0	.0						1.4	8.5
SE	.3	.4	.7	.6	.1	.0	.0					2.2	9.8
SSE	.2	.5	1.1	.7	.2	.1	.0					2.8	10.0
S	.4	.7	1.5	.9	.1	.0						3.2	8.1
SSW	.2	.3	.6	.2	.0							1.4	9.0
SW	.1	.3	.5	.2	.0							1.1	7.9
WSW	.1	.1	.1	.1								.3	7.7
W	.3	.2	.1	.0	.0							.6	4.7
WNW	.3	.3	.1	.0								.6	4.6
NW	2.2	2.3	.9	.2	.0	.0						5.6	4.8
NNW	1.0	1.5	.5	.1	.0							3.1	4.0
VARBL													
CALM												5.9	
	11.1	18.9	28.5	26.7	7.4	1.3	.1		.0			100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 18910

4

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 29001

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
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	1.8	2.8	1.6	.5	.2	.0						5.8	6.0
NNE	1.0	1.9	1.3	.7	.1	.0						5.1	6.9
NE	1.5	3.0	5.1	6.1	2.1	.5	.0	.0				19.0	10.7
ENE	.7	2.3	7.6	9.0	3.2	.8	.0					23.9	11.7
E	.6	1.5	3.9	3.7	1.5	.4	.0					11.6	11.0
ESE	.2	.4	.5	.3	.1	.0						1.6	8.9
SE	.3	.6	1.0	.7	.2	.1						2.8	9.5
SSE	.2	.7	1.2	1.0	.2	.0						3.6	9.7
S	.3	.7	1.5	.9	.1	.0						3.6	8.9
SSW	.1	.2	.9	.4	.0	.0						1.6	8.8
SW	.2	.2	.7	.5	.1	.0						1.7	9.5
WSW	.1	.2	.3	.3	.1	.0						.9	9.9
W	.4	.3	.4	.3	.0	.0						1.4	7.4
WNW	.3	.5	.2	.1	.0							1.1	5.4
NW	2.0	2.4	1.1	.2	.1							5.8	5.1
NNW	1.1	2.0	1.0	.3	.1	.0	.0					4.4	5.8
VARBL													
CALM												4.6	
	10.7	20.1	29.5	24.9	8.1	2.0	.1	.0				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

19395

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WB&S  
STATION NAME

40-67  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	4.4	2.1	.3	.1							10.5	5.0
NNE	2.0	2.6	.6	.1		.0						5.4	4.6
NE	2.1	3.0	3.7	1.6	.4	.1						10.8	7.6
ENE	1.0	2.5	5.7	3.5	1.3	.2						14.2	9.9
E	.9	1.5	2.7	1.9	.6	.2						7.8	5.7
ESE	.1	.5	.6	.2	.1	.0						1.5	0.6
SE		.1	.4	.5	.3	.0						1.4	1.2
SSE		.0	.4	.5	.4	.3	.0					1.8	1.5
S		.0	.7	.9	.4	.2						2.3	1.9
SSW		.2	.3	1.0	.2	.1						1.7	1.2
SW	.3	.1	.8	.3	.2							1.6	1.1
WSW	.1	.2	.2	.5	.2	.1						1.3	1.1
W	.6	.3	.3	.2	.1	.0						1.6	1.5
WNW	.6	1.0	.3	.1								2.0	2.2
NW	5.4	6.3	2.4	.1								14.2	4.6
NNW	3.3	4.2	1.6	.1	.1							9.4	4.9
VARBL													
CALM												12.4	
	20.0	27.2	22.8	11.7	4.4	1.4	.0					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2317

4

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WNAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.9	4.9	2.2	.3								12.1	4.8
NNE	2.4	2.7	.8	.3	.1	.0						6.4	5.1
NE	2.2	3.0	2.7	1.0	.3	.1	.0					10.4	6.7
ENE	1.4	3.5	5.2	3.0	1.4	.1						14.6	9.2
E	.8	1.3	2.7	1.7	.5	.1	.0					7.1	9.6
ESE	.3	.4	.5	.4	.0	.1						1.8	8.7
SE	.2	.2	.3	.3	.3	.3						1.6	12.4
SSE	.1	.1	.4	.7	.2	.3						1.9	14.4
S	.0	.1	.5	1.0	.2	.1	.1					2.1	13.8
SSW		.1	.4	.7	.2	.0	.0					1.5	13.1
SW	.3	.1	.4	.7	.3	.0	.0					1.9	12.1
WSW	.1	.0	.4	.4	.2							1.1	11.4
W	.2	.4	.3	.3	.1							1.3	8.2
WNW	.6	1.0	.2	.0								1.8	4.7
NW	5.2	5.4	1.8	.2								12.5	4.5
NNW	2.8	5.1	1.8	.2								9.8	5.0
VARBL													
CALM												12.1	
	21.3	29.3	20.7	11.2	3.9	1.3	.3					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2314

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

### SURFACE WINDS

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

22521  
STATION

HONOLULU OAHU/JOHN ROGGE S RNAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.7	4.4	1.7	.2	.0							11.0	4.6
NNE	2.4	2.5	.8	.2	.0							6.0	4.7
NE	3.2	3.4	3.1	1.6	.3	.2						11.7	7.1
ENE	1.3	3.3	4.4	3.5	.9	.3						13.7	9.1
E	1.1	1.3	3.1	2.1	.7	.2						8.6	4.6
ESE	.3	.5	.8	.3	.1							2.0	7.8
SE	.3	.4	.3	.4	.3	.1						1.9	10.5
SSE	.2	.1	.2	.0	.1	.3	.0	.0	.1			1.7	15.8
S	.1	.4	.5	1.5	.5	.1	.0					3.1	13.0
SSW	.1	.0	.2	.6	.1	.0						1.1	12.6
SW	.1	.2	.6	.8	.4	.1						2.2	12.6
WSW	.1	.1	.1	.3	.2	.0						.8	11.1
W	.5	.5	.6	.2	.1							2.0	6.9
WNW	.7	1.0	.6									2.2	5.0
NW	6.6	5.1	1.5	.2								13.4	4.2
NNW	2.4	3.8	1.3	.2	.0							7.8	5.0
VARBL													
CALM												10.7	
	24.2	27.1	19.7	12.7	3.9	1.5	.1	.0	.1			100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

2409

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN ROGERS W6AS  
STATION NAME

40-67  
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	.9	1.0	1.7	.5	.1							4.2	7.5
NNE	.5	.5	.9	.6	.2	.0						2.7	8.9
NE	.9	1.5	3.4	2.9	.9	.2						9.8	10.2
ENE	.3	1.2	4.5	6.0	2.2	.6						14.8	12.3
E	.5	1.2	3.6	4.6	1.9	.3						12.2	11.8
ESE	.6	.7	1.5	1.0	.1	.1						3.9	8.6
SE	1.2	1.8	2.9	2.1	.2							8.3	8.3
SSE	1.1	1.8	2.0	1.1	.6	.3	.1	.1				7.1	9.7
S	1.7	2.9	3.4	2.1	.5	.4	.2					11.0	9.0
SSW	.5	1.1	1.1	1.0	.2	.1	.1					4.1	9.1
SW	.4	.5	1.7	1.0	.2	.1						3.9	9.8
WSW	.2	.3	.4	.7	.3							2.0	10.9
W	.3	.5	.8	.7	.2							2.4	9.2
WNW	.4	.6	.2	.2	.0							1.5	5.9
NW	1.1	1.3	1.3	.5	.1							4.3	6.8
NNW	.3	.9	.6	.4	.1							2.3	7.3
VARBL													
CALM												5.6	
	11.0	17.6	29.9	25.5	7.6	2.1	.4	.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 2409

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# SURFACE WINDS

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

STATION 22521 STATION NAME HONOLULU OAHU/JOHN RODGERS WBAS YEARS 40-67 MONTH JAN  
 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	.1	.2	.7	1.2	.1	.1						2.3	11.6
NNE	.0	.2	1.0	1.2	.2							2.6	11.0
NE	.3	.5	2.3	4.6	1.3	.3						9.3	12.4
ENE	.0	.5	3.2	7.3	3.1	.8	.0					15.0	13.9
E	.1	.5	2.2	3.9	1.2	.7	.0					6.6	13.3
ESE		.3	.8	.7	.2	.1						2.2	11.6
SE	.2	1.1	3.4	4.0	.2	.1						9.1	10.4
SSE	.2	1.4	5.1	3.2	.5	.3	.1					10.8	10.4
S	.5	2.3	7.8	3.4	1.0	.1	.1					15.2	9.9
SSW	.2	.7	3.5	2.1	.2	.2	.0					7.0	10.3
SW		.7	3.3	2.3	.9	.1						7.3	11.3
WSW	.1	.1	1.0	1.2	.5	.0						2.9	12.4
W	.2	.2	.8	.6	.5	.1						2.5	11.7
WNW		.1	.3	.1	.1							.5	10.6
NW	.1	.1	.6	.7	.5	.1						2.2	12.5
NNW	.1	.1	.4	.6	.2							1.4	11.6
VARBL													
CALM												1.0	
	2.2	9.1	36.4	37.1	10.8	3.2	.3					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 2406

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DAHU/JOHN RODGERS WEAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.5	1.5	.8	.2							3.4	9.5
NNE	.2	.3	1.2	1.1	.3							3.1	10.3
NE	.5	.8	4.1	5.7	1.4	.2						12.5	11.9
ENE	.2	1.0	5.3	8.7	2.1	.6	.0					17.9	12.4
E	.3	.8	2.5	2.5	1.5	.3	.0					7.7	12.2
ESE	.2	.5	.9	.4	.1	.0	.0					2.2	9.0
SE	.2	1.6	3.1	1.2	.7	.1						5.5	6.7
SSE	.3	1.5	3.4	1.1	.3	.1						6.7	3.9
S	.8	3.0	5.6	1.9	.5	.2	.2					12.1	8.9
SSW	.1	1.1	3.1	1.5	.2	.0						6.0	9.3
SW	.9	1.9	4.1	2.2	.3	.2	.1					9.6	9.1
WSW	.1	.3	1.4	1.7	.3	.0	.0					3.9	11.8
W	.2	.3	.7	.6	.3	.1						2.4	10.8
WNW	.0	.2	.4	.1	.0							.7	8.6
NW	.2	.3	.7	.4	.3	.0						2.0	10.2
NNW	.1	.2	.8	.6	.2	.0						2.0	10.6
VARBL													
CALM												1.2	
	4.9	14.2	38.7	30.3	6.3	2.0	.5					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 2406

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DANU/JOHN RUDGERS WRAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1900-2000  
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	3.5	2.1	.3								8.6	5.4
NNE	1.3	2.3	1.4	.5	.0							5.6	6.2
NE	2.4	3.5	4.4	3.5	.6	.2		.1				14.7	6.5
ENE	1.2	4.1	7.2	4.9	1.5	.4		.6				19.4	9.9
E	.8	2.1	3.3	1.6	.8	.7						8.8	9.2
ESE	.3	.7	.9	.3	.1							7.3	7.6
SE	.6	1.2	1.4	.3	.3	.1		.0				3.9	8.1
SSE	.4	.8	.9	.8	.3	.1						3.3	9.1
S	.9	1.4	1.4	.9	.2	.7	.0					5.1	8.7
SSW	.3	.4	1.2	.6	.2							7.7	9.3
SW	.7	.9	1.4	.8	.1							3.8	8.0
WSW	.2	.5	.5	.8	.3	.0						2.3	10.8
W	.7	.5	1.0	.4	.0							2.7	6.9
WNW	.2	.5	.3	.1	.0	.0						1.2	7.8
NW	1.2	1.9	.8	.0								4.0	4.5
NNW	.8	1.8	1.2	.6								4.3	6.5
VARBL													
CALM												7.3	
	14.4	26.0	29.8	16.5	4.5	1.3	.0	.2				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

2346

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WEAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.2	2.0	.3	.0							9.3	5.1
NNE	2.0	3.2	1.1	.2								6.6	5.1
NE	2.9	4.1	3.4	2.4	.6	.2						13.6	7.6
ENE	.8	4.1	3.6	3.5	1.5	.4						15.9	9.7
E	1.0	1.5	2.5	1.7	1.0	.3						8.0	9.9
ESE		.6	.6	.3	.1							1.9	7.5
SE	.3	.3	1.0	.8	.2	.0						2.6	10.2
SSE	.1	.3	.5	.5	.5	.2			.0			2.1	12.9
S	.2	.4	1.0	1.0	.3	.2						3.1	11.3
SSW	.2	.2	.5	.5	.2	.0						1.7	10.5
SW	.3	.3	.8	.4	.4							2.2	10.3
WSW	.1	.2	.3	.6	.3	.0						1.5	12.5
W	.3	.6	.4	.2	.0							1.6	6.7
WNW	.0	.6	.1		.0							1.6	4.4
NW	4.1	4.1	1.9	.2								10.2	4.7
NNW	2.3	3.8	1.2	.2	.1							7.5	5.0
VARBL													
CALM												10.7	
	18.7	28.3	22.7	12.7	5.3	1.5			.0			100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

2314

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

STATION 22921 STATION NAME HONOLULU OAHU/JOHN RODGERS WBAS YEARS 40-67 MONTH FEB  
 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	3.4	3.6	2.4	.2								9.6	5.0
NNE	2.1	2.4	.9	.3	.1							5.8	5.3
NE	2.3	4.0	4.5	3.3	1.5	.2	.0					15.8	8.9
ENE	1.1	3.1	7.0	5.0	1.2	.2						17.6	9.8
E	.7	1.7	3.7	1.9	.7							5.7	9.2
ESE	.2	.5	.6	.2	.0							1.5	7.5
SE	.1	.1	.3	.4			.1					1.1	11.0
SSE	.0	.0	.2	.2	.0							.6	10.8
S	.0	.1	.5	.3	.1	.0						1.1	10.8
SSW		.2	.3	.3								.5	9.4
SW	.3	.4	.4	.2								1.4	6.9
WSW	.1		.4	.4								.9	9.8
W	.6	.6	.4	.3	.1							2.0	7.1
WNW	.7	1.2	.5	.1								2.5	5.2
NW	2.7	5.1	1.9	.2								9.8	5.0
NNW	2.3	4.1	2.2	.4								8.9	5.4
VARBL													
CALM												12.0	
	16.6	27.2	26.3	13.6	3.8	.4	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2117

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHFVILLE, N. C. 28001

**SURFACE WINDS**

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

22521  
STATION

HONOLULU BAHF/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	4.4	2.3	.7								10.7	4.9
NNE	1.7	2.7	1.1	.1								5.1	3.1
NE	2.5	4.0	4.5	3.6	1.5	.2						16.5	9.0
ENE	.7	3.7	5.9	5.4	.9	.1						16.7	9.6
E	.7	1.0	2.6	1.9	.4	.0						7.2	9.0
ESE	.3	.5	.5	.2								1.5	6.7
SE	.1	.1	.1	.2	.1	.1	.1					.9	13.6
SSE	.1	.1	.4	.4	.1							1.1	9.7
S	.1	.1	.3	.4	.2	.0						1.2	11.7
SSW	.0	.1	.5	.4	.0							1.1	10.3
SW		.3	.6	.2								1.1	8.8
WSW	.2	.0	.3	.3	.0	.0						1.0	9.7
W	.3	.6	.5	.2	.1							1.8	7.5
WNW	.7	.9	.4	.1		.0						2.2	5.3
NW	3.4	5.6	2.3	.0								11.4	4.9
NNW	2.1	4.5	1.8	.1								8.4	5.1
VARBL													
CALM												12.1	
	16.6	28.8	24.0	14.2	3.6	.7	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

2112

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHVILLE, N. C. 28801

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

SURFACE WINDS

22521  
STATION

HONGLI'LU GARD/JOHNS RODGERS WBAS  
STATION NAME

40-67  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.4	4.4	.0	.1								10.0	4.9
NNE	1.7	2.2	1.3	.3	.1	.0						5.6	5.7
NE	1.8	3.9	3.9	4.2	.8	.2						14.8	9.1
ENE	1.1	2.9	6.7	5.0	1.5	.4	.0					17.6	10.2
E	1.0	1.7	3.5	2.0	.5	.1						8.7	9.0
ESE	.2	.4	.6	.3								1.5	7.7
SE	.0	.2	.5	.1	.1							.9	3.9
SSE		.2	.3	.4	.0							.9	10.7
S	.0	.1	.8	.5	.0							1.5	7.9
SSW		.1	.4	.6	.0							1.1	11.2
SW	.1	.4	.5	.2	.0							1.3	8.1
WSW	.2	.0	.1	.4		.1						.8	10.8
W	.6	.5	.4	.2	.1	.0						1.8	7.5
WNW	.8	.8	.3	.2	.0							2.2	5.3
NW	4.4	5.2	2.2	.2	.0							12.0	4.8
NNW	2.4	3.9	1.6	.1	.0							8.0	5.0
VARBL													
CALM												11.2	
	17.8	26.9	25.0	14.9	3.4	.9	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2200

4  
 DATA PROCESSING DIVISION  
 FTAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WPAS  
STATION NAME

40-67  
YEARS

FEI  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.7	1.6	.9	.1	.0						3.9	9.9
NNE	.2	.6	.8	.6	.0							2.2	8.7
NE	.6	1.1	3.9	4.9	2.5	.5	.0					13.6	12.4
ENE	.5	1.1	5.3	9.3	3.3	1.0						20.4	12.9
E	.4	1.4	3.8	4.7	1.9	.5						12.7	11.6
ESE	.4	.6	1.1	.8	.2	.0						3.1	9.2
SE	.9	1.6	2.5	1.5	.5							7.0	8.6
SSE	.7	1.4	2.0	1.0	.4	.0						5.4	8.5
S	1.2	2.0	3.6	1.7	.1	.0						8.8	8.0
SSW	.2	.9	1.7	.6	.1							3.6	8.7
SW	.3	.3	1.3	1.0	.1							2.9	9.5
WSW	.1	.2	.6	.8	.1							1.9	10.3
W	.3	.7	.9	.4		.1	.1					2.1	9.2
WNW	.3	.4	.3	.3	.0	.0						1.3	8.4
NW	.6	.9	.8	.8	.2							3.4	6.0
NNW	.4	.5	1.0	.5	.5	.1						2.9	9.7
VARBL												5.0	
CALM													
	7.8	14.3	30.7	29.7	10.1	2.4	.2					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 2205

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WNAS  
STATION NAME

40-67  
YEARS

FEE  
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	1.0	1.0	.3							2.7	10.8
NNE	.1	.1	1.0	1.2	.2	.2						2.8	12.2
NE	.1	.4	2.7	7.8	3.3	1.3	.1					15.7	14.6
ENE	.0	.6	4.2	11.8	4.7	1.1	.0					22.4	14.2
E	.2	.3	2.0	4.0	1.4	.5						8.4	13.3
ESE	.1	.4	.5	.6	.1	.0						2.0	10.5
SE	.0	.7	3.3	3.8	.5	.1						8.4	11.2
SSE	.1	.6	3.4	2.0	.4	.1						6.7	10.4
S		1.3	6.4	3.0	.1							10.8	9.6
SSW	.0	.7	3.1	2.0	.0	.0						5.9	10.0
SW	.0	.3	2.7	2.0	.3							5.4	10.4
WSW			.3	1.3	.5	.0						2.1	14.8
W		.2	.2	.5	.2	.2	.1					1.4	14.7
WNW	.0	.1	.1	.0	.1	.0	.1					.6	14.8
NW		.1	.7	.7	.5	.1						2.1	13.3
NNW	.0	.2	.5	.7	.4							1.8	11.9
VARBL													
CALM												.8	
	1.0	6.3	32.2	42.7	12.9	3.7	.4					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 2202

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

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

SURFACE WINDS

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WPAS  
STATION NAME

40-67  
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		.5	.9	1.4	.4							3.1	11.5
NNE		.3	1.0	1.1	.2	.1						2.7	11.4
NE	.2	1.1	4.9	9.6	3.0	1.3	.1					20.1	13.4
ENE	.0	.5	5.5	11.9	4.0	.9	.0					22.6	13.5
E	.1	.5	3.0	3.0	1.0	.1						7.7	11.7
ESE	.1	.2	.8	.2	.1							1.4	9.1
SE	.3	.7	2.4	2.0	.2	.0						5.7	10.0
SSE	.2	.7	1.9	1.3	.2							4.2	9.5
S	.3	1.9	4.7	1.4	.0	.0						8.4	11.4
SSW	.2	1.0	3.1	1.1	.1							5.6	8.8
SW	.0	.9	3.1	1.8	.2	.0						6.0	9.8
WSW	.3	.2	.8	1.1	.6	.0						3.1	11.6
W	.1	.4	.6	.7	.5	.2	.0					2.5	13.0
WNW		.2	.4	.2								.7	8.9
NW	.3	.3	1.0	1.0	.5	.1						3.1	11.0
NNW	.1	.3	.6	.9	.3	.0						2.2	11.3
VARBL													
CALM												.8	
	2.2	9.6	34.7	38.5	11.2	2.8	.2					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 2702

4

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

## SURFACE WINDS

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

22521  
STATIONHONOLULU OAHU/JOHN RODGERS BAS  
STATION NAME40-67  
YEARSFEB  
MONTHALL WEATHER  
CLASS1800-2000  
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	1.3	2.4	2.8	.6								7.0	6.5
NNE	.8	1.6	2.1	.5	.1							5.1	7.0
NE	1.9	3.3	5.6	6.0	1.9	.5	.0					19.2	11.4
ENE	.6	3.1	4.4	8.0	2.6	.3						23.8	10.8
E	.6	1.5	4.3	2.1	.6	.0						9.0	9.4
ESE	.1	.4	.7	.2								1.5	7.5
SE	.4	.9	1.0	.2								2.5	6.8
SSE	.2	.5	.7	.4	.0							1.9	7.7
S	.6	1.0	1.1	.5	.1							3.4	7.7
SSW	.3	.3	1.0	.5	.0							2.2	8.3
SW	.3	1.1	1.7	.2	.1							3.4	7.4
WSW	.5	.4	.9	.9	.1							2.8	9.1
W	.3	.9	1.2	.2	.1	.0						2.8	7.6
WNW	.2	.4	.2	.2								1.0	6.6
NW	1.0	1.6	1.3	.6	.2	.0						4.7	7.3
NNW	.7	1.3	1.3	.5	.1	.0						3.9	7.1
VARBL													
CALM												5.9	
	9.6	20.8	34.2	21.3	6.1	.9	.0					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

2136

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

**SURFACE WINDS**

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

STATION 72521 STATION NAME HONOLULU OAHU/JOHN RUDGERS WBAS YEARS 40-67 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	2.5	3.4	2.7	.7								4.8	5.4
NNE	1.3	3.6	.9	.3	.0							6.2	5.4
NE	2.7	4.4	4.4	4.2	1.8	.6		.0				16.7	9.4
ENE	.7	3.6	7.0	8.0	1.8	.2						21.4	10.4
E	.9	1.7	3.1	2.0	.5	.0						8.3	9.1
ESE	.0	.4	.2	.1								.7	6.6
SE	.2	.4	.4	.2								1.7	7.1
SSE	.1		.1	.0	.2							.4	12.3
S	.1	.1	.6	.5	.1							1.4	10.1
SSW	.1	.3	.7	.3								1.5	8.3
SW	.0	.5	.5	.3	.1	.0						1.5	9.5
WSW		.1	.6	.3	.1							1.1	10.8
W	.7	.6	.6	.2								2.1	5.8
WNW	.5	.8	.2	.0								1.6	5.1
NW	2.3	3.4	2.0	.2								8.0	5.2
NNW	1.7	3.4	2.3	.3								7.7	5.6
VARBL													
CALM												10.2	
	13.9	26.8	26.2	17.2	4.7	.9		.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2117

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONULULU OAHU/JOHN RODGERS WEAS  
STATION NAME

40-67  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.4	3.9	7.5	.2								10.1	5.1
NNE	1.8	2.7	.9	.3	.1							5.9	5.4
NE	2.1	3.0	5.3	4.2	1.5	.7						16.3	9.4
ENE	.9	3.8	9.4	7.0	1.9	.4						24.0	10.2
E	1.3	2.6	4.4	4.7	1.1	.2						14.2	9.9
ESE		.3	.6	.3	.0							1.3	4.3
SE	.1	.0	.3	.3	.1							.9	11.1
SSE	.0	.0	.1	.3	.0	.1						.6	12.5
S	.1	.1	.3	.5	.0	.2						1.3	11.7
SSW	.0	.2	.2	.2	.1	.0						.8	11.1
SW	.0	.1	.2	.1	.0	.0	.1					.6	13.2
WSW	.0	.1					.0					.2	10.8
W	.2	.1	.2	.1								.6	6.5
WNW	.3	.6	.2	.0								1.2	4.9
NW	2.6	4.0	1.9									8.4	4.9
NNW	1.8	3.4	2.2	.1								7.5	5.3
VARBL													
CALM												6.2	
	14.8	24.9	28.9	19.1	4.9	1.1	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

2322

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

**SURFACE WINDS**

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

22521 HONOLULU DANU/JOHN RODGERS WRAE 40-67 HAF  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER CLASS 0300-0500  
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	4.9	4.3	1.9	.4	.1							11.6	4.8
NNE	2.1	2.2	.7	.1	.0							5.3	4.7
NE	1.9	3.2	6.5	3.6	.9	.1						16.7	8.9
ENE	1.0	3.4	8.2	7.8	1.8	.2	.0					22.4	10.4
E	1.1	3.2	5.4	3.0	.5	.1						13.6	9.1
ESE	.2	.2	.4	.1								.9	7.0
SE	.2	.0	.3	.0	.7							.8	9.9
SSE	.0	.1	.4	.3		.0						.8	10.5
S	.1		.5	.6	.2	.1	.0					1.6	13.2
SSW		.0		.2	.0	.0						.3	16.0
SW		.1	.3	.2	.1	.0	.0					.7	12.7
WSW		.1	.2	.0								.3	7.4
W	.2	.2	.2	.1								.7	6.3
WNW	.3	1.1	.2	.0								1.7	4.8
NW	2.3	4.4	1.9	.1								8.7	9.0
NNW	2.1	3.6	1.2	.1	.0							7.1	9.0
VARBL													
CALM												7.2	
	16.5	26.2	28.3	16.8	4.1	.7	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2322

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

### SURFACE WINDS

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
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	4.0	2.8	.2	.1	.0						10.9	5.3
NNE	2.1	1.9	1.0	.1	.0							5.2	5.0
NE	2.0	2.7	5.5	4.4	1.0	.3						16.0	9.9
ENE	.9	3.5	8.1	6.9	2.9	.4	.0					22.7	10.8
E	1.7	2.4	5.2	4.1	1.2	.3						14.9	9.7
ESE	.1	.5	.9	.5	.0							2.1	8.6
SE	.5	.3	.5	.2	.0		.0					1.5	7.4
SSE	.3	.1	.2	.3	.1	.0						1.1	8.9
S	.3	.2	.2	.5	.0							1.3	8.2
SSW	.1	.0	.3	.1	.1							.6	9.4
SW	.2	.2	.4	.1	.3	.1						1.2	10.8
WSW	.0		.0	.1								.2	9.0
W	.3	.3	.3									1.0	9.2
WNW	.4	1.0	.2									1.6	4.6
NW	3.1	4.0	1.5	.2								8.7	4.7
NNW	1.6	2.8	1.2	.1								5.8	4.2
VARBL													
CALM												5.3	
	17.6	24.0	28.2	17.8	5.9	1.2	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2412

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WEAS  
STATION NAME

40-67  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	1.6	1.0	.0							4.0	8.4
NNE	.1	.7	1.2	1.2	.2							3.4	9.9
NE	.2	.7	3.2	7.1	2.7	1.0	.1					15.1	13.9
ENE	.2	.9	5.1	12.0	6.5	1.5	.0					26.4	14.2
E	.5	1.3	3.6	6.4	4.1	.4						16.2	12.9
ESE	.2	.5	1.0	.6	.3	.1	.0	.1				2.8	11.1
SE	.7	1.2	2.1	1.8	.4	.0						6.3	9.5
SSE	.5	1.2	1.8	1.6	.3	.0						4.8	8.7
S	.7	2.6	3.9	1.2	.2							8.4	7.9
SSW	.2	.9	1.4	.2		.1	.0					2.9	8.3
SW	.1	.4	.8	.5	.2	.1						2.2	10.6
WSW	.2	.7	.1	.3								.8	8.0
W	.1	.4	.3	.5	.1							1.3	9.3
WNW	.1	.3	.2									.6	5.5
NW	.2	.7	.7	.4	.1							2.0	7.6
NNW	.1	.5	.3	.2								1.0	7.7
VARBL													
CALM												1.7	
	4.6	13.2	27.3	34.2	15.2	3.4	.2	.1				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 2415

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

225.1  
STAT ON

HONOLULU BARR/JOHN RODGERS WHIS  
STATION NAME

40-67  
YEARS

JAR  
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	.0	.2	.9	1.2	.1							2.4	11.3
NNE	.0	.2	1.0	1.7	.5	.1						3.4	12.4
NE	.2	.2	2.6	7.0	5.3	1.1	.2					17.4	15.2
ENE		.5	2.9	12.5	8.7	2.7						27.2	15.5
E	.3	.8	2.4	5.4	3.4	.8	.0					11.2	13.7
ESE	.1	.4	.4	.2	.1	.1	.1					1.4	11.4
SE	.1	.4	2.1	3.6	.6	.0						6.9	11.8
SSE	.1	.7	2.8	2.0	.4	.1						6.2	10.6
S	.1	.8	5.0	2.0	.2							8.1	9.8
SSW		.4	2.7	1.0	.1	.0						4.2	9.7
SW	.1	.5	1.9	1.2	.5	.0						4.1	10.9
WSW	.0	.1	.4	.5	.3							1.4	12.1
W		.1	.5	.2	.1							1.0	10.8
WNW		.0	.2	.1	.0							.4	10.0
NW	.0	.1	.4	.7	.4	.0						1.7	12.8
NNW	.1	.0	.3	.3								.7	9.9
VARBL													
CALM												.3	
	1.2	5.5	23.4	40.9	20.8	5.0	.3					100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 2413

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHVILLE, N. C. 28801

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

SURFACE WINDS

22521  
STATION

HONOLULU GAFU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.3	1.7	1.2	.0							3.4	0.9
NNE	.1	.3	1.3	1.5	.3	.0						3.4	11.7
NE	.2	.7	5.1	9.7	3.9	1.9	.2					21.6	14.0
ENE		.7	5.1	15.1	7.4	2.0	.0					30.3	14.6
E	.3	.9	2.9	5.1	2.2	.5	.0					12.1	12.8
ESE	.1	.3	.5	.2	.1	.0						1.4	8.8
SE	.4	.5	1.3	1.7	.2	.1						4.1	10.3
SSE	.2	.9	1.7	.7	.2	.1						3.8	9.1
S	.4	2.0	3.2	.8	.0	.0						6.5	8.0
SSW	.1	.7	1.0	.4	.2							3.1	8.5
SW	.2	.5	1.9	.8	.1							3.5	9.3
WSW		.1	.9	.6	.3							1.9	11.7
W	.1	.2	.5	.4	.1							1.3	9.8
WNW		.1	.0	.1	.0							.3	11.1
NW	.2	.2	.6	.7	.2	.0						1.9	11.1
NNW	.1	.2	.4	.2	.1							1.0	9.6
VARBL													
CALM												.4	
	2.3	8.7	20.9	39.3	15.4	4.7	.3					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 2412

4

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

**SURFACE WINDS**

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

22521 STATION      HONOLULU NAHOU/JOHN RODGERS W8A5 STATION NAME      40-67 YEARS      MAR MONTH  
ALL WEATHER CLASS      1800-2000 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.6	3.2	.8	.1							7.3	7.2
NNE	.7	1.7	1.7	.8	.0	.0						4.9	7.0
NE	1.0	3.0	6.7	7.0	1.7	.3						19.7	10.6
ENE	.2	2.8	9.2	12.6	4.3	.5						29.7	12.1
E	.9	2.1	6.2	4.5	.9	.3						15.0	10.1
ESE	.0	.2	.8	.3	.1							1.5	9.7
SE	.3	.6	.7	.3	.1							2.0	8.0
SSE	.5	.6	.6	.2	.3	.0	.0					2.4	8.2
S	.4	1.0	.6	.5	.2	.0						2.7	7.6
SSW	.2	.4	.3	.2								1.1	7.1
SW	.3	.3	.4	.2	.0							1.1	7.2
WSW	.1	.4	.6	.4	.1							1.5	9.1
W	.4	.7	.6	.1		.0						1.8	6.5
WNW	.1	.2	.1	.1								.6	6.5
NW	.6	1.1	.8	.2	.1							2.7	6.6
NNW	.3	1.3	1.4	.2	.0							3.2	6.7
VARBL													
CALM												2.7	
	6.8	18.9	34.0	28.3	8.0	1.3	.0					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 2356

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DAHU/JOHN RODGERS WBSG  
STATION NAME

40-67  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.4	2.2	.6								8.8	5.5
NNE	1.1	2.2	1.2	.3	.1	.0						4.9	5.0
NE	1.9	4.1	5.7	5.7	1.6	.1						19.1	9.5
ENE	.7	4.4	10.0	8.4	3.4	.3						27.4	10.8
E	1.4	2.8	5.3	4.1	1.6	.4						15.5	10.0
ESE	.1	.6	.1	.5	.2	.0						2.1	9.4
SE	.0	.2	.4	.2	.0							.9	9.1
SSE	.2	.1	.3	.1	.2		.0					1.0	10.0
S	.1	.2	.4	.3	.0	.1						1.2	10.1
SSW	.0	.0	.3	.3								.6	10.8
SW	.1	.1	.2	.1	.0							.5	9.8
WSW	.1	.2	.1	.0		.1	.0					.6	10.9
W	.3	.2	.2			.0						.7	6.5
WNW	.3	.5	.2	.0	.0							1.1	5.8
NW	1.8	2.5	1.4	.1	.1							5.9	5.5
NNW	1.6	2.4	1.3	.0								3.3	5.0
VARBL													
CALM												4.3	
	12.6	23.7	29.9	21.0	7.2	1.2	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2320

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

# SURFACE WINDS

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WNAS  
STATION NAME

40-67  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	2.8	1.3	.2								6.8	4.9
NNE	1.4	1.8	.8	.1	.1							4.2	5.3
NE	1.5	4.6	7.6	4.2	1.4	.3						19.7	9.2
ENE	1.1	5.4	12.0	8.1	1.7	.2						28.5	9.7
E	1.8	3.4	5.8	3.3	.7	.0						15.1	8.5
ESE	.1	.3	.5	.3	.0							1.2	8.2
SE	.1	.3	.2	.2	.0							.7	7.9
SSE	.1	.2	.2	.5	.3	.2						1.4	13.7
S	.0	.1	.1	.1	.2							.6	10.9
SSW	.0		.0	.2								.3	10.7
SW	.1			.0								.1	5.7
WSW		.0										.0	5.0
W	.4	.2		.0								.6	3.7
WNW	.2	.6	.2									1.0	4.8
NW	2.3	2.3	1.2	.1	.0							6.0	4.9
NNW	1.2	2.0	1.0	.0								4.3	4.9
VARBL													
CALM												9.5	
	12.9	24.0	31.0	17.5	4.5	.7						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2243

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DANU/JOHN ROGERS 4645  
STATION NAME

40-67  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.4	3.2	1.0	.2								7.8	4.5
NNE	1.6	2.3	.6	.2	.0							4.8	5.0
NE	2.2	4.4	6.9	3.4	.6	.2						17.9	5.6
ENE	1.2	5.0	12.0	6.9	1.4							20.6	9.3
E	1.3	3.3	5.2	2.9	.4	.0						13.1	8.4
ESE	.3	.2	.4	.0								.2	0.4
SE	.2	.1	.3	.9								.6	6.9
SSE	.0		.2	.4	.3	.2						1.2	14.8
S	.0	.3	.1	.1	.1							.6	8.6
SSW	.1		.1	.2	.1							.5	11.3
SW	.1	.0										.1	3.3
WSW	.0											.0	3.0
W	.2	.1	.0									.4	4.3
WNW	.6	.8										1.4	3.9
NW	2.9	3.5	1.1									7.5	4.5
NNW	2.0	2.5	1.6	.1	.0							6.3	5.3
VARBL													
CALM												10.4	
	16.2	25.6	29.5	14.6	3.1	.5						106.0	6.8

TOTAL NUMBER OF OBSERVATIONS

2243

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS MBAL  
STATION NAME

40-67  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.6	1.3	.3								6.6	4.6
NNE	1.4	2.0	1.1	.4	.0							4.9	5.9
NE	1.6	3.2	6.7	4.6	1.7	.2						17.9	9.4
ENE	1.0	4.2	11.2	9.0	2.2	.4						26.8	10.4
E	1.6	3.3	5.6	3.1	1.1	.1						16.8	7.5
ESE	.2	.7	.8	.2	.0							1.9	7.4
SE	.6	.3	.6	.4	.0							2.0	7.1
SSE	.2	.7	.3	.4	.1	.0						1.7	10.5
S	.2		.3	.2	.3							.9	11.2
SSW	.1			.1	.1							.3	10.7
SW	.1	.1										.2	3.4
WSW		.1	.0									.1	5.0
W	.5	.3										.7	3.2
WNW	.0	.5	.2	.0								.8	2.9
NW	2.1	2.4	.7	.1								5.3	4.6
NNW	1.2	2.0	.8	.1								4.1	3.1
VARBL													
CALK												7.3	
	13.7	21.8	29.5	21.8	5.1	.7						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

2334

4  
 DATA PROCESSING DIVISION  
 FTAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU CAHU/JOHN RODGERS #BAS  
STATION NAME

40-67  
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	.2	.5	.7	.9	.1							1.9	9.0
NNE	.1	.3	1.0	1.2	.2							2.9	10.4
NE	.3	.9	4.7	9.5	3.4	.9	.1					19.8	13.3
ENE	.2	.3	6.1	15.3	6.8	1.2	.0					29.8	14.0
E	.2	1.6	5.3	7.7	3.7	.4						18.9	12.5
ESE	.3	.4	.9	.6	.1							2.1	8.7
SE	.3	.7	2.2	2.2	.1							5.5	10.2
SSE	.2	.9	2.4	1.5	.3	.0						5.3	9.6
S	.6	1.6	2.4	.9	.5	.0						6.1	8.7
SSW	.1	.7	1.1	.4	.1	.0						2.4	8.8
SW	.0	.1	.3	.3								.7	7.6
WSW		.1	.2	.1								.4	8.5
W	.0	.1	.1									.3	5.7
WNW	.0		.1									.2	7.3
NW	.0	.3	.2	.1	.2							.8	7.4
NNW	.1	.3	.8	.4	.0							1.6	9.2
VARBL													
CALM												1.2	
	2.8	8.6	28.6	40.7	15.6	2.6	.1					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 2339

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DAHM/JOHN RODGERS W845  
STATION NAME

40-67  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.5	.7	.7	.1							2.1	10.1
NNE	.1	.0	.8	1.3	.5							2.7	12.5
NE	.1	.4	3.9	10.5	6.7	1.0						22.6	14.7
ENE	.0	.3	3.4	17.1	9.9	1.3						32.3	15.1
E	.1	.7	2.2	6.5	3.5	.8						13.8	13.9
ESE	.1	.1	.3	.3	.2	.1						1.1	11.7
SE		.4	2.1	2.6	.3							5.3	11.4
SSE		.5	2.6	2.6	.7	.2						6.5	11.5
S	.2	.6	3.8	1.8	.4							6.7	10.0
SSW	.0	.2	1.2	.9	.1							2.5	10.3
SW		.3	.6	.5	.1							1.4	10.3
WSW		.1	.0	.3								.4	10.2
W	.0		.1	.0	.0							.2	10.6
WNW			.1	.0								.2	10.0
NW		.1	.2	.1	.0	.0						.6	11.1
NNW		.2	.2	.4	.3							1.1	12.5
VARBL													
CALM												.3	
	.8	4.6	22.2	45.7	22.8	3.6						100.0	13.5

TOTAL NUMBER OF OBSERVATIONS 2337

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHLVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN ROOSEFERS WBAS  
STATION NAME

40-67  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.4	.8	.9	.2							7.4	10.4
NNE	.1	.1	1.5	1.5	.2							3.3	11.2
NE	.0	.5	6.3	13.6	6.6	1.3	.1	.1				28.6	14.5
ENE	.2	.4	5.6	17.6	8.1	1.1						33.0	14.3
E	.1	.4	3.3	5.7	1.9	.4						11.3	13.0
ESE	.0	.0	.4	.3	.1							.9	10.3
SE	.0	.6	1.6	.5								2.7	8.6
SSE	.1	.4	2.0	1.3	.3	.0						4.1	10.5
S	.2	1.3	3.1	1.3	.1	.0						6.1	8.9
SSW		.7	1.1	.4	.3							1.4	10.3
SW	.0	.3	.8	.3	.0							1.4	9.1
WSW		.1	.2	.1								.5	8.6
W	.0	.2	.3	.0								.6	7.2
WNW		.1	.1	.1								.3	9.4
NW	.1	.2	.1	.3	.0							.7	8.9
NNW	.0	.2	.5	.1	.2		.0					1.1	11.8
VARBL													
CALM												.0	
	1.2	5.4	27.6	44.0	18.0	2.9	.1	.1				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS

2339

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

# SURFACE WINDS

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-57  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	2.1	.0								5.9	6.8
NNE	.3	1.4	1.5	.5	.0							3.3	7.3
NE	1.0	2.2	8.9	7.9	2.8	.3	.0	.1				25.9	11.7
ENE	.9	2.8	12.1	14.1	3.5	.2	.0					33.2	11.6
E	.8	2.7	7.2	3.6	.5	.0						14.9	9.2
ESE	.1	.4	.4	.2	.0	.0						1.1	7.0
SE	.3	.4	.8	.1	.1	.0						1.8	7.7
SSE	.2	.5	.7	.3	.4	.1						2.2	10.1
S	.1	1.0	1.0	.3	.2	.0						2.6	8.2
SSW	.4	.1	.4	.1	.0							1.0	6.4
SW	.1	.4	.1									.7	5.3
WSW	.1		.1	.1	.0							.4	8.1
W	.1	.2	.2	.0								.5	6.4
WNW	.0	.0	.2	.0								.3	7.7
NW	.1	.2	.3	.0	.0							1.3	5.9
NNW	.4	.4	.8	.2								1.8	6.7
VARBL													
CALM												3.4	
	5.5	14.9	36.9	30.2	7.7	1.4	.1	.1				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

2284

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS AFBAS  
STATION NAME

40-67  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.2	1.0	.1								4.9	5.1
NNE	1.0	1.4	.7	.1								3.2	5.3
NE	1.7	4.1	7.0	6.2	1.9	.4	.0					21.4	10.1
ENE	1.2	4.5	12.4	11.3	3.2	.4						33.1	10.6
E	1.6	3.5	5.9	4.2	1.0	.1						16.2	9.1
ESE	.1	.4	.6	.0	.0							1.2	7.4
SE	.3	.1	.3	.2								.8	7.8
SSE	.0	.1	.4	.6	.2							1.4	11.5
S	.0	.2	.2	.1	.1							.7	9.1
SSW	.0	.1	.0	.1	.0							.3	9.9
SW	.1	.0										.1	3.3
WSW		.1										.1	5.3
W	.4		.1									.5	3.7
WNW	.3	.3	.0									.6	3.6
NW	1.4	1.6	.9	.0								4.6	4.9
NNW	1.0	1.7	1.2	.3								4.7	5.8
VARBL													
CALM												7.2	
	10.9	20.4	30.7	23.3	6.5	.9	.0					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 2253

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

**SURFACE WINDS**

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

22571  
STATION

HONOLULU DAHM/JOHN REDGERS WEAS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0000-2400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	1.9	.8	.0								5.3	4.3
NNE	1.2	1.0	.6	.1								2.4	5.1
NE	1.4	5.0	9.1	6.7	.6	.1						22.9	9.1
ENE	.9	5.6	14.0	7.9	.9	.9						29.6	9.3
E	1.8	3.4	6.9	2.5	.5	.0						15.3	6.2
ESE	.2	.5	.5	.1								1.3	6.4
SE	.1	.0	.1	.0								.3	6.2
SSE				.1	.0							.2	14.3
S		.1	.1	.0								.2	7.8
SSW	.0		.1	.0								.2	7.3
SW	.1		.1									.2	4.8
WSW		.1										.1	5.0
W	.1	.0										.1	4.0
WNW	.4	.3	.1									.8	7.1
NW	2.1	2.0	.8									5.6	4.3
NNW	1.5	1.6	.5									3.6	4.4
VAREL													
CALM												11.4	
	12.4	22.6	33.8	17.6	2.0	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

2242

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHFVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WEAS  
STATION NAME

46-67  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0000-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	3.7	1.2	.0								7.9	6.4
NNE	1.1	1.7	.2	.3	.3							4.2	5.6
NE	1.9	4.7	2.1	4.9	1.0	.1						20.4	8.8
ENE	.7	6.3	13.2	5.2	.9	.0						26.4	8.9
E	1.5	3.1	6.7	2.0	.1							13.4	7.9
ESE	.2	.6	.7	.1	.0							1.8	7.0
SE	.1	.3	.1									.5	5.1
SSE	.0	.1	.0	.1								.3	7.6
S				.1								.1	12.5
SSW				.0								.0	11.0
SW	.0	.0	.0									.1	5.3
WSW		.1	.2									.3	7.8
W	.3	.0										.3	5.0
WNW	.8	.4	.0									1.2	3.4
NW	2.2	2.9	.9									6.0	6.4
NNW	1.7	2.0	.4	.0								4.1	4.7
VARBL													
CALM												13.0	
	13.4	25.9	32.5	12.8	2.1	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2349

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DANIJ/JOHN ROGERS W&AS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.1	1.0	.2								4.7	4.9
NNE	.4	1.5	1.0	.3								3.1	6.5
NE	1.5	3.9	7.3	7.4	1.2	.7						21.4	9.9
ENE	1.2	4.4	13.8	10.1	1.8	.1						31.3	10.1
E	1.5	3.3	7.4	4.2	1.1	.0						17.5	7.1
ESE	.3	.6	.7	.4	.0							2.0	7.7
SE	.3	.3	.4	.0								1.0	5.9
SSE	.3	.2	.0	.2								.6	6.3
S	.7	.5	.4	.3								1.8	6.6
SSW	.1	.1										.2	3.5
SW		.2	.2									.4	6.7
WSW	.1	.1	.0	.0								.3	5.1
W	.2	.0										.2	2.6
WNW	.4	.5	.1									.9	4.1
NW	1.0	2.2	.2									3.6	4.3
NNW	.8	1.0	.6	.2								2.6	5.4
VARBL													
CALM												8.4	
	10.1	20.6	33.1	23.2	4.2	.3						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 2390

4  
 DATA PROCESSING DIVISION  
 FTAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521 HONOLULU OAHU/JOHN RUDGERS WEAS 40-67 MAY  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER  
CLASS  
 0900-1100  
HOURS (L.S.T.)  
 \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.1	.6	.5								1.4	9.0
NNE	.0	.2	.8	1.0	.2							2.2	11.0
NE	.2	.5	4.7	11.6	4.4	.4						21.8	13.7
ENE	.1	.8	7.4	13.0	6.2	.8						33.2	13.5
E	.4	1.1	6.5	9.5	2.8	.5						20.7	12.1
ESE		.5	.9	.6	.2	.1						2.1	10.4
SE	.2	.3	1.0	1.3	.2							3.0	10.2
SSE	.2	.5	1.4	1.7	.2							4.0	10.4
S	.2	1.0	2.4	1.5	.0							5.3	9.2
SSW	.1	.2	1.7	.5	.0							2.5	9.4
SW		.3	.5	.4	.0							1.2	9.1
WSW			.2	.0								.2	9.0
W		.1	.0									.1	6.3
WNW		.0	.0									.1	7.5
NW		.1	.2	.0								.3	7.9
NNW		.2	.0	.2								.4	8.7
VARBL													
CALM												1.7	
	1.5	6.2	28.3	46.9	14.2	1.7						100.0	12

TOTAL NUMBER OF OBSERVATIONS 2

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU MAHI/JOHN RODGERS W.DAS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.1	.7	.8	.0							1.6	10.7
NNE		.0	.7	1.1	.6							2.4	13.4
NE	.1	.2	4.0	12.4	2.2	1.1	.0					26.1	15.0
ENE		.2	4.5	18.9	11.3	1.6						36.5	15.1
E	.1	.5	3.5	6.1	3.0	.5						13.7	13.3
ESE		.1	.4	.3	.2	.2						1.1	13.6
SE		.2	1.0	1.8	.4							3.2	12.5
SSE	.0	.1	1.3	1.5	.3							3.2	11.7
S	.0	.5	2.4	1.8	.2							4.1	9.8
SSW	.0	.2	1.5	1.2	.1	.0						3.1	10.6
SW	.1	.3	1.2	.5	.0							2.2	9.2
WSW		.2	.2	.1	.0							.5	8.7
W	.1	.1	.2	.0								.5	7.6
WNW			.1	.0								.1	10.7
NW	.0	.1	.1	.0								.2	6.5
NNW		.1	.5	.1								.7	8.9
VARBL													
CALM												.5	
	.7	2.7	22.4	45.9	24.3	3.4	.0					100.0	13.6

TOTAL NUMBER OF OBSERVATIONS 2400

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WADS  
STATION NAME

40-67  
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	.3	.3	.7	.7	.0							1.7	9.3
NNE	.1	.3	1.0	1.1	.3	.1						2.8	11.0
NE	.1	.6	5.2	14.5	7.3	.9	.0					25.6	14.3
ENE	.1	.4	5.5	21.4	10.8	1.0						39.7	14.5
E	.2	.6	3.8	6.5	2.2	.0						13.3	12.2
ESE	.0	.0	.4	.1	.1	.0						1.0	11.3
SE	.0	.3	.6	.7	.1							1.8	10.3
SSE	.2	.2	.9	.5	.1							1.7	4.5
S	.3	.3	1.9	.1	.1							2.0	8.5
SSW	.0	.8	1.0	.2	.0							2.0	7.9
SW	.1	.3	1.3	.3								2.0	8.3
WSW		.1	.3	.2								.0	8.4
W	.0	.1	.3									.4	7.2
WNW		.2	.3	.0								.5	7.2
NW	.0	.1	.2	.1								.4	7.8
NNW	.0	.1	.3									.5	7.4
VARBL													
CALM												.5	
	1.5	4.7	23.5	46.7	21.0	2.1	.0					100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 2397

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WPAS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.8	1.0	.7								2.3	6.6
NNE	.3	.6	1.6	.7	.1							3.3	8.5
NE	1.0	2.3	9.7	12.2	3.8	.2						29.1	11.5
ENE	.5	2.9	13.7	16.1	3.8	.2	.0					37.3	11.6
E	1.0	2.5	6.7	5.1	.9	.1						16.3	9.8
ESE	.2	.4	.6	.3								1.5	7.9
SE	.1	.3	.7									1.1	6.5
SSE	.1	.3	.1	.0	.0							.7	6.3
S	.2	.3	.5	.2	.0							1.2	7.4
SSW	.1	.4	.2									.7	6.1
SW	.1	.3	.1									.6	7.4
WSW	.0	.2	.3	.0								.6	7.3
W	.4	.3	.2									.9	4.6
WNW	.1	.0	.0									.2	4.0
NW	.1	.3	.2	.0								.6	5.7
NNW	.3	.3	.1	.0								.8	5.2
VARBL													
CALM												2.9	
	5.0	12.1	35.7	35.0	8.6	.5	.0					100.0	15.3

TOTAL NUMBER OF OBSERVATIONS

2350

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28601

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DARR/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEAR

MAY  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.6	.6	.0								3.8	4.4
NNE	.7	1.2	.7	.4								3.0	5.2
NE	1.1	4.8	8.1	7.3	1.4	.0						22.7	9.0
ENE	.7	4.8	10.6	13.3	1.5	.2						37.0	10.2
E	2.0	3.0	8.1	3.1	.6	.1						16.8	8.6
ESE	.1	.4	.4	.1								1.0	7.0
SE	.1	.2	.3	.1								.6	7.2
SSE		.0		.1	.0							.2	11.8
S	.1		.1	.2								.4	9.0
SSW		.1	.1									.2	6.3
SW		.1	.1									.1	7.1
WSW		.1	.0									.1	7.7
W	.1	.1	.0									.2	4.4
WNW	.3	.3	.0									.7	3.8
NW	.7	1.5	.5									2.8	4.7
NNW	.6	.8	.7	.0								2.1	5.3
VARBL													
CALM												6.1	
	0.1	18.9	36.4	24.7	3.4	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2332

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU CAMU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.4	.4									3.4	4.2
NNE	.7	1.3	.7	.7								2.8	5.4
NE	1.4	5.0	8.6	4.7	.8							20.5	8.7
ENE	.9	0.8	17.8	11.3	1.7	.2						38.8	9.6
E	1.1	4.5	10.0	3.4	.5	.1						19.7	7.6
ESE	.1	.5	.7	.2								1.6	7.4
SE		.1	.0									.3	7.0
SSE			.2	.1								.3	7.9
S	.0			.0								.1	7.5
SSW													
SW													
WSW	.0											.0	3.0
W	.3	.2										.5	3.5
WNW	.3	.2	.0									.6	3.9
NW	1.4	1.0	.2									2.6	3.6
NNW	.8	.7	.1									1.6	3.9
VARBL													
CALM												7.7	
	8.6	21.7	38.9	14.8	3.0	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

2290

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHLVILLE, N. C. 28801

**SURFACE WINDS**

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

22421 HONOLULU OAHU/JOHN RUDGERS WEAS 39-66 JUN  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER 0300-0500  
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	2.5	2.2	.3									5.0	3.8
NNE	1.1	1.6	.4									3.2	4.5
NE	1.3	5.3	9.4	4.4	.3	.0						20.9	8.3
ENE	1.3	7.5	17.5	8.9	.6							35.9	8.9
E	1.8	4.3	7.7	2.6	.1		.0					16.6	7.8
ESE	.0	.4	.6									1.0	6.9
SE	.1	.2	.1	.0								.4	6.5
SSE	.0		.2	.1								.3	10.4
S	.0			.0								.1	7.5
SSW													
SW													
WSW													
W	.0											.0	3.0
WNW	.3	.7	.0									.6	4.1
NW	2.1	2.0	.4									4.5	3.9
NNW	1.0	1.1	.1									2.3	3.9
VARBL													
CALM												9.1	
	11.8	24.9	36.9	16.2	1.1	.0	.0					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2301

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGER'S WCA'S  
STATION NAME

39-66  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0000-0900  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.7	.4									2.3	4.1
NNE	.5	1.0	.4	.2								2.0	5.4
NE	1.1	4.3	6.3	6.6	1.0							21.3	9.5
ENE	.9	5.0	15.7	13.3	1.9	.1						36.8	10.1
E	1.6	4.2	8.9	6.8	1.2	.1						27.8	9.5
ESE	.7	.9	.8	.1								2.5	6.0
SE	.3	.2	.1	.0								.6	5.2
SSE	.0	.1	.1	.3								.5	4.3
S	.4	.3	.3	.2								1.1	6.2
SSW	.0	.0	.0	.0	.0							.2	4.2
SW	.1		.0									.2	4.3
WSW	.0											.0	3.0
W	.1	.1										.2	2.6
WNW	.2	.2										.4	3.6
NW	.9	.9	.1	.0								2.0	4.2
NNW	.8	.6	.0									1.5	3.4
VARBL													
CALM												5.5	
	8.9	18.3	35.4	27.6	4.2	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2397

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	.3	.1	.0							.5	10.3
NNE		.1	.5	.4	.0							.9	16.5
NE	.2	.4	4.0	11.9	4.0	.4	.0					20.9	13.7
ENE	.1	.5	7.3	21.2	6.8	.7						36.8	13.5
E		1.3	8.7	12.3	4.3	.7						27.7	12.6
ESE	.2	.4	.8	.9	.2	.1						2.5	10.2
SE	.1	.4	.9	1.3	.1							2.7	10.0
SSE	.1	.2	.8	1.1	.3							2.9	11.6
S	.0	.8	1.2	.9	.1							3.0	9.3
SSW		.3	.5	.2								1.0	8.8
SW	.0	.1	.3	.1	.0							.6	8.9
WSW		.0	.0									.1	7.0
W	.1											.1	7.5
WNW													
NW	.0	.1	.1									.2	5.6
NNW			.1	.0								.1	10.0
VARBL													
CALM												.4	
	.9	4.7	25.6	50.2	15.1	1.8	.0					100.0	12.7

TOTAL NUMBER OF OBSERVATIONS

2398

4

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHPVILLE, A. C. 28801

**SURFACE WINDS**

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

STATION 22521 STATION NAME HONOLULU CAHU/JOHN RIDGERS WNAS YEARS 39-66 MONTH JUL  
 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			.3	.4								.6	11.6
NNE		.	.5	.9	.2							1.0	12.2
NE			3.8	14.4	9.1	1.7						29.0	15.4
ENE		.0	5.0	19.8	12.0	1.3	.0					38.1	15.0
E	.1	.4	3.9	9.1	4.9	.7	.1					19.2	13.9
ESE	.1	.2	.6	.6	.3	.0						1.8	11.4
SE		.1	.6	1.0	.2	.0						2.0	11.9
SSE	.0	.0	.5	1.7	.7	.2						3.0	14.0
S	.0	.3	1.3	1.0	.2	.0						2.8	10.6
SSW		.1	.4	.4								.9	10.1
SW		.1	.2	.3	.0							.7	10.8
WSW		.1										.1	5.5
W													
WNW													
NW				.4								.0	13.0
NNW	.0	.0	.0	.0								.2	7.3
VARBL													
CALM												.0	
	.3	1.4	16.9	49.7	27.5	4.0	.1					100.0	14.4

TOTAL NUMBER OF OBSERVATIONS 2396

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

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

SURFACE WINDS

22521  
STATION

HONOLULU OAHU/JOHN ROGGERS W995  
STATION NAME

39-66  
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	.0		.3	.1	.1							.5	11.3
NNE		.1	.4	.4	.1	.1						1.0	12.1
NE	.0	.4	4.7	14.7	8.9	1.5						30.3	14.9
ENE		.2	5.3	25.3	11.1	1.2						43.0	14.7
E	.1	.6	3.8	7.8	3.3	.5						16.0	13.4
ESE		.1	.6	.5	.0							1.2	10.5
SE		.1	.6	.3		.0						1.0	10.6
SSE	.0	.0	1.0	.7	.1	.0						1.9	10.5
S	.1	.3	1.2	.4	.2							2.1	9.6
SSW	.0	.1	.5	.3								1.0	8.8
SW	.1	.1	.4	.3								.9	8.4
WSW	.0	.0		.1								.2	9.0
W	.0	.0	.1									.2	8.5
WNW			.0	.0								.1	11.5
NW	.1	.0	.0	.0								.2	8.8
NNW		.1	.0									.1	5.7
VARBL													
CALM												.1	
	.6	7.2	18.9	50.9	23.8	3.3						100.0	14.0

TOTAL NUMBER OF OBSERVATIONS 7395

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DAHL/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1600-2000  
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	.6	.6									1.4	5.9
NNE	.1	.6	.7	.1	.0							1.5	7.5
NE	.3	2.0	8.1	11.8	3.9	.2						26.3	12.1
ENE	.3	2.3	15.0	21.7	4.6	.4						44.1	12.0
E	.3	2.1	9.6	5.7	1.2	.1						19.1	10.3
ESE		.3	.9	.3	.1							1.6	9.0
SE		.2	.3	.0								.5	7.7
SSE	.0	.4	.7	.0								1.2	7.3
S	.2	.2	.4	.1	.0							.9	8.0
SSW		.2	.3									.5	7.2
SW	.2	.0										.2	3.4
WSW		.0	.1									.1	7.7
W		.0	.1	.0								.2	8.0
WNW	.1											.1	3.0
NW	.1	.2										.3	4.2
NNW		.1	.1									.2	7.0
VARBL													
CALM												1.9	
	1.8	9.2	36.7	39.8	9.8	.3						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

2304

4

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

**SURFACE WINDS**

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

22521 STATION      HONOLULU DAPU/JOHN RODGERS WBAS STATION NAME      39-66 YEARS      JUN MONTH

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.8	.1									1.5	3.9
NNE	1.0	.8	.7	.0								2.5	5.3
NE	1.4	3.8	8.9	7.5	1.4							22.0	9.8
ENE	.9	4.0	17.7	15.2	7.5	.2						41.5	10.5
E	1.6	3.9	10.4	4.7	1.3	.0						21.6	9.2
ESE	.3	.3	.7	.3								1.5	7.8
SE	.2	.1	.2									.5	5.8
SSE	.0	.0	.0									.1	5.0
S	.1	.0	.1	.1								.4	6.2
SSW													
SW	.0	.0										.1	3.0
WSW			.0									.0	9.0
W	.2											.2	2.6
WNW	.2	.0										.2	2.6
NW	.5	.3	.1									.9	2.7
NNW	.4	.2	.0									.7	3.5
VARBL													
CALM												4.9	
	7.5	15.2	39.1	27.8	5.2	.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 2489

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

### SURFACE WINDS

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

STATION 22521 STATION NAME HONOLULU DAHL/JOHN RODGERS WDAS YEARS 39-66 MONTH JUL  
 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	1.2	1.0	.2									2.4	4.0
NNE	.5	.9	.6	.0								2.1	5.3
NE	1.7	6.6	10.0	6.0	.7	.2						25.3	8.7
ENE	.6	5.3	19.2	11.9	1.5	.2						39.6	9.7
E	.8	3.8	10.2	4.6	.9	.0						20.3	9.2
ESE	.1	.5	.4	.1	.0							1.4	7.4
SE			.0									.0	9.0
SSE	.0	.0										.1	4.5
S													
SSW													
SW													
WSW													
W	.1	.0										.2	3.3
WNW	.2	.1	.0									.3	3.7
NW	.9	1.0	.3									2.2	4.2
NNW	.3	.5	.2									1.1	4.4
VARBL													
CALM												5.1	
	6.5	20.8	41.2	22.7	3.1	.4						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 2367

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

### SURFACE WINDS

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

STATION: 22521 STATION NAME: HONOLULU DAHU/JOHN RODGERS WBAS YEARS: 39-66 MONTH: JUL  
 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	2.4	1.4	.5									4.3	3.9
NNE	1.0	1.2	.8	.1								3.0	5.3
NE	1.3	6.3	11.2	5.1	1.0	.0						25.0	8.7
ENE	1.0	8.4	18.3	8.5	.6	.2						36.9	8.8
E	1.3	3.9	7.9	2.9	.6							15.2	6.4
ESE	.2	.5	.5	.3								1.3	7.5
SE	.1	.1	.0		.0							.3	6.3
SSE													
S													
SSW													
SW	.0											.0	2.0
WSW	.1	.0										.1	3.3
W	.1											.1	2.3
WNW	.1	.3										.4	4.4
NW	1.2	1.7	.3									3.2	4.2
NNW	.9	1.1	.4									2.4	4.3
VARBL													
CALM												6.7	
	9.7	24.4	39.9	16.8	2.3	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2375

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521 STATION      HONOLULU OAHU/JOHN RODGERS WBAS STATION NAME      39-66 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	1.1	1.1	.6	.0		.0						2.9	9.2
NNE	.6	.9	.8									2.3	9.8
NE	1.9	4.2	10.6	8.0	1.1	.3						26.1	9.7
ENE	.9	4.8	17.5	11.8	1.9	.2						36.5	10.2
E	1.4	3.2	8.1	6.1	1.7	.1						20.7	9.9
ESE	.4	.6	.8	.4	.0							2.2	7.9
SE	.1	.2	.1	.1								.4	6.9
SSE	.1		.1									.2	6.2
S	.1	.1	.1									.2	5.7
SSW		.0		.0								.1	9.5
SW	.0	.0										.1	4.0
WSW	.0	.0										.1	3.0
W	.1	.2										.3	3.9
WNW	.2	.1										.4	3.2
NW	.6	1.1	.2									1.9	4.2
NNW	.4	.3	.2									1.0	4.5
VARBL													
CALM												4.7	
	7.5	16.9	39.0	26.5	4.8	.6						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 2473

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	.3	.2								.6	9.7
NNE	.0	.2	.8	.5	.1							1.7	10.2
NE	.0	.7	5.1	14.1	5.2	.5	.1					25.7	13.7
ENE		.1	6.1	21.6	7.9	1.3						39.7	13.7
E	.2	.9	7.5	10.3	4.6	.6	.0					24.2	12.8
ESE	.1	.2	1.0	.4	.2							1.9	10.2
SE	.1	.2	.4	.7	.1	.0						1.6	10.8
SSE	.0	.2	.5	.4	.1							1.3	9.8
S	.0	.2	1.2	.3								1.7	8.7
SSW		.1	.1									.2	6.7
SW		.0	.1	.0								.2	9.2
WSW	.0		.0									.1	5.0
W	.1											.1	2.5
WNW													
NW	.0		.2	.1								.3	9.3
NNW	.0	.0	.0		.0							.2	8.0
VARBL													
CALM												.6	
	.8	3.8	25.4	48.6	18.3	2.4	.1					100.0	13.0

TOTAL NUMBER OF OBSERVATIONS

2471

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WHAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	.4	.3	.1	.0						.9	12.0
NNE		.0	.7	.6	.2	.0						1.7	12.2
NE	.0	.3	4.0	16.2	9.7	1.8	.0					32.1	15.2
ENE		.0	3.4	22.1	12.1	2.5	.1					40.2	15.4
E	.1	.2	3.3	7.7	5.7	1.0						17.9	14.5
ESE		.1	.2	.5	.2							1.1	12.5
SE		.1	.4	1.0	.7	.0						1.7	13.3
SSE		.0	.5	.7	.2							1.4	12.0
S	.0	.1	.6	.7	.0							1.5	10.5
SSW		.1	.3	.1								.5	8.8
SW		.0	.3									.3	8.0
WSW			.1									.1	9.0
W		.0										.0	4.0
WNW													
NW			.1	.0								.2	8.8
NNW		.1	.1									.2	7.0
VARBL													
CALM												.2	
	.2	1.3	14.4	49.9	28.5	5.4	.1					100.0	14.8

TOTAL NUMBER OF OBSERVATIONS 2463

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DANIEL JOHN RODGERS MBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.0	.7	.2	.1							1.1	10.4
NNE	.1	.2	.6	.9	.2							2.1	11.4
NE		.4	5.1	16.7	9.3	1.7						33.1	14.9
ENE		.3	4.4	24.3	13.3	2.0						44.3	15.2
E	.1	.5	3.0	7.0	3.5	.8						14.9	13.7
ESE	.0		.2	.4	.1							.7	12.6
SE		.1	.3	.1								.5	9.5
SSE	.0	.1	.6	.2								.9	9.4
S	.0	.1	.5	.1								.7	8.2
SSW	.0	.1	.2	.0								.4	7.3
SW		.1	.3									.4	7.5
WSW													
W		.0										.0	5.0
WNW			.0	.0								.1	10.0
NW	.0	.1	.1									.2	5.1
NNW		.0	.0									.1	7.5
VARBL													
CALM												.4	
	.4	2.1	16.0	50.0	26.5	4.5						100.0	14.4

TOTAL NUMBER OF OBSERVATIONS

2475

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WEAS  
STATION NAME

79-66  
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	.3	.5	.3	.0								1.2	5.7
NNE		.3	.7	.2	.1							1.2	8.8
NE	.5	1.7	10.1	12.1	4.1	.4						29.3	12.2
ENE	.1	1.6	15.6	24.1	5.0	.4						46.8	12.2
E	.2	2.0	7.7	6.3	1.4	.3						17.6	10.7
ESE	.1	.3	.3	.2								.8	7.9
SE	.2	.0	.2									.4	5.7
SSE	.0	.0	.2									.3	7.6
S	.0	.1	.1									.2	5.0
SSW	.0	.0										.1	4.0
SW		.0	.0									.1	6.0
WSW													
W													
WNW	.1	.3	.0									.2	4.5
NW		.2	.0									.2	5.4
NNW		.0										.0	5.0
VARBL													
CALM												1.3	
	1.6	6.8	35.4	33.0	10.6	1.4						100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

2386

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

# SURFACE WINDS

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

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.0	.3									1.4	5.1
NNE	.3	.5	.5	.2								1.4	6.5
NE	1.3	3.5	10.1	7.5	1.2	.1						23.9	9.8
ENE	.5	4.5	21.8	17.4	3.0	.3	.0					47.5	10.5
E	.7	2.8	9.6	5.3	1.4	.0						19.7	9.8
ESE	.1	.4	.7	.1								1.3	7.4
SE		.1	.0									.1	7.0
SSE		.0										.0	4.0
S													
SSW													
SW													
WSW													
W			.1									.1	9.0
WNW													
NW	.4	.4	.1									.9	4.0
NNW	.1	.2	.1									.5	5.0
VARBL													
CALM												3.1	
	4.0	13.0	43.4	30.5	5.6	.4	.0					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 2355

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WHAS  
STATION NAME

39-48, 50-60  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	.8	.3									2.5	3.8
NNE	1.0	.5	.3	.1								2.3	4.7
NE	1.7	5.8	12.4	6.0	.7	.3						27.4	9.0
ENE	1.0	6.0	20.1	11.3	1.4							19.8	9.5
E	1.0	4.1	9.2	3.6	.6							18.5	8.7
ESE		.5	.8	.2	.0							1.5	8.0
SE	.0	.1	.2	.1	.1							.5	10.2
SSE													
S	.1		.1	.1	.0							.3	10.4
SSW													
SW			.1	.0								.2	8.3
WSW	.1											.1	3.0
W	.0			.0	.0							.1	11.3
WNW		.0		.0								.1	8.0
NW	1.0	.9	.3									2.2	4.2
NNW	.5	.4	.2									1.1	4.2
VARBL													
CALM												3.4	
	0.0	19.4	43.9	22.2	2.8	.3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

2290

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WEAS  
STATION NAME

39-48,50-66  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.4	.6		.0							4.3	4.8
NNE	1.1	1.6	.9	.1								3.9	5.2
NE	2.2	5.9	10.8	5.6	.7	.0						25.4	8.6
ENE	.8	6.7	18.1	11.0	1.1	.1						37.8	9.6
E	.9	3.6	7.6	3.0	.5							19.5	8.5
ESE	.1	.2	.6	.1	.1							1.1	8.0
SE	.0	.0	.1		.0							.3	8.7
SSE	.1			.1	.1							.3	11.2
S		.0	.1	.1								.3	10.0
SSW		.0										.0	5.0
SW	.1	.0	.0									.2	4.8
WSW	.1		.0	.1	.0							.3	9.7
W	.0											.0	3.0
WNW	.2	.1										.3	3.1
NW	1.7	1.7	.2									3.6	3.9
NNW	.8	1.1	.3									2.1	4.2
VARBL													
CALM												4.6	
	9.5	23.5	39.3	20.0	2.7	.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 2290

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28001

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48, 50-66  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.4	.5	.0								3.1	4.5
NNE	.5	1.0	.5	.2								2.3	6.1
NNE	.8	3.9	11.5	8.2	1.3	.1						25.9	10.0
ENE	.8	5.1	14.7	14.1	1.9	.2						37.7	10.4
E	.8	2.9	8.5	6.0	1.1	.2						20.4	9.9
ESE	.3	.3	.8	.2	.1	.0						1.8	8.2
SE	.3	.4	.3	.1	.2							1.3	8.1
SSE	.2		.0	.1								.2	6.1
S	.1	.1	.1	.0								.3	6.9
SSW		.0										.0	5.0
SW		.0	.1									.1	7.3
WSW	.0					.1						.2	20.3
W	.0	.0										.1	3.5
WNW	.2	.1										.3	3.3
NW	1.2	1.0	.1									2.3	3.8
NNW	.6	.4	.1									1.2	3.9
VARBL													
CALM												2.8	
	7.1	16.7	39.2	29.0	4.6	.7						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

2380

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28601

**SURFACE WINDS**

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

22521 HONOLULU OAHU/JOHN RODGERS WEAS 39-48, 50-60 AUG  
STATION STATION NAME YEARS MONTH

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.3	.0								.5	7.2
NNE		.0	.0	.4								1.0	10.2
NE	.1	.5	4.8	13.5	6.0	.7						25.6	14.0
ENE	.0	.6	7.4	22.9	9.4	1.2	.0					41.8	14.0
E	.2	1.3	6.2	10.8	4.7	.4	.0					23.5	12.9
ESE	.0	.4	.6	.7	.3	.1	.0					2.1	11.4
SE	.0	.1	.3	.8	.1							1.3	12.0
SSE	.1	.3	.6	.7	.2							1.9	10.1
S	.0	.4	.9	.2	.0							1.6	8.1
SSW		.1	.1									.2	7.0
SW			.1									.1	8.0
WSW						.1	.0					.1	24.7
W													
WNW													
NW	.0	.0										.1	3.5
NNW	.0	.1										.1	4.0
VARBL													
CALM												.2	
	.7	4.2	21.9	49.9	20.6	2.4	.2					100.0	13.4

TOTAL NUMBER OF OBSERVATIONS 2383

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU GARD JOHN RODGERS WNAS  
STATION NAME

39-48, 50-60  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED DIRECTION	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			.3	.1								.4	9.1
NNE			.9	.6	.4							1.5	13.1
NE		.5	5.3	13.6	10.1	1.6	.1					29.1	15.9
ENE		.2	5.3	22.6	15.8	2.9	.1					44.9	15.8
E		.2	3.4	6.4	4.9	.9						17.7	14.5
ESE		.1	.6	.3	.3		.1		.0			1.0	15.8
SE		.6	.2	.0	.2							1.4	12.8
SSE		.0	.8	.7	.2							1.7	11.3
S		.2	.7	.4	.1							1.3	10.7
SSW			.1		.1							.2	12.4
SW	.0	.1	.3		.0							.5	8.5
WSW			.0	.1								.1	12.0
W	.0											.0	3.0
WNW													
NW	.0											.0	3.0
NNW			.0									.0	8.0
VARBL													
CALM												.1	
	.2	1.2	13.2	47.5	32.0	5.5	.3		.0			100.0	15.1

TOTAL NUMBER OF OBSERVATIONS 2387

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DAHU/JOHN RODGERS WEAS  
STATION NAME

39-48,50-66  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	.2	.1								.4	9.6
NNE	.0	.1	.3	.8	.3							1.5	12.8
NE	.0	.4	4.6	16.2	10.0	1.3	.1					32.6	14.9
ENE	.0	.3	4.3	25.1	14.3	1.8	.0					45.9	15.1
E		.3	3.2	7.9	3.3	.3						14.6	13.8
ESE		.1	.2	.3	.3		.0					.9	13.7
SE		.2	.5	.3	.0		.0					1.0	10.4
SSE		.0	.5	.3	.0							.8	10.4
S		.2	.5	.3	.1							1.0	9.5
SSW		.0	.3		.0	.0						.4	10.9
SW		.0	.1		.0							.2	10.0
WSW			.1	.3								.4	11.5
W		.0										.0	6.0
WNW	.0											.0	3.0
NW													
NNW		.0										.0	4.0
VARBL													
CALM												.3	
	.2	1.8	14.8	50.9	26.4	3.5	.2					100.0	14.6

TOTAL NUMBER OF OBSERVATIONS

2384

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48, 50-65  
YEARS

AUG  
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	.6	.0		.0							.8	5.3
NNE	.0	.6	.5	.7	.0							1.2	8.2
NE	.2	2.4	9.4	13.0	3.9	.3						29.2	12.0
ENE	.2	2.1	17.1	23.7	4.9	.5						48.5	11.9
E	.5	1.3	8.2	5.4	1.0	.0						16.5	10.4
ESE		.1	.6	.2	.0							.9	9.5
SE		.1	.5	.0		.0	.0	.0				.8	11.7
SSE		.0	.2	.1								.3	9.4
S			.1	.1	.1							.3	13.3
SSW		.0										.0	4.0
SW	.0											.0	2.0
WSW		.0	.0									.1	7.8
W	.0											.0	3.0
WNW		.0	.0									.1	5.5
NW	.0	.1	.0									.2	5.3
NNW	.0	.0										.1	3.5
VARBL													
CALM												.9	
	1.3	7.4	36.7	42.6	10.0	.8	.0	.0				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

2299

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	.2	.0								1.1	4.9
NNE	.6	.7	.5	.1								1.9	5.7
NE	1.0	3.7	11.6	9.1	1.2	.1	.0					26.8	10.1
ENE	.6	3.8	21.3	17.5	2.7	.1						46.0	10.6
E	.4	3.3	9.0	5.3	.8							19.0	7.6
ESE	.1	.5	.7	.1								1.4	7.4
SE	.0		.2	.1		.0	.1					.4	15.1
SSE	.0	.1	.1	.0								.3	7.7
S			.1	.1	.0							.2	13.2
SSW													
SW				.1								.1	13.0
WSW													
W	.1											.1	3.0
WNW	.1											.1	3.0
NW	.3	.1	.1									.5	4.1
NNW	.2	.2	.0									.4	4.7
VARBL													
CALM												1.7	
	3.9	12.9	43.8	32.5	4.8	.3	.1					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 2286

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

**SURFACE WINDS**

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

22521 HONOLULU CANU/JOHN RODGERS WBAS 39-48,50-66 SEP  
STATION STATION NAME YEARS MONTH

ALL WEATHER

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.8	.5									6.0	4.0
NNE	1.2	2.7	.9	.0								4.7	4.9
NE	1.9	6.6	10.2	4.9	.4							24.0	8.1
ENE	1.4	7.1	15.9	7.1	.5	.0						32.0	8.7
E	1.0	3.1	7.2	2.1	.4							13.7	8.3
ESE	.0	.5	.4	.1	.0							1.0	7.3
SE	.2	.2	.0									.4	4.2
SSE		.0										.0	5.0
S		.0	.2	.3								.5	10.7
SSW		.0	.1									.1	8.3
SW		.0	.0									.1	6.0
WSW	.0											.0	2.0
W	.2	.3										.5	3.9
WNW	.2	.0										.2	3.0
NW	2.1	2.7	.5									5.3	4.2
NNW	1.4	1.8	.3									3.5	4.2
VARBL													
CALM												7.8	
	20.2	27.9	36.1	14.5	1.4	.0						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2219

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28601

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48, 50-66  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	3.6	.6									7.4	4.0
NNE	2.5	7.5	.5	.0								5.6	4.1
NE	2.3	7.2	8.8	4.2	.3							22.9	7.8
ENE	1.7	6.4	14.5	5.3	.7							28.5	8.5
E	.9	2.8	5.8	1.7	.2							11.3	7.9
ESE	.3	.2	.3	.2								.9	6.7
SE	.0	.1	.0									.2	5.5
SSE				.0								.0	14.0
S		.1	.2	.2								.5	10.1
SSW		.0	.0	.0								.1	8.0
SW	.0	.0										.1	3.5
WSW	.0	.0										.1	3.0
W	.2	.1										.3	3.5
WNW	.8	.3										1.1	3.0
NW	2.7	3.4	.8									6.8	4.2
NNW	1.4	2.8	.3									4.5	4.1
VARBL													
CALM												9.6	
	16.1	29.6	31.9	11.8	1.2							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2219

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

**SURFACE WINDS**

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

22521 HONOLULU CAHU/JOHN RODGERS W6A5 39-48.50-66 SEP  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.8	.6									5.1	4.4
NNE	1.3	2.0	.6	.0								4.0	4.9
NE	1.9	5.2	8.9	4.9	.7							21.5	8.7
ENE	1.1	5.8	14.1	9.7	1.1	.1						31.9	9.6
E	1.2	2.3	7.5	4.3	.6	.0						15.9	9.3
ESE	.5	.5	.7	.4	.0							2.2	7.5
SE	.4	.2	.2	.1			.0					1.0	6.7
SSE	.5	.0	.1	.1								.8	4.9
S	.4	.1	.3	.0								.8	4.9
SSW			.0									.0	7.0
SW	.0	.1										.1	4.3
WSW	.0	.0										.1	3.5
W	.3	.2	.1									.5	4.0
WNW	.6	.4										1.0	3.5
NW	2.3	2.0	.3									4.7	3.9
NNW	1.4	1.8	.3									3.5	4.1
VARBL													
CALM												6.6	
	13.6	23.4	33.8	19.7	2.5	.1	.0					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2308

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU DAHU/JOHN RODGERS W&AS  
STATION NAME

39-48, 60-66  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.3	.8	.1								1.2	8.4
NNE	.1	.2	.7	.3	.0							1.6	9.3
NE	.1	.4	5.3	12.0	2.9	.3						21.1	13.0
ENE	.0	1.0	8.6	18.0	6.5	.5						34.8	13.2
E	.3	1.1	6.4	9.3	2.9	.3						20.3	12.5
ESE	.2	.6	.9	.7	.2	.1						2.6	9.7
SE	.2	.8	1.0	1.4	.3							3.8	10.1
SSE	.1	1.0	2.4	1.5	.3							5.3	9.4
S	.3	1.4	4.1	1.0								6.8	8.2
SSW		.0	.7		.0							.8	8.9
SW	.1	.0	.1	.0								.3	6.7
WSW			.0	.0								.1	10.0
W	.0	.0										.1	4.0
WNW		.1										.1	4.5
NW			.1	.0								.1	10.0
NNW	.1	.2	.0									.3	4.4
.VARBL													
CALM												.8	
	1.7	7.1	31.4	44.7	13.2	1.2						100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 2309

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

### SURFACE WINDS

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

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WEAS  
STATION NAME

39-48, 50-66  
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		.2	.9	.6	.0							1.6	10.4
NNE		.0	1.0	1.0	.1							2.2	11.5
NE		.2	4.2	14.1	6.9	.6						26.0	14.6
ENE		.5	4.6	20.6	10.8	.8						37.2	14.7
E	.0	.3	3.0	6.9	3.3	.7						14.3	13.7
ESE		.2	.3	.7	.0	.0						1.4	11.4
SE	.0	.0	1.3	1.8	.5	.1						3.8	12.7
SSE	.0	.2	1.8	1.7	.4							4.2	11.3
S	.1	.5	3.4	1.1	.1							5.3	9.3
SSW		.0	1.0	.6								1.7	10.3
SW		.0	.7	.2								1.0	9.5
WSW			.0	.2								.2	12.4
W	.0		.1	.0								.2	9.6
WNW			.0									.0	8.0
NW		.0	.1									.2	7.3
NNW	.0	.1	.1	.0								.3	7.4
VARBL													
CALM												.4	
	.3	2.4	22.9	49.6	22.2	2.1						100.0	13.6

TOTAL NUMBER OF OBSERVATIONS

2305

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48, 50-64  
YEARS

SFP  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-5	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	.7	.5								1.6	8.8
NNE		.4	1.1	1.3	.2							3.1	10.9
NE	.0	.5	5.5	16.6	6.3	.8						29.8	14.0
ENE	.2	.2	5.7	23.0	10.6	.6						40.2	14.3
E	.0	.3	4.3	5.2	2.3	.3						12.5	12.7
ESE	.0		.1	.2	.1							.5	11.5
SE	.0	.7	.6	.5	.1							1.6	10.6
SSE		.3	.8	.5	.1							1.3	10.0
S	.1	.6	7.6	.4								3.7	8.4
SSW		.4	1.0	.1								1.6	7.8
SW		.5	.8	.1								1.4	7.8
WSW		.1	.2	.1								.3	8.9
W		.1	.3									.4	7.0
WNW	.1	.1										.2	3.8
NW	.0	.2	.2	.2								.6	8.7
NNW	.0		.1									.1	5.7
VARBL													
CALM												.6	
	.8	4.3	24.1	48.7	19.7	1.7						100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 2310

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

# SURFACE WINDS

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

22521  
STATION

HONOLULU DAHU/JOHN RODGERS W8A5  
STATION NAME

39-48, 50-66  
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	.9	1.1	.5									2.5	4.7
NNE	.6	1.1	1.1	.5								3.3	7.0
NE	1.2	2.7	10.7	10.9	2.2	.3						28.0	10.6
ENE	.5	3.7	17.6	15.9	3.2	.4						41.3	10.9
E	.2	2.1	8.0	3.9	1.0	.0						15.2	10.0
ESE	.1	.3	.6	.3	.0							1.3	7.9
SE	.1	.4	.3	.1								.9	6.8
SSE	.1	.2	.0	.0	.0							.4	7.4
S	.2	.8	.2	.2	.0							1.4	6.4
SSW	.0	.2	.1									.4	5.9
SW	.0	.3	.0									.4	5.1
WSW		.1										.1	4.7
W	.1	.3	.0									.5	4.5
WNW			.1									.1	8.0
NW	.5	.4	.2									1.2	4.5
NNW	.2	.3	.0									.5	5.0
VARBL													
CALM												2.4	
	4.9	14.0	39.6	31.8	6.5	.7						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

2230

4

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

## SURFACE WINDS

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

22521

HONOLULU OAHU/JOHN RODGERS WDS

39-48, 50-60

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

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	1.4	1.7	.4									3.4	4.2
NNE	.9	1.4	.4		.0							2.9	5.2
NE	1.6	5.3	9.9	6.6	1.3							24.9	9.1
ENE	.6	6.5	17.9	11.0	1.6	.0						37.8	9.6
E	.6	3.5	6.2	3.7	.6							16.7	9.0
ESE	.2	.4	.5		.0							1.1	6.4
SE	.0	.1	.2	.1								.5	7.4
SSE	.0	.0		.1								.2	10.0
S		.1	.2	.1	.0							.5	10.2
SSW			.1									.1	8.5
SW		.0										.0	5.0
WSW													
W	.2	.0	.0									.3	3.7
WNW	.2	.3										.5	4.0
NW	1.8	1.3	.4									3.4	3.8
NNW	.9	.6	.1									1.8	3.8
VARBL													
CALM												5.9	
	8.7	21.7	38.3	21.9	3.6	.0						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

2218

4

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

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48, 50-66  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	4.3	.6	.1								8.4	4.1
NNE	1.8	2.2	.6		.0	.0						4.7	4.5
NE	2.0	6.5	7.5	4.6	.4	.1						21.1	8.3
ENE	1.3	5.3	12.7	7.0	1.2	.1	.0					27.6	9.3
E	.7	2.9	6.3	2.5	.2							12.8	8.6
ESE	.3	.5	.7	.1		.1	.0					1.7	7.9
SE	.0	.2	.3	.1	.1							.7	8.8
SSE		.1	.1	.3	.1							.6	12.3
S	.1	.1	.2	.2								.6	9.1
SSW	.0	.0	.1	.1								.3	8.3
SW		.0	.2									.2	7.2
WSW													
W	.2	.2										.4	3.9
WNW	.3	.4	.1									.8	4.6
NW	2.9	3.2	1.0		.0							7.2	4.3
NNW	1.6	2.8	.5									4.9	4.5
VARBL												7.8	
CALM													
	14.6	28.8	31.3	15.1	2.1	.3	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2286

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28601

**SURFACE WINDS**

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

22521 STATION      HONOLULU OAHU/JOHN RODGERS WEAS STATION NAME      39-48, 50-60 YEARS      OCT MONTH

ALL WEATHER  
 CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	4.9	.7	.1								9.0	4.2
NNE	1.6	2.9	1.0	.1								5.8	4.9
NE	2.9	5.6	7.1	4.1	.5	.1						20.4	8.0
ENE	1.0	5.2	11.1	5.3	.7	.0						23.4	8.8
E	.9	1.2	5.3	2.6	.3	.1						10.3	9.2
ESE	.0	.3	.6	.1	.0		.0					1.2	8.6
SE	.0	.2	.1	.2	.1							.7	9.6
SSE	.1	.0	.1	.2	.0	.0						.6	11.1
S	.0		.1	.3	.1							.7	13.0
SSW		.0	.1	.1								.3	10.2
SW	.0	.1	.2	.0								.4	7.1
WSW	.0	.2										.2	4.0
W	.3	.3	.0									.7	4.3
WNW	.7	.8	.1	.0								1.6	4.2
NW	3.3	3.7	1.3	.0								8.4	4.5
NNW	2.8	3.3	.7	.0								6.8	4.3
VARBL													
CALM												9.6	
	17.3	29.0	26.5	13.4	1.9	.3	.0					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2296

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU GAHU/JOHN RODGERS HNAS  
STATION NAME

39-48, 50-66  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.6	1.0	.1								7.5	4.6
NNE	1.6	2.0	.8	.3	.0							4.7	5.3
NE	2.0	4.7	8.0	5.2	1.2							21.1	9.0
ENE	1.2	4.9	11.3	7.6	1.2	.1						26.4	9.5
E	1.0	2.3	6.0	3.6	.8	.1						13.8	9.5
ESE	.4	.3	.6	.4								1.6	7.7
SE	.3	.3	.7	.4								1.7	8.0
SSE	.4	.2	.1	.2	.0							.8	6.4
S	.5	.2	.3	.2	.1							1.3	7.3
SSW	.1	.1	.0	.1								.5	7.1
SW	.1	.1	.1	.0								.3	6.1
WSW	.0											.0	3.0
W	.5	.3	.2									1.0	4.4
WNW	.6	.5	.1									1.2	3.9
NW	2.6	3.4	.8	.0								6.8	4.3
NNW	1.7	2.1	.8	.1								4.6	4.6
VARBL													
CALM												6.8	
	15.6	24.9	30.9	18.2	3.4	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2385

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU CAMU/JOHN RODGERS WBAS  
STATION NAME

39-48, 50-65  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.8	.9	.4								2.4	8.0
NNE	.1	.6	.9	.8	.2							2.5	9.5
NE	.2	1.1	6.0	9.6	3.0	.5						20.3	12.7
ENE	.0	.9	8.3	15.9	5.1	1.0						31.2	13.1
E	.2	.9	4.8	7.8	2.7	.3						16.7	12.5
ESE	.1	.5	.8	.8	.3							2.6	10.6
SE	.7	.8	1.8	2.3	.0							5.5	9.4
SSE	.3	1.3	1.9	.8	.1							4.3	8.0
S	.4	2.5	2.9	1.3								7.1	7.7
SSW		.4	1.2	.3								1.8	6.4
SW	.0	.3	.9	.2								1.4	6.0
WSW	.0	.2	.2									.4	6.3
W	.2	.3	.2	.0								.7	5.7
WNW	.1	.1	.1	.1								.4	7.4
NW	.1	.2	.5	.0								.8	7.0
NNW	.1	.2	.2	.0								.5	6.7
VARBL													
CALM												1.0	
	2.8	11.0	31.5	40.4	11.4	1.8						100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

2384

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS PRAS  
STATION NAME

39-48, 50-66  
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	.4	.8	.7	.0							2.1	9.5
NNE		.3	.7	1.1	.3	.0						2.4	11.3
NE	.1	.3	4.2	13.2	5.7	.7						24.3	14.3
ENE	.1	.1	5.3	18.1	7.1	1.1						31.7	14.3
E	.1	.3	2.7	7.3	3.0	.5						14.0	13.8
ESE		.0	.4	.5	.0							1.0	10.7
SE	.1	.3	2.0	3.2	.4							5.9	11.7
SSE	.0	.2	2.4	2.2	.2							5.0	11.0
S	.1	.4	3.4	1.6								6.1	9.2
SSW	.0	.2	1.9	.9	.0							3.1	9.8
SW	.1	.3	.8	.4	.0							2.0	9.9
WSW		.1	.3	.4	.0							.4	10.5
W		.1	.2									.3	7.7
WNW			.0									.0	7.0
NW	.1	.1	.3	.1								.6	7.7
NNW	.0	.0	.3		.0							.4	7.9
VARBL													
CALM												.3	
	.9	3.5	25.8	50.2	14.9	2.4						100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 2379

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WINDS  
STATION NAME

39-48, 50-60  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.6	1.4	.4								2.6	6.0
NNE	.0	.3	1.1	1.1	.2							2.7	10.5
NE	.3	1.1	7.8	13.9	4.4	.7						28.3	13.0
ENE	.2	1.0	7.6	18.9	6.0	.4						34.1	13.2
E		.4	3.6	5.0	1.8	.4						11.2	12.6
ESE		.7	.6	.2	.1	.0						1.2	9.7
SE	.2	.4	1.6	1.5	.2							3.9	10.2
SSE	.2	.4	1.8	.7	.2							3.4	9.2
S	.2	1.3	2.2	.4								4.1	7.5
SSW	.3	.5	1.0	.2								2.0	7.5
SW	.1	.5	1.7	.3	.0							2.5	8.1
WSW	.1	.1	.5	.3	.0							1.1	9.3
W	.0	.2	.3	.1								.6	7.6
WNW	.0	.1	.1									.3	5.2
NW	.0	.3	.3	.2								.8	8.0
NNW	.1	.2	.3	.2								.7	8.0
VARBL													
CALM												.6	
	1.8	7.7	32.0	43.4	12.9	1.6						100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

2384

4

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

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

## SURFACE WINDS

22521  
STATIONHONOLULU GAHU/JOHN RODGERS WBAS  
STATION NAME39-48, 50-60  
YEARSOCT  
MONTHALL WEATHER  
CLASS1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	1.5	.4								5.2	5.6
NNE	.8	2.0	1.3	.4								4.6	6.1
NE	1.4	4.4	9.8	8.6	1.7	.1						26.0	10.1
ENE	1.2	4.3	15.1	12.2	1.9	.2						34.9	10.3
E	.3	2.3	6.6	3.9	1.4	.1						14.5	10.1
ESE	.3	.3	.6	.1	.1							1.3	6.0
SE	.1	.3	.7	.3								1.5	8.3
SSE		.2	.4	.2								.8	8.7
S	.2	.5	.7	.3								1.6	7.3
SSW	.1	.3	.2	.1								.6	6.1
SW	.1	.6	.1	.0								.8	5.4
WSW	.1	.4	.1	.1								.7	6.7
W	.3	.2	.2	.0								.8	5.5
WNW	.1	.3	.2									.6	5.3
NW	.5	.8	.6									1.9	5.3
NNW	.3	.6	.4	.0								1.4	5.5
VARBL													
CALM												2.6	
	7.4	19.1	38.4	26.7	5.1	.4						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

2324

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521 STATION      HONOLULU OAHU/JOHN RODGERS WBAS STATION NAME      39-48,50-66 YEARS      OCT MONTH

ALL WEATHER  
 CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.6	.8	.1		.0						5.7	4.5
NNE	1.7	1.7	.7									4.0	4.6
NE	2.1	5.0	8.0	6.4	.8	.1						22.5	9.0
ENE	1.6	6.3	15.1	8.3	1.3	.3						32.8	9.3
E	.8	2.4	7.3	3.7	.4	.1						14.8	9.3
ESE	.1	.6	.6									1.3	6.9
SE	.2	.2	.2	.2		.1						.9	10.5
SSE			.2	.2	.0							.5	11.8
S	.0	.1	.2	.2								.5	8.7
SSW		.0	.1									.2	7.8
SW	.0	.0		.1								.2	9.0
WSW	.1		.1	.0								.3	6.7
W	.1	.3	.0									.5	4.5
WNW	.3	.4		.0								.7	4.0
NW	1.7	2.3	.5	.0								4.5	4.3
NNW	1.5	2.0	.7	.0								4.2	4.7
VARBL													
CALM												6.4	
	12.4	24.0	34.6	19.3	2.6	.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2287

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28001

### SURFACE WINDS

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

22521  
STATION

HONOLULU OAHU/JOHN ROGERS WBAS  
STATION NAME

39-66  
YEARS

NGV  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.1	4.9	1.1	.0								9.8	4.2
NNE	1.7	2.0	.7	.2	.1							4.7	5.2
NE	2.1	5.1	6.1	3.4	.6	.3						17.6	8.3
ENE	1.3	4.8	11.1	8.9	1.5	.4	.0					26.2	10.0
E	.8	2.0	4.0	2.5	.5							9.8	9.1
ESE	.1	.2	.4	.3								1.0	7.8
SE	.1	.0	.1	.3	.1		.0					.7	12.3
SSE		.2	.4	.3	.1	.0	.0					1.1	12.0
S	.1	.1	.5	.3	.2							1.3	10.5
SSW	.0	.0	.0	.2								.3	9.6
SW		.1	.1	.0								.2	7.6
WSW	.1	.0	.0									.2	3.4
W	.2	.2	.0									.4	4.2
WNW	.4	.7	.2	.1								1.3	5.0
NW	4.2	3.6	1.3	.0								9.1	4.3
NNW	2.1	2.7	.4									5.2	4.1
VARBL													
CALM												9.1	
	17.6	26.2	26.5	16.6	3.1	.8	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

2294

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU GARDNER/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	5.2	1.2	.2	.0							10.2	4.7
NNE	1.7	2.2	.7	.1								4.7	4.7
NE	2.8	4.4	5.8	2.7	.7	.2						16.5	8.0
ENE	1.2	5.0	11.4	7.3	1.7	.3	.0					26.9	9.8
E	.6	2.2	3.9	2.2	.3	.1						9.3	9.0
ESE	.2	.3	.4	.3	.0							1.2	8.1
SE	.0	.2	.2	.0								.5	6.8
SSE	.0	.0	.3	.6	.1	.1	.0					1.3	13.7
S		.0	.1	.6	.2							.9	12.7
SSW	.0		.0	.0								.1	9.0
SW	.0	.1	.0	.2								.5	9.3
WSW	.0											.0	2.0
W	.3	.1										.4	3.3
WNW	.2	.4	.2									.8	4.8
NW	4.1	4.7	1.4	.0		.0						10.4	4.5
NNW	1.6	3.8	.7	.2								6.3	4.8
VARBL													
CALM												10.1	
	16.6	28.7	26.4	14.4	3.2	.7	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 2298

4

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

## SURFACE WINDS

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

22521  
STATIONHONOLULU OAHU/JOHN RUDGERS WBAS  
STATION NAME39-66  
YEARSNOV  
MONTHALL WEATHER  
CLASS0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.9	3.6	1.3	.3								0.2	4.8
NNE	1.5	2.3	1.0	.5		.1						5.4	5.9
NE	2.3	3.6	5.9	3.4	1.0	.0						18.1	9.1
ENE	.8	3.4	9.1	9.3	2.3	.4	.0					25.4	10.9
E	.9	2.2	3.5	3.4	.7							10.7	9.5
ESE	.4	.5	.6	.4	.0	.1						2.1	8.5
SE	.2	.1	.9	.0	.0	.0						.9	8.0
SSE	.1	.1	.3	.2	.3	.2						1.2	13.1
S	.1	.1	.3	.1	.1							.8	9.7
SSW	.1	.0	.1	.2	.0							.5	10.5
SW	.1			.0								.1	6.7
WSW	.1			.0								.2	5.0
W	.5	.4	.0									1.0	3.7
WNW	.6	.6	.1									1.3	3.6
NW	4.3	4.1	1.4	.1								9.9	4.3
NNW	2.1	2.6	.5	.0	.0							5.3	4.4
VARBL													
CALM												9.0	
	17.0	29.7	24.6	20.1	4.6	.8	.0					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

2388

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

**SURFACE WINDS**

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

22521 STATION      HONOLULU OAHU/JOHN RODGERS WBAS STATION NAME      39-66 YEARS      NOV MONTH  
ALL WEATHER CLASS  
0900-1100 HOURS (L.S.T.)  
 \_\_\_\_\_ CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.7	1.2	.5	.1							3.3	7.4
NNE	.2	.4	1.3	.5	.2							7.8	9.2
NE	.5	1.0	5.2	7.7	2.4	.5						17.3	12.3
ENE	.3	.8	7.2	16.2	5.9	.8	.0					31.3	13.4
E	.3	1.1	4.0	6.8	2.5	.2						14.9	12.3
ESE	.3	.5	.9	.5	.1							2.4	8.9
SE	.8	.6	1.9	.8	.3	.0	.0					4.4	8.7
SSE	.8	1.5	2.0	1.1	.2	.3	.0					9.8	8.8
S	1.0	1.9	3.0	.7	.0	.0						6.6	7.2
SSW	.3	.8	.8	.2	.1							2.2	7.5
SW	.3	.4	.9	.2								1.8	7.4
WSW		.1	.2	.0								.3	7.6
W	.4	.1	.1									.6	4.1
WNW	.3	.1	.0									.4	3.7
NW	.4	.5	.5	.3								1.7	6.4
NNW	.3	.3	.3	.3								1.0	7.5
VARBL													
CALM												3.1	
	6.9	11.0	25.4	35.8	11.8	1.9	.1					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 2394

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28601

**SURFACE WINDS**

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

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WRAS  
STATION NAME

39-66  
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	.1	.6	.9	.8	.1	.0						2.3	9.6
NNE	.1	.3	1.2	1.3	.1							2.9	10.9
NE	.2	.6	4.8	10.6	4.8	.7						21.7	13.7
ENE	.1	.8	5.3	17.9	7.7	1.6	.2					33.4	14.5
E		.3	2.5	4.7	1.7	.2						9.4	13.1
ESE			.7	.3	.0	.1						1.2	11.8
SE	.2	.5	1.4	2.5	.4	.0	.0					5.1	11.4
SSE	.1	.7	3.1	2.3	.3	.0						6.5	9.9
S	.3	1.5	4.6	1.4	.0	.0						7.9	8.5
SSW	.1	.7	2.2	.7	.0							3.8	8.9
SW	.1	.3	1.3	.5								2.2	9.3
WSW		.1	.2	.2								.5	10.1
W	.0	.2	.1									.4	5.7
WNW	.0	.0		.0								.1	6.7
NW		.4	.8	.9		.0						1.8	9.7
NNW	.0	.0	.2	.1								.4	8.6
VARBL													
CALM												.4	
	1.3	6.9	29.3	43.8	15.2	2.8	.2					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 2392

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS HBAS  
STATION NAME

39-66  
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	.3	.6	1.4	.5	.1							3.2	8.2
NNE	.1	.5	1.4	1.6	.1							3.7	10.1
NE	.6	1.5	6.6	9.9	3.3	.4						22.3	12.3
ENE	.3	1.4	9.0	18.8	5.0	.9	.1					35.4	13.0
E	.2	.9	3.7	4.2	1.6	.1						10.7	11.8
ESE		.3	.3	.1	.1							.8	7.3
SE	.3	.8	1.2	1.0	.1	.1						3.5	9.7
SSE	.3	.7	1.6	.8	.3							3.6	8.9
S	.9	1.5	2.3	.4	.1							5.1	6.8
SSW	.4	.7	1.5	.3								3.0	7.3
SW	.4	.9	1.3	.4								3.0	7.4
WSW	.1	.3	.6	.2								1.1	8.4
W	.2	.2	.0	.1	.0							.8	7.1
WNW			.1									.1	7.5
NW	.2	.4	.3	.4	.1							1.4	6.8
NNW	.1	.2	.5	.2	.1							1.1	6.6
VARBL													
CALM												1.3	
	4.3	11.1	31.8	38.9	10.9	1.5	.1					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

2396

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
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	2.3	2.4	1.6	.2	.0							6.6	5.2
NNE	.9	2.1	1.4	.5		.0						5.0	6.3
NE	3.0	4.2	8.5	6.7	1.5	.2	.0					24.1	9.2
ENE	1.2	4.4	12.6	11.7	2.9	.6	.0					33.4	10.7
E	.6	2.0	4.5	2.7	.5	.1						10.4	4.4
ESE	.2	.2	.8	.1								1.2	7.4
SE	.3	.5	.3	.0	.2	.1						1.4	6.8
SSE	.1	.5	.6	.3	.1	.0						1.7	8.7
S	.4	.4	.5	.3	.1							1.8	8.1
SSW	.3	.3	.3	.1								1.0	6.3
SW	.0	.4	.2	.1								.7	6.9
WSW	.0	.1	.1	.1								.3	7.4
W	.3	.2	.3	.0								.9	5.5
WNW	.1	.2	.1	.0								.4	6.1
NW	.8	1.6	.9									3.3	5.2
NNW	.6	.6	.6	.2								2.0	6.1
VARBL													
CALM												6.0	
	11.1	20.2	33.1	23.1	5.4	1.0	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 2342

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

### SURFACE WINDS

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

22521  
STATION

HONOLULU OAHU/JOHN ROGERS WBAS  
STATION NAME

39-66  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	4.1	1.3	.								9.3	4.6
NNE	1.2	1.9	.8	.3		.0						4.3	5.5
NE	1.9	4.4	5.4	4.2	1.1	.2	.0		.0			17.4	9.2
ENE	1.1	4.4	11.6	10.4	2.7	.5	.3					31.5	10.6
E	.7	2.6	4.5	3.3	.8	.0						11.9	9.5
ESE	.3	.5	.4	.1								1.3	6.1
SE	.3	.1	.2				.1					.7	9.6
SSE	.1	.1	.3	.3	.2	.2						1.2	12.7
S		.1	.3	.4	.0							.8	11.3
SSW			.1									.1	7.5
SW	.1	.1	.1	.1	.0							.6	7.5
WSW	.0											.0	1.0
W	.4	.1	.1									.7	3.9
WNW	.4	.3	.1									.7	4.2
NW	3.6	3.0	1.0									7.6	4.2
NNW	1.0	1.7	.7	.0								3.4	4.8
VARBL													
CALM												8.6	
	14.9	23.9	26.7	14.6	4.9	1.0	.4		.0			100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

2306

4

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

## SURFACE WINDS

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

22521  
STATIONHONOLULU CAMU/JOHN ROGERS WBAS  
STATION NAME39-66  
YEARSDEC  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	4.3	1.9	.3	.1							9.3	5.2
NNE	1.5	2.4	1.2	.3								5.4	3.4
NE	1.9	4.1	6.0	4.4	1.3	.1		.0				18.0	9.3
ENE	.8	3.0	7.3	6.9	2.0	.4	.1					11.3	10.4
E	.7	2.3	4.3	3.2	.8	.1						11.4	8.6
ESE	.1	.4	.5	.2	.0							1.2	8.0
SE	.1	.3	.2	.4	.1	.2						1.4	11.8
SSE		.1	.5	.7	.0	.0						1.4	11.7
S		.2	.7	.5	.2							1.6	11.0
SSW			.3	.4	.0							.7	12.1
SW	.0	.0	.0	.2	.0							.4	11.1
WSW		.0	.1	.2	.0	.0						.4	13.4
W	.5	.3	.3	.1								1.4	5.3
WNW	.4	1.0	.1	.0								1.5	4.4
NW	4.0	4.0	1.4	.2								9.5	4.4
NNW	2.2	3.7	1.4	.3	.1							7.6	5.2
VARBL													
CALM												7.5	
	15.2	26.9	26.2	18.3	4.8	1.1	.1	.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

2368

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# SURFACE WINDS

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

STATION 22521 STATION NAME HONOLULU OAHU/JOHN RODGERS WRAS YEARS 39-66 MONTH DEC

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	3.3	5.5	1.4	.4								10.6	4.8
NNE	2.1	2.7	1.4	.5		.0						6.8	5.7
NE	2.2	4.2	6.7	4.3	1.1	.4	.1	.0				19.0	9.1
ENE	.9	3.3	7.3	5.8	1.8	.4						19.5	10.4
E	.5	1.7	4.1	2.7	.9	.1						10.0	9.9
ESE	.2	.2	.7	.3	.0							1.5	8.3
SE	.0	.2	.3	.1	.2	.1						.9	11.3
SSE	.1	.0	.5	.2	.3							1.9	12.4
S	.1		.5	.8	.0							1.4	11.1
SSW		.2	.3	.3								.8	9.5
SW	.0		.3	.0	.0	.1						.5	11.8
WSW	.1	.1	.0	.3	.0	.0						.6	11.0
W	.4	.4	.3	.3								1.4	6.8
WNW	.5	.8	.1	.0								1.5	4.5
NW	3.1	3.9	1.6	.2								8.8	4.8
NNW	1.9	3.3	.4	.3								7.0	5.2
VARBL													
CALM												7.9	
	15.6	26.5	27.1	17.1	4.4	1.1	.1	.0				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2368

4  
 DATA PROCESSING DIVISION  
 ETAG, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WRAS  
STATION NAME

39-66  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	4.0	1.3	.2								8.5	4.8
NNE	1.7	2.5	.9	.2	.1	.0						5.5	5.4
NE	2.2	3.0	6.6	4.3	1.1	.3		.0				18.3	9.1
ENE	1.1	3.0	8.0	7.1	2.0	.3	.2					21.8	10.0
E	1.0	1.3	4.2	2.8	1.1	.2						10.7	10.0
ESE	.3	.5	.8	.3	.1							2.0	6.2
SE	.3	.0	.3	.3	.2							1.2	10.6
SSE	.0	.1	.3	.8	.5							1.8	12.9
S	.1	.2	.2	.7	.2							1.5	11.5
SSW			.4	.2								.5	9.9
SW	.2	.2	.3	.4	.1							1.2	9.0
WSW	.1	.0	.1	.2								.5	4.7
W	.6	.3	.2	.2		.0						1.3	8.8
WNW	1.0	.6	.4	.1								2.0	4.8
NW	3.5	4.2	1.4	.0								9.2	4.5
NNW	1.9	3.5	1.3	.3								7.0	5.2
VARBL													
CALM												7.1	
	17.1	24.2	26.8	18.1	5.5	.9	.2	.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

2476

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22522 HONOLULU OAHU/JOHN RODGERS NCAS 39-66 DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	1.5	.7	.2							4.1	7.9
NNE	.3	1.2	1.5	.9	.3	.1						4.3	9.0
NE	.5	.9	4.9	7.1	2.9	.7						17.1	12.6
ENE	.3	1.5	7.1	10.7	4.5	1.1	.1					25.3	13.0
E	.1	1.1	4.2	5.7	2.3	.9						14.2	12.7
ESE	.3	.5	.8	.6	.2							2.4	8.1
SE	.8	1.4	1.9	.9	.2	.0						5.3	4.7
SSE	.9	1.7	1.5	1.1	.3							5.5	3.6
S	1.3	1.6	2.6	1.1	.3							6.8	7.7
SSW	.2	.2	1.1	.6								2.1	3.4
SW	.4	.3	.7	.6	.1							2.1	4.5
WSW	.2	.2	.3	.3								1.0	3.2
W	.3	.6	.4	.2		.0						1.9	7.0
WNW	.1	.4	.2	.1	.0							.8	3.7
NW	.9	1.2	.5	.1	.1							2.8	5.7
NNW	.2	.6	.7	.2	.0	.0						1.8	7.6
VARBL													
CALM												2.9	
	7.4	14.4	29.9	31.0	11.5	2.9	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 2475

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WDS  
STATION NAME

39-66  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.2	.9	.5	.4	.0						2.3	10.5
NNE	.0	.5	1.1	1.1	.4	.1						3.2	11.2
NE	.1	.8	4.4	9.3	3.9	1.2	.1					19.8	13.9
ENE	.2	.4	5.9	13.1	5.5	1.8						26.8	14.0
E	.1	.5	2.3	4.4	2.8	.7						10.8	13.8
ESE	.0	.4	.3	.5	.2							1.4	10.4
SE	.1	.9	2.2	1.8	.4	.0						5.4	10.4
SSE	.2	1.1	3.7	2.1	.4	.0						7.6	9.8
S	.2	1.7	4.4	1.5	.1	.0						7.9	8.8
SSW	.2	.5	2.5	.8								4.0	8.9
SW	.2	.4	2.1	1.4	.2	.0						4.3	10.2
WSW		.2	.4	.7	.1							1.4	11.2
W	.2	.2	.6	.4	.1							1.5	9.9
WNW		.2	.1	.1	.0							.4	8.7
NW	.1	.3	.3	.3	.2							1.7	10.3
NNW		.2	.5	.4	.1	.0						1.3	10.5
VARBL													
CALM												.7	
	1.8	8.3	31.9	38.3	14.8	4.0	.1					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 2473

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521 STATION    HONOLULU OAHU/JOHN RODGERS WRAS STATION NAME    39-66 YEARS    DEC MONTH  
 ALL WEATHER CLASS    1500-1700 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	.2	.7	1.9	.6	.3							3.9	9.3
NNE	.1	.7	1.7	1.1	.1							3.6	9.7
NE	.3	1.9	7.2	9.0	3.5	.7	.2					22.7	12.5
ENE	.0	1.0	9.0	11.6	4.8	1.1						27.5	12.9
E	.3	.7	2.9	4.1	1.6	.4	.0					10.0	12.3
ESE	.1	.3	.5	.1	.1	.1						1.3	9.9
SE	.5	.8	1.8	1.5	.2							4.8	9.0
SSE	.1	1.6	1.8	1.1	.2	.1						4.9	8.9
S	.6	1.4	2.4	1.0	.2							5.9	8.2
SSW	.2	.6	1.6	.2	.0	.0						2.7	7.9
SW	.2	.6	1.6	.9	.1	.1						3.7	9.5
WSW	.0	.4	.9	.4	.2							1.9	9.7
W	.2	.4	.9	.4	.1	.0						2.2	8.8
WNW		.2	.3	.1								.6	8.3
NW	.1	.7	1.1	.5	.0							2.9	8.5
NNW	.0	.4	.4	.4	.1	.0						1.4	10.5
VARBL													
CALM												.8	
	3.1	12.5	36.2	33.0	11.6	2.5	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 2407

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# SURFACE WINDS

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

22521  
STATION

HONOLULU DAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.8	2.4	.8	.2	.0						6.0	6.8
NNE	1.2	2.5	1.8	1.0	.1							0.5	6.8
NE	2.5	4.7	7.4	5.0	1.9	.5	.0					22.6	9.5
ENE	1.3	3.0	6.7	8.6	2.7	1.0						25.2	11.1
E	.9	2.5	4.5	3.5	.9	.2						12.5	9.5
ESE	.2	.5	.4	.2	.2	.1						1.7	9.2
SE	.3	.7	.9	.3	.2							2.3	8.2
SSE	.3	.5	.5	.5	.1							2.0	8.3
S	.1	.5	.8	.8	.1							2.3	9.7
SSW	.2	.3	.4	.1		.0						.9	7.7
SW	.1	.4	.3	.1								.9	6.4
WSW	.2	.2	.4	.3	.1							1.0	6.8
W	.5	.3	.5	.2								1.5	6.3
WNW	.1	.2	.2	.0								.5	6.5
NW	1.3	1.9	1.2	.0	.0							4.5	5.3
NNW	.8	1.4	.9	.2	.0		.0					3.4	5.2
VARBL													
CALM												4.0	
	11.6	22.3	31.4	22.1	6.6	1.8	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

2399

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WNAS  
STATION NAME

39-66  
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	2.5	3.9	1.6	.3	.1							8.4	3.2
NNE	1.5	2.9	1.0	.5								5.9	3.5
NE	2.5	4.1	5.9	5.0	1.1	.3						18.9	9.1
ENE	1.3	4.4	7.8	8.1	1.9	.6						24.0	10.3
E	.9	2.3	4.9	3.2	1.4	.3						13.0	10.0
ESE	.0	.3	.3	.2	.1							1.2	8.7
SE	.0	.2	.4	.3	.1	.1						1.2	11.1
SSE	.1	.1	.7	.5	.1							1.5	9.6
S		.2	.4	.9								1.5	10.5
SSW	.1	.1	.2	.3								.8	9.3
SW	.1	.0	.1	.2	.0							.5	4.0
WSW	.1	.0	.1	.3								.5	4.8
W	.1	.3	.2	.2	.0							.8	8.4
WNW	.5	.8	.2	.1								1.7	4.9
NW	3.0	3.3	1.5	.2								8.0	4.8
NNW	1.6	3.0	1.1	.2	.0							5.9	5.1
VARBL													
CALM												6.1	
	14.5	26.4	26.3	20.5	4.9	1.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2369

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

**SURFACE WINDS**

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

22521 STATION      HONOLULU OAHU/JOHN ROGERS WHAS STATION NAME      39-67 YEARS      ALL MONTH

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

ALL  
 HOUR (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.6	2.0	.3	.2							5.7	0.5
NNE	.9	.9	1.2	.5								3.5	6.5
NE	1.2	2.0	1.5	.3	.1	.1						3.3	6.6
ENE	.9	1.5	2.2	.5								5.0	6.6
E	1.4	2.6	2.4	.7	.3	.2						7.6	7.3
ESE	.1	.6	1.6	1.6	.8	.7	.3	.2	.1			6.0	15.3
SE	.9	.3	1.2	1.8	2.0	1.0	.6					7.9	15.1
SSE	.7	1.0	2.4	2.6	1.2	1.5						9.4	13.0
S	.2	.8	3.4	2.6	2.4	.6						10.0	13.0
SSW	.3	.6	.6	2.0	1.1	.7	.2					5.6	14.7
SW	.1	.6	1.8	1.7	1.2	.5	.1					6.0	13.3
WSW	.1	.9	1.0	1.6	1.6	.8	.1					6.1	14.5
W	.7	.6	1.6	1.2	.9	.2						5.2	11.0
WNW	.1	.6	1.5	.2								2.4	7.8
NW	1.2	1.8	1.8	.7	.2							5.8	7.0
NNW	1.1	1.0	1.5	.5	.2		.1					6.4	7.6
VARBL													
CALM												4.0	
	11.6	17.4	27.7	18.8	12.5	6.2	1.5	.2	.1			100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 081

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

## PART D CEILING VERSUS VISIBILITY

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

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

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

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

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

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

#### ADDITIONAL EXAMPLES

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

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

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

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

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

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-67  
YEARS

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	56.9
≥ 20000	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 18000	69.4	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
IV 16000	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	66.3
IV 14000	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 12000	69.7	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 10000	71.2	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 9000	71.8	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 8000	72.6	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	72.8
IV 7000	73.2	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	73.5	73.5
IV 6000	75.0	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 5000	78.5	78.7	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
IV 4500	81.6	81.9	81.9	81.9	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 4000	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	84.4	84.4
IV 3500	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	93.2	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2500	97.3	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	98.1	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	98.2	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	98.3	99.2	99.4	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	98.3	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.4	99.3	99.5	99.6	99.8	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 22400

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS MBAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.9	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	57.5
≥ 20000	61.8	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	62.3
IV 18000	62.2	62.6	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
IV 16000	63.2	63.6	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 14000	65.1	65.5	65.7	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
IV 12000	67.2	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 10000	69.4	69.9	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 9000	70.1	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 8000	71.0	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 7000	71.7	72.3	72.5	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
IV 6000	73.6	74.2	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 5000	77.3	78.0	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4500	80.5	81.3	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4000	83.0	83.9	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	85.5	86.4	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	90.0	91.1	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2500	93.8	95.2	95.6	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2000	95.3	97.0	97.4	97.7	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	95.5	97.3	97.7	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	95.7	97.6	98.1	98.5	98.8	98.8	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	95.8	97.8	98.3	98.7	99.0	99.1	99.2	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	95.9	97.9	98.4	98.8	99.2	99.3	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	95.9	97.9	98.4	98.8	99.2	99.3	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
IV 400	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18921

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

# CEILING VERSUS VISIBILITY

STATION 22521 MCNGLULU CANU/JOHN RODGERS WBAS YEARS 40-47 MONTH FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	54.7	54.7	54.7
≥ 20000	60.5	60.7	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 18000	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 16000	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 14000	64.0	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 12000	66.4	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	68.6	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 9000	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 8000	70.3	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	70.8
IV 7000	71.1	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000	72.8	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 5000	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 4500	80.1	80.6	80.7	80.7	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 4000	83.2	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500	86.1	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	91.2	91.9	92.0	92.2	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2500	95.4	96.3	96.5	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	96.8	97.9	98.2	98.4	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 1800	97.0	98.2	98.4	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	97.2	98.4	98.7	98.9	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	97.2	98.5	98.8	99.0	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	97.2	98.5	98.8	99.1	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 900	97.2	98.5	98.8	99.1	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 800	97.2	98.5	98.8	99.1	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 700	97.2	98.5	98.8	99.1	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	97.2	98.5	98.8	99.1	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 500	97.2	98.5	98.8	99.1	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	97.2	98.5	98.8	99.1	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 300	97.2	98.5	98.8	99.1	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 200	97.2	98.5	98.8	99.1	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 100	97.2	98.5	98.8	99.1	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 0	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 17291

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAMU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.1	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
≥ 20000	61.2	61.3	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
IVV 18000	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IVV 16000	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	63.2
IVV 14000	65.0	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
IVV 12000	67.6	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
IVV 10000	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IVV 9000	70.7	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
IVV 8000	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IVV 7000	72.2	72.5	72.5	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
IVV 6000	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IVV 5000	76.5	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
IVV 4500	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IVV 4000	82.2	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
IVV 3500	85.5	86.0	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
IVV 3000	91.4	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IVV 2500	96.1	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IVV 2000	97.3	98.4	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IVV 1800	97.4	98.6	98.8	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
IVV 1500	97.6	98.8	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVV 1200	97.6	98.9	99.1	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IVV 1000	97.7	99.0	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 900	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 800	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 700	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 600	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 500	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 400	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 300	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 200	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 100	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 0	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 18972

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WRAS  
STATION NAME

40-67  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 18000	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 14000	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	64.2	64.2	64.2
IV 10000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 8000	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	69.7
IV 6000	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 3500	85.3	85.4	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 2500	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	98.6	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	98.7	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	99.8
IV 900	98.7	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	99.8
IV 700	98.7	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	99.8
IV 500	98.7	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	99.8
IV 300	98.7	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	99.8
IV 200	98.7	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	99.8
IV 100	98.7	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	99.8
IV 0	98.7	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	99.8

TOTAL NUMBER OF OBSERVATIONS 18367

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	56.1	56.1
IV 20000	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 18000	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	67.1	67.1
IV 16000	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	67.7
IV 14000	68.9	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
IV 12000	70.8	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 10000	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	72.9	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	73.0
IV 8000	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 7000	74.6	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 6000	76.4	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 5000	79.9	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	80.1	80.1
IV 4500	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4000	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3500	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2500	98.1	98.6	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	98.7
IV 2000	99.0	99.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.0	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	99.8	99.8
IV 1500	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18961

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN ROGERS WBAS  
STATION NAME

39-66  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	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	57.0
≥ 20000	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 18000	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	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 14000	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	68.2
IV 12000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 10000	70.9	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	70.7
IV 9000	70.9	70.9	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
IV 8000	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	72.3	72.4	72.4	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
IV 6000	74.5	74.6	74.6	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	79.0	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4500	82.7	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4000	85.1	85.2	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3500	87.8	87.9	87.9	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	94.8	95.0	95.0	95.1	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 2500	98.7	99.0	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	99.1	99.3	99.3	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	99.1	99.3	99.4	99.7	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 1500	99.1	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.1	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18776

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

22521  
 STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
 STATION NAME

39-66  
 YEARS

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 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 16000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 14000 12000	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 10000 9000	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	71.3
IV 8000 7000	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 6000 5000	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 4500 4000	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500 3000	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500 2000	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1800 1500	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200 1000	99.4	99.8	99.9	99.9	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 900 800	99.4	99.8	99.9	99.9	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 700 600	99.4	99.8	99.9	99.9	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 500 400	99.4	99.8	99.9	99.9	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 300 200	99.4	99.8	99.9	99.9	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 0	99.4	99.8	99.9	99.9	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 19364

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WHAS  
STATION NAME

39-48.50-66  
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	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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
IVV 18000	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
IVV 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
IVV 14000	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
IVV 12000	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
IVV 10000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IVV 9000	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
IVV 8000	74.1	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
IVV 7000	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IVV 6000	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	76.4
IVV 5000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IVV 4500	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IVV 4000	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IVV 3500	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IVV 3000	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IVV 2500	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVV 2000	99.0	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	99.7	99.7
IVV 1800	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 1500	99.1	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	99.8	99.8
IVV 1200	99.1	99.7	99.7	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
IVV 1000	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVV 900	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 800	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 700	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 600	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 500	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 400	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 300	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 200	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 100	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 0	99.1	99.7	99.8	99.9	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 18698

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 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	73.1
IV 18000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 16000	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	74.0
IV 14000	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	75.1
IV 12000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 10000	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 9000	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	78.1
IV 8000	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	78.7	78.7
IV 7000	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
IV 6000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 5000	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	84.8
IV 4500	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4000	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 3500	90.9	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 3000	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18119

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WNAS  
STATION NAME

39-48,50-66  
YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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 18000	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	67.5
IV 16000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 14000	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 12000	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	72.3
IV 10000	73.7	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 9000	74.3	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	74.4
IV 8000	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	75.4
IV 7000	75.9	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 6000	77.6	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	77.8	77.8
IV 5000	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4500	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	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	86.0	86.0	86.0
IV 3500	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 3000	93.9	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	94.4	94.4
IV 2500	97.9	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	98.7	98.7
IV 2000	98.5	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	99.5
IV 1800	98.5	99.4	99.5	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 1500	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	98.6	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18723

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (C.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 20000	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	66.3
IV 18000	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	66.9	66.9
IV 16000	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	67.5
IV 14000	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 12000	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 10000	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	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	73.0
IV 8000	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	74.2	74.3	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
IV 6000	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	78.4	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	78.7
IV 4500	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 4000	84.2	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	84.5	84.5
IV 3500	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	93.6	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	94.2
IV 2500	97.7	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	98.3	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	98.4	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	98.4	99.3	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.5	99.4	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	99.8
IV 1000	98.5	99.4	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	99.8
IV 900	98.5	99.4	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	99.8
IV 800	98.5	99.4	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	99.8
IV 700	98.5	99.4	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	99.8
IV 600	98.5	99.4	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	99.8
IV 500	98.5	99.4	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	99.8
IV 400	98.5	99.4	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	99.8
IV 300	98.5	99.4	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	99.8
IV 200	98.5	99.4	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	99.8
IV 100	98.5	99.4	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	99.8
IV 0	98.5	99.4	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	99.8

TOTAL NUMBER OF OBSERVATIONS 18812

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IVN 18000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IVN 16000	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	61.3
IVN 14000	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
IVN 12000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IVN 10000	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	67.7
IVN 9000	68.2	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
IVN 8000	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IVN 7000	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IVN 6000	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IVN 5000	74.4	74.6	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
IVN 4500	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IVN 4000	80.7	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IVN 3500	84.2	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	84.6
IVN 3000	90.8	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IVN 2500	95.7	96.8	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IVN 2000	98.8	98.7	98.9	98.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVN 1800	97.0	98.5	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IVN 1500	97.2	98.8	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVN 1200	97.2	98.8	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVN 1000	97.3	98.9	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVN 900	97.3	98.9	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVN 800	97.3	98.9	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVN 700	97.3	98.9	99.2	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVN 600	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVN 500	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVN 400	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVN 300	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVN 200	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVN 100	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVN 0	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 19396

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS MBAS  
STATION NAME

41-67  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 20000	67.1	67.2	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 18000	67.2	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
IV 16000	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 14000	69.3	69.4	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 12000	71.1	71.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 10000	73.0	73.1	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 9000	73.7	73.8	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 8000	74.0	74.1	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	74.4	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 6000	75.7	75.8	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 5000	79.3	79.5	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4500	82.7	83.1	83.4	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 4000	85.3	85.8	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 3500	87.3	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3000	91.7	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2500	94.6	95.4	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	96.2	97.2	97.8	97.9	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800	96.5	97.5	98.1	98.3	98.7	98.7	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	96.6	97.7	98.3	98.6	99.1	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	96.8	97.8	98.5	98.8	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	96.8	97.9	98.6	99.0	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	96.8	97.9	98.6	99.0	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	96.8	97.9	98.6	99.0	99.6	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	96.8	97.9	98.6	99.0	99.6	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.8	97.9	98.6	99.0	99.6	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2316

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

22521  
 STATION

HONOLULU CAMU/JOHN RODGERS W845  
 STATION NAME

41-67  
 YEARS

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.1	62.1	62.2	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
IV 20000	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	64.7
IV 18000	64.8	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
IV 16000	65.1	65.1	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 12000	68.2	68.2	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 10000	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	70.4	70.4
IV 9000	70.8	70.8	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
IV 8000	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	71.4	71.4	71.4
IV 7000	71.8	71.8	71.9	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
IV 6000	73.6	73.6	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 5000	74.9	74.9	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 4500	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	80.6
IV 4000	82.0	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	85.8	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	90.2	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2500	93.6	94.6	95.2	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 2000	95.3	96.5	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800	95.6	96.9	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	98.4
IV 1500	95.9	97.4	98.1	98.5	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 1200	96.2	97.6	98.4	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2314

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.0	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	55.0	55.0
≥ 20000	58.4	59.2	59.4	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
IV 18000	58.9	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
IV 16000	60.2	61.1	61.3	61.7	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 14000	62.1	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 12000	64.1	65.0	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
IV 10000	66.7	67.7	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
IV 9000	67.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 8000	68.7	69.7	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 7000	69.5	70.6	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	71.7	72.9	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	73.3
IV 5000	75.7	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	79.5	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4000	82.6	84.1	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
IV 3500	85.4	86.8	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	89.4	91.2	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	92.1	94.4	94.8	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2000	94.2	97.0	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	94.5	97.3	97.7	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500	94.8	97.8	98.3	98.5	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200	94.9	98.0	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	95.0	98.3	98.8	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	95.0	98.3	98.8	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	95.0	98.3	98.9	99.2	99.4	99.4	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2409

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU DAMU/JOHN RODGERS MBAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.2	52.9	53.0	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
≥ 20000	58.3	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
IV 18000	58.8	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000	60.1	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	61.0	61.0
IV 14000	62.3	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 12000	64.4	65.3	65.4	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 10000	67.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 9000	68.0	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 8000	69.4	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 7000	70.8	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 6000	72.5	73.6	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	74.1	75.3	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	79.5	80.7	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	82.1	83.4	83.6	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500	84.4	85.7	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	86.2
IV 3000	89.4	91.1	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	93.6	95.0	95.1	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 2000	95.1	97.0	97.1	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1800	95.1	97.0	97.1	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1500	95.2	98.0	98.1	98.2	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 1200	95.2	98.0	98.1	98.2	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 1000	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 900	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 400	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 300	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 200	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 100	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 0	95.3	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 2409

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.6	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
≥ 20000	58.9	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
IV 18000	59.6	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	60.6	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 14000	63.0	63.5	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 12000	65.6	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 10000	68.7	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 9000	69.3	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
IV 8000	70.3	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 7000	71.0	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000	72.7	73.4	73.5	73.5	73.5	73.5	73.5	72.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	76.2	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	79.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4000	81.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 3500	84.2	85.3	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	89.5	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2500	94.1	95.7	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	95.2	97.2	97.7	97.7	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 1800	95.2	97.2	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1500	95.5	97.6	98.1	98.3	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200	95.5	97.8	98.3	98.5	98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	95.5	97.9	98.4	98.6	99.1	99.1	99.2	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	95.5	97.9	98.4	98.6	99.1	99.1	99.2	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	95.5	98.0	98.5	98.7	99.2	99.2	99.3	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.5	98.0	98.5	98.7	99.2	99.2	99.3	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	95.5	98.0	98.5	98.7	99.2	99.2	99.3	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 400	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 300	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2407

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU DANU/JOHN RODGERS MBAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	51.7	52.3	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
IV 18000 16000	59.0	59.6	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	59.9
IV 14000 12000	62.4	62.9	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 10000 9000	67.1	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000 7000	69.2	69.8	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 6000 5000	72.3	73.0	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4500 4000	78.7	79.6	79.8	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 3500 3000	83.6	84.4	84.7	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500 2000	89.3	90.4	90.8	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1800 1500	95.2	96.9	97.3	97.9	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200 1000	99.4	97.1	97.6	98.2	98.7	98.8	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900 800	99.4	97.1	97.6	98.2	98.8	98.8	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 700 600	99.4	97.1	97.6	98.2	98.8	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500 400	99.4	97.1	97.6	98.2	98.8	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	100.0	100.0
IV 300 200	99.4	97.1	97.6	98.2	98.8	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	100.0	100.0
IV 100 0	99.4	97.1	97.6	98.2	98.8	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2404

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.8	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	62.9	63.1	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
IV 18000	63.3	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	64.4	64.6	64.6	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
IV 14000	66.3	66.8	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 12000	68.9	69.1	69.2	69.3	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 10000	70.1	70.4	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 9000	70.8	71.1	71.2	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 8000	71.8	72.1	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 7000	72.6	73.0	73.1	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 6000	74.7	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 5000	78.9	79.2	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	81.4	82.1	82.2	82.5	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 4000	83.6	84.5	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3500	86.3	87.4	87.5	87.7	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3000	90.2	91.1	91.5	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	94.4	95.4	95.8	96.1	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 2000	95.8	97.0	97.3	97.7	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	96.0	97.2	97.6	98.0	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	96.1	97.6	98.1	98.5	98.9	98.9	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	96.2	97.7	98.3	98.8	99.2	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	96.2	97.7	98.4	98.8	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
IV 900	96.2	97.7	98.4	98.8	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
IV 800	96.2	97.7	98.5	98.9	99.4	99.4	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9
IV 700	96.2	97.7	98.5	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
IV 600	96.2	97.7	98.5	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
IV 500	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0
IV 400	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0
IV 300	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0
IV 200	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0
IV 100	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0
IV 0	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2348

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WNAS  
STATION NAME

41-67  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.3	62.4	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
IV 20000	66.1	66.2	66.3	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 18000	66.2	66.4	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	66.9	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 14000	68.8	69.0	69.1	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 12000	70.8	71.3	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 10000	72.4	72.8	72.8	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	73.9	73.9	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 8000	73.8	74.2	74.2	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 7000	74.4	75.0	75.0	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 6000	75.9	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 5000	79.4	80.3	80.3	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 4500	82.7	83.4	83.4	83.7	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 4000	85.0	85.7	85.7	86.0	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 3500	86.9	87.6	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3000	90.3	91.1	91.2	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	94.1	95.2	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2000	95.6	97.1	97.3	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	95.9	97.5	97.7	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	96.2	98.0	98.3	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	96.4	98.5	98.7	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	96.4	98.7	98.7	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	96.4	98.3	98.7	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 700	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 600	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 500	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 400	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 300	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2314

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WBS  
STATION NAME

41-47  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	62.3
≥ 20000	66.3	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
IVV 18000	66.7	66.9	66.9	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
IVV 16000	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IVV 14000	69.9	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	70.2
IVV 12000	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IVV 10000	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IVV 9000	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
IVV 8000	74.3	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	74.5	74.5
IVV 7000	74.6	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
IVV 6000	76.2	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
IVV 5000	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IVV 4500	83.3	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
IVV 4000	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IVV 3500	88.4	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
IVV 3000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IVV 2500	95.7	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
IVV 2000	97.1	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
IVV 1800	97.3	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
IVV 1500	97.4	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
IVV 1200	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IVV 1000	97.5	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
IVV 900	97.5	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
IVV 800	97.5	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
IVV 700	97.5	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
IVV 600	97.5	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
IVV 500	97.5	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
IVV 400	97.5	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
IVV 300	97.5	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
IVV 200	97.5	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
IVV 100	97.5	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
IVV 0	97.5	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

TOTAL NUMBER OF OBSERVATIONS 2117

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WNAS  
STATION NAME

41-67  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 20000	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 18000	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 16000	66.9	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 14000	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 12000	70.0	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	70.2
IV 10000	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 9000	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 8000	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	73.8	74.1	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 6000	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 4500	82.2	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 4000	85.6	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	86.0	86.0
IV 3500	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	92.2	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2500	95.2	96.1	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 2000	96.6	97.7	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800	96.8	98.0	98.2	98.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	97.2	98.4	98.8	99.1	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	97.3	98.5	99.0	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	97.3	98.6	99.0	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 900	97.3	98.6	99.0	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 800	97.3	98.6	99.0	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 700	97.3	98.6	99.1	99.3	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.3	98.6	99.1	99.3	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.3	98.6	99.1	99.3	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.3	98.6	99.1	99.3	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.3	98.6	99.1	99.3	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.3	98.6	99.1	99.3	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.3	98.6	99.1	99.3	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.3	98.6	99.1	99.3	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2113

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

# CEILING VERSUS VISIBILITY

22921  
STATION

HONOLULU OAHU/JOHN RODGERS WRAS  
STATION NAME

40-67  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.1	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	54.7	54.7
IV 20000	59.9	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 18000	60.1	60.7	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 16000	60.9	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	63.3	64.0	64.0	64.0	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 12000	65.9	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	68.9	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 9000	69.7	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 8000	71.1	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	72.0
IV 7000	71.7	72.5	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
IV 6000	73.2	74.0	74.1	74.1	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	77.0	78.0	78.0	78.0	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 4500	80.3	81.2	81.3	81.3	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 4000	82.6	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	83.7	83.7
IV 3500	85.3	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	91.6	91.8	92.0	92.0	92.2	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	94.4	95.9	96.0	96.1	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 2000	96.0	97.7	97.9	98.1	98.3	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1800	96.3	98.0	98.2	98.4	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	96.5	98.3	98.5	98.8	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	96.6	98.4	98.6	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2200

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.4	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 20000	55.5	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 18000	56.0	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
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	57.4	57.4
IV 14000	59.6	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 12000	62.6	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 10000	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 9000	66.0	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	67.0	67.5	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 7000	68.1	68.6	68.7	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 6000	69.8	70.3	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 5000	74.1	74.6	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 4500	77.8	78.4	78.4	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 4000	81.0	81.7	81.7	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3500	83.9	84.5	84.6	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3000	90.2	91.0	91.1	91.3	91.6	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	94.9	96.0	96.1	96.4	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	96.1	97.6	97.8	98.1	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1800	96.3	97.9	98.2	98.5	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	96.5	98.3	98.5	98.8	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	96.5	98.4	98.7	99.0	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2205

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.4	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
≥ 20000	54.0	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	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 16000	55.7	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 14000	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 12000	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 10000	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 9000	65.3	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
IV 8000	66.5	66.9	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	67.5	67.9	67.9	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
IV 6000	69.6	70.1	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
IV 5000	73.5	74.0	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
IV 4500	77.1	77.7	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	77.8
IV 4000	80.4	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	83.8	84.6	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3000	90.9	91.7	91.9	92.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2500	95.1	96.4	96.8	97.0	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	96.2	97.7	98.1	98.4	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1800	96.5	98.0	98.5	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	96.6	98.1	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	96.6	98.2	98.6	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2202

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU GAHU/JOHN RODGERS MBAS  
STATION NAME

40-67  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 20000	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
IV 18000	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 16000	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
IV 14000	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
IV 12000	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 10000	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 9000	66.9	66.9	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 8000	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	68.2	68.2
IV 7000	68.9	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
IV 6000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 5000	75.4	75.5	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	78.8	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 4000	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	85.9	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3000	91.1	91.3	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2500	96.1	96.7	96.9	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 2000	97.5	98.1	98.4	98.5	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 1800	97.6	98.3	98.5	98.7	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	97.6	98.4	98.6	98.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	97.7	98.4	98.6	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	97.7	98.5	98.7	99.0	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 900	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2202

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS HRAS  
STATION NAME

40-67  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING IV 20000	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 18000	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	61.3
IV 16000	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	62.2
IV 14000	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 12000	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	66.0
IV 10000	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	68.4
IV 9000	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	68.9	68.9	68.9
IV 8000	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 7000	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 6000	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	71.7
IV 5000	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	75.4	75.4
IV 4500	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4000	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 3500	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 3000	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 2500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2000	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 1800	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500	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 1200	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 1000	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 900	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 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	98.7	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 500	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 400	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 300	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 200	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 100	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 0	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

TOTAL NUMBER OF OBSERVATIONS 2136

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN ROGERS WBAS  
STATION NAME

41-67  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 20000	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	65.8
IV 18000	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 16000	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 14000	68.0	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 12000	70.2	70.4	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 10000	72.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	72.8	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 8000	73.7	74.1	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 7000	74.3	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	74.9	74.9
IV 6000	76.0	76.4	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 5000	79.4	79.9	80.1	80.1	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 4500	82.7	83.2	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
IV 4000	85.3	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	88.5	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	92.6	93.2	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 2500	96.2	96.9	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 2000	97.4	98.3	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	98.9
IV 1800	97.6	98.5	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	99.1
IV 1500	97.9	98.8	99.0	99.0	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 1200	97.9	98.9	99.1	99.1	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 1000	97.9	98.9	99.1	99.1	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 900	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2116

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN RODGERS WBAS

41-67

MAR

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	69.6	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	65.7
IV 18000	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	66.3
IV 16000	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	67.1	67.1
IV 14000	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	68.2	68.2
IV 12000	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	70.2	70.2
IV 10000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	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	72.9
IV 8000	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	73.3
IV 7000	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	73.7	73.7
IV 6000	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	74.9	74.9	74.9
IV 5000	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	80.5	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	80.6	80.6
IV 4000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3000	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2500	94.9	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	95.8	95.8
IV 2000	96.8	97.8	98.0	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 1800	97.2	98.4	98.5	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	97.4	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	97.4	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	97.4	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	97.4	98.8	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.4	98.8	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.4	98.8	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.4	98.8	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	97.4	98.8	99.3	99.6	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	97.4	98.8	99.3	99.6	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	97.4	98.8	99.3	99.6	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	97.4	98.8	99.3	99.6	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	97.4	98.8	99.3	99.6	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	97.4	98.8	99.3	99.6	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 2322

4

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

# CEILING VERSUS VISIBILITY

22521 HONOLULU DANV/JOHN RODGERS WNAS 41-67 MAR 0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
I/W 18000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
I/W 16000	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
I/W 14000	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	67.5
I/W 12000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
I/W 10000	71.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
I/W 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
I/W 8000	73.9	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
I/W 7000	74.1	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
I/W 6000	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
I/W 5000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
I/W 4500	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	82.0	82.0
I/W 4000	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	84.3	84.3	84.3
I/W 3500	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
I/W 3000	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
I/W 2500	95.5	96.3	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
I/W 2000	97.1	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	98.4
I/W 1800	97.2	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
I/W 1500	97.4	98.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
I/W 1200	97.5	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
I/W 1000	97.6	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
I/W 900	97.6	99.1	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
I/W 800	97.6	99.1	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
I/W 700	97.6	99.1	99.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
I/W 600	97.6	99.1	99.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
I/W 500	97.6	99.1	99.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
I/W 400	97.6	99.1	99.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
I/W 300	97.6	99.1	99.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
I/W 200	97.6	99.1	99.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
I/W 100	97.6	99.1	99.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
I/W 0	97.6	99.1	99.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2321

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

# CEILING VERSUS VISIBILITY

22521 HONOLULU OAHU/JOHN RODGERS WBAS 40-67 MAR  
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 20000	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 18000	60.7	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 16000	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	64.1	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 12000	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	67.5	67.5
IV 10000	69.4	69.9	69.9	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
IV 9000	70.3	70.9	70.9	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
IV 8000	71.1	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 7000	71.6	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 6000	73.4	74.2	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 5000	76.0	76.8	76.8	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
IV 4500	78.3	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4000	81.5	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	83.8	84.7	84.7	84.7	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 3000	89.3	90.5	90.6	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2500	95.0	96.5	96.6	96.7	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 2000	96.1	97.9	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800	96.2	98.3	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	96.3	98.5	98.8	99.0	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	96.4	98.7	99.0	99.2	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	96.4	98.7	99.1	99.2	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 900	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 800	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 700	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 600	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 500	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 400	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 300	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 200	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 100	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 0	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2412

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

# CEILING VERSUS VISIBILITY

22521 STATION HONOLULU OAHU/JOHN ROGERS WBAS STATION NAME 40-67 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
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	47.7
IV 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	59.3	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 16000	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 14000	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	63.5
IV 12000	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 10000	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	68.4
IV 9000	69.4	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 8000	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 7000	71.2	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 6000	72.8	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 5000	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4500	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	82.1	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 3500	85.4	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	86.0	86.0
IV 3000	91.7	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 2500	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 2000	97.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1800	97.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1500	97.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	97.3	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	98.7	98.7
IV 1000	97.3	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	98.7	98.7
IV 900	97.3	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	98.7	98.7
IV 800	97.3	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	98.7	98.7
IV 700	97.3	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	98.7	98.7
IV 600	97.3	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	98.7	98.7
IV 500	97.3	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	98.7	98.7
IV 400	97.3	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	98.7	98.7
IV 300	97.3	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	98.7	98.7
IV 200	97.3	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	98.7	98.7
IV 100	97.3	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	98.7	98.7
IV 0	97.3	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	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 2415

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	57.7	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 18000	58.4	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	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 14000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 12000	64.3	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 10000	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 8000	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 7000	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 6000	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 5000	74.0	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4500	76.8	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	80.4	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	84.8	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3000	91.8	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	96.8	97.8	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	97.5	98.6	98.8	98.9	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 1800	97.6	98.7	98.9	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	97.7	98.9	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	97.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2413

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

# CEILING VERSUS VISIBILITY

22521 STATION HONOLULU DANU/JOHN ROGERS WBAS STATION NAME 40-67 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	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 18000 16000	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 14000 12000	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 10000 9000	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	67.6	67.6	67.6
IV 8000 7000	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 6000 5000	72.3	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
IV 4500 4000	78.4	78.7	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
IV 3500 3000	81.6	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 2500 2000	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1800 1500	91.3	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1200 1000	97.2	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900 800	98.1	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700 600	98.3	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500 400	98.4	99.2	99.4	99.6	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 300 200	98.4	99.2	99.4	99.6	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 0	98.4	99.2	99.4	99.6	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 2413

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEAR

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000	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 16000	62.9	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 14000	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 10000	70.2	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 9000	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 8000	72.3	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	74.0	74.3	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
IV 5000	77.5	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 4500	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	80.6	80.6
IV 4000	82.9	83.2	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
IV 3500	85.9	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	92.0	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2500	96.8	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	98.1	98.7	98.9	98.9	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 1800	98.2	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	98.2	98.9	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	98.3	99.1	99.4	99.4	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 1000	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2356

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

22921 HONOLULU CAMU/JOHN RODGERS WBAS 40-67 MAR  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	65.7	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
IV 18000	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 16000	67.0	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 14000	68.4	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 12000	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 10000	72.2	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
IV 9000	72.8	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	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7000	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 6000	74.9	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	75.2
IV 5000	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	80.2	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 4000	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	83.4	83.4
IV 3500	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	91.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	95.9	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 2000	97.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	98.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2320

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

# CEILING VERSUS VISIBILITY

22521  
 STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
 STATION NAME

40-67  
 YEARS

APR  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5	58.2 64.5
IVM 18000 16000	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3
IVM 14000 12000	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6	67.0 69.6
IVM 10000 9000	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7	70.9 71.7
IVM 8000 7000	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8	72.0 72.8
IVM 6000 5000	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6	74.9 78.6
IVM 4500 4000	81.0 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3	81.1 84.3
IVM 3500 3000	87.1 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6	87.2 93.6
IVM 2500 2000	97.7 98.5	98.2 99.3	98.2 99.3	98.3 99.4	98.3 99.4	98.3 99.4	98.3 99.4	98.3 99.4	98.3 99.4	98.3 99.4	98.3 99.4	98.3 99.4	98.3 99.4	98.3 99.4	98.3 99.4	98.3 99.4
IVM 1800 1500	98.6 98.6	99.5 99.6	99.6 99.6	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7
IVM 1200 1000	98.7 98.7	99.7 99.7	99.8 99.9	99.8 99.9	99.8 100.0											
IVM 900 800	98.7 98.7	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0											
IVM 700 600	98.7 98.7	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0											
IVM 500 400	98.7 98.7	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0											
IVM 300 200	98.7 98.7	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0											
IVM 100 0	98.7 98.7	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0											

TOTAL NUMBER OF OBSERVATIONS 2242

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN ROGERS WBAS  
STATION NAME

41-67  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	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 18000 16000	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
IV 14000 12000	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	64.5
IV 10000 9000	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	68.6	68.6
IV 8000 7000	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
IV 6000 5000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4500 4000	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500 3000	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 2500 2000	97.3	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800 1500	98.4	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200 1000	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900 800	98.4	99.4	99.7	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 700 600	98.4	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	98.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	98.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	98.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2243

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU GAHU/JOHN RODGERS HBAS  
STATION NAME

40-67  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.6	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
IV 20000	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 18000	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 16000	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000	64.5	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	64.7
IV 12000	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	67.7
IV 10000	69.5	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 9000	70.4	70.4	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 8000	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	71.5
IV 7000	72.3	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
IV 6000	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	77.3	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	77.5
IV 4500	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500	86.2	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3000	92.4	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2500	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	98.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	98.4	99.5	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	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.5	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	99.8	99.8
IV 900	98.5	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	99.8	99.8
IV 800	98.5	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	99.8	99.8
IV 700	98.5	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	99.8	99.8
IV 600	98.5	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	99.8	99.8
IV 500	98.5	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	99.8	99.8
IV 400	98.5	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	99.8	99.8
IV 300	98.5	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	99.8	99.8
IV 200	98.5	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	99.8	99.8
IV 100	98.5	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	99.8	99.8
IV 0	98.5	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	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2334

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 18000	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 16000	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	57.8	57.8
IV 14000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 10000	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 9000	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
IV 8000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 7000	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 6000	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	68.4
IV 5000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 4500	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	75.1
IV 4000	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	81.7	81.9	81.9	81.9	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 3000	91.6	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	97.4	97.9	97.9	98.0	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 2000	98.4	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	98.5	99.3	99.3	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	98.5	99.3	99.4	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
IV 1200	98.5	99.3	99.4	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
IV 1000	98.5	99.3	99.4	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
IV 900	98.5	99.3	99.4	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
IV 800	98.5	99.3	99.4	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
IV 700	98.5	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2337

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 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	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 16000	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 14000	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 12000	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	62.7	62.7
IV 10000	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 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
IV 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
IV 7000	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	67.1
IV 6000	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 5000	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4500	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4000	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3500	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3000	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2500	98.1	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 2000	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	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	99.7	99.7
IV 1200	99.1	99.5	99.6	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	99.1	99.5	99.6	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	99.1	99.5	99.6	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	99.1	99.5	99.6	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	99.1	99.5	99.6	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 600	99.1	99.5	99.6	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 500	99.1	99.5	99.6	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 400	99.1	99.5	99.6	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 300	99.1	99.5	99.6	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 200	99.1	99.5	99.6	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 100	99.1	99.5	99.6	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 0	99.1	99.5	99.6	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

TOTAL NUMBER OF OBSERVATIONS 2337

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

# CEILING VERSUS VISIBILITY

22921  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 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	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 16000	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 14000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 12000	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 10000	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	67.4
IV 9000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	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	68.9	68.9	68.9
IV 7000	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
IV 6000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 5000	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	75.4	75.4
IV 4500	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3500	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3000	93.6	93.6	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 2500	98.5	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	98.7	98.7
IV 2000	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.2	99.4	99.6	99.7	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	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2338

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OHU/JOHN RODGERS WNAS  
STATION NAME

40-67  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 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 16000	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 14000 12000	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	66.0
IV 10000 9000	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 8000 7000	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
IV 6000 5000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4500 4000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3500 3000	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2500 2000	97.3	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 1800 1500	98.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200 1000	98.4	99.5	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900 800	98.4	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700 600	98.4	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	98.4	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	98.4	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	98.4	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2283

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WHAS  
STATION NAME

40-67  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	65.4	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	65.5
IV 18000	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	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	67.2
IV 14000	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 12000	71.0	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 10000	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	73.0	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	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 7000	73.7	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 6000	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	75.4
IV 5000	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	78.2	78.2	78.2
IV 4500	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	83.5	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 3500	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	87.2	87.2	87.2
IV 3000	93.3	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	93.7
IV 2500	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	98.2	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 1800	98.4	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	98.5	99.3	99.4	99.5	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	98.5	99.5	99.6	99.6	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	98.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.5	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	99.9	99.9
IV 700	98.5	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	99.9	99.9
IV 600	98.5	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	99.9	99.9
IV 500	98.5	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	99.9	99.9
IV 400	98.5	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	99.9	99.9
IV 300	98.5	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	99.9	99.9
IV 200	98.5	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	99.9	99.9
IV 100	98.5	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	99.9	99.9
IV 0	98.5	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	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 2253

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	66.3
≥ 20000	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 18000	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 16000	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 14000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
IV 12000	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	75.0
IV 10000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3
IV 9000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 8000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
IV 7000	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	78.2
IV 6000	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	79.6
IV 5000	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	85.7	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 4000	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	88.6
IV 3500	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3000	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2500	98.0	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
IV 2000	98.7	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	99.7
IV 1800	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	98.8	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	99.8
IV 1200	98.8	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	99.8
IV 1000	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2342

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN ROGERS W8AS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0900  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 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	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
IV 16000	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	71.1
IV 14000	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 12000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 10000	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 9000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 8000	76.7	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	76.8
IV 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	79.3	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	79.4	79.4
IV 5000	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4500	85.7	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 4000	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3500	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3000	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2500	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2000	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.5	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	100.0
IV 400	99.5	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	100.0
IV 300	99.5	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	100.0
IV 200	99.5	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	100.0
IV 100	99.5	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	100.0
IV 0	99.5	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	100.0

TOTAL NUMBER OF OBSERVATIONS 2349

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.8	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
≥ 20000	66.9	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 18000	67.6	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 16000	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 14000	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 12000	71.7	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	72.0
IV 10000	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 9000	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	74.6
IV 8000	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 7000	76.2	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 6000	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 5000	81.5	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
IV 4500	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 4000	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	89.0	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 3000	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	98.0	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
IV 2000	98.7	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	99.8	99.8
IV 1800	98.7	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2395

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN ROGERS HRAS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING IV 20000	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	64.7
IV 18000 IV 16000	65.5	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 14000 IV 12000	66.9	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 10000 IV 9000	70.6	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 8000 IV 7000	72.2	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
IV 6000 IV 5000	75.1	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	75.4
IV 4500 IV 4000	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 3500 IV 3000	85.5	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 2500 IV 2000	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1800 IV 1500	99.2	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 1200 IV 1000	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900 IV 800	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700 IV 600	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 IV 400	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 IV 200	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2398

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAMU/JOHN RODGERS W8AS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	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
IV 18000 16000	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 14000 12000	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	64.8
IV 10000 9000	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 8000 7000	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 6000 5000	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	72.9	72.9
IV 4500 4000	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	79.4	79.4	79.4
IV 3500 3000	84.9	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	85.0
IV 2500 2000	98.3	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 1800 1500	99.1	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200 1000	99.1	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 900 800	99.1	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 700 600	99.1	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	99.1	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	99.1	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	99.1	99.7	99.7	99.8	99.8	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 2398

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAMU/JOHN RODGERS WBSA  
STATION NAME

40-67  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	47.0
IV 20000	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 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	61.6
IV 16000	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 14000	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
IV 12000	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	65.5	65.5
IV 10000	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	67.4
IV 9000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 8000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 7000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 6000	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 5000	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	76.4	76.4
IV 4500	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	93.8	94.1	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
IV 2500	98.1	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.1	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2398

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

# CEILING VERSUS VISIBILITY

22521 HONOLULU OAHU/JOHN RODGERS WBAS

40-67

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1900-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	54.8
≥ 20000	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 18000	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 16000	67.1	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 14000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 12000	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	70.2	70.2
IV 10000	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	71.5	71.5
IV 9000	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	72.0
IV 8000	73.0	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	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 6000	75.9	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 5000	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 4500	83.3	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
IV 4000	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3500	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2500	97.9	98.2	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	98.4
IV 2000	99.1	99.5	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	99.7
IV 1800	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.2	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.2	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.2	99.8	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	99.2	99.8	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	99.2	99.8	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	99.2	99.8	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	99.2	99.8	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	99.2	99.8	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	99.2	99.8	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	99.2	99.8	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	99.2	99.8	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	99.2	99.8	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	99.2	99.8	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 2349

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WHAS  
STATION NAME

40-67  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IVV 18000	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
≥ 16000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IVV 14000	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	72.9	72.9
≥ 12000	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	74.4	74.4
IVV 10000	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	75.3
≥ 9000	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IVV 8000	76.5	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	76.6	76.6
≥ 7000	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IVV 6000	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	78.6
≥ 5000	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IVV 4500	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4000	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IVV 3500	90.2	90.3	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	90.4
≥ 3000	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IVV 2500	97.5	97.7	97.8	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
≥ 2000	98.8	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVV 1800	98.9	99.4	99.6	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
≥ 1500	99.0	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVV 1200	99.0	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 900	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 700	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 500	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 300	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 100	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2332

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

22521 STATION HONOLULU DANU/JOHN RODGERS WHAS STATION NAME 40-66 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.9	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
IV 20000	71.6	71.6	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 18000	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 16000	71.9	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 14000	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	74.1	74.1	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 10000	74.9	74.9	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 9000	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 8000	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	76.5	76.6	76.6	76.7	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 6000	78.5	78.5	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 5000	82.7	82.7	82.7	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
IV 4500	86.3	86.3	86.3	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 4000	88.5	88.6	88.6	88.7	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 3500	90.5	90.6	90.6	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3000	95.4	95.5	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2500	98.5	98.7	98.8	98.9	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 2000	99.0	99.3	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.0	99.3	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.0	99.4	99.4	99.6	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 1200	99.0	99.4	99.4	99.6	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	99.1	99.5	99.5	99.7	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 900	99.1	99.5	99.5	99.7	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 800	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2289

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-66  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	62.4	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 18000 16000	69.2	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 14000 12000	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 10000 9000	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000 7000	73.6	73.6	73.7	73.7	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 6000 5000	76.2	76.3	76.4	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 4500 4000	80.7	80.8	80.8	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3500 3000	85.4	85.4	85.5	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2500 2000	90.0	90.1	90.2	90.2	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1800 1500	95.6	95.8	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200 1000	98.6	98.9	99.0	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 900 800	99.1	99.5	99.6	99.7	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 700 600	99.2	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2307

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS HBAS  
STATION NAME

39-66  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 18000	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 16000	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 14000	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 12000	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	67.5
IV 10000	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 9000	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 8000	69.8	70.1	70.1	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
IV 7000	70.5	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	72.4	72.7	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 5000	76.8	77.1	77.1	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	80.5	80.8	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	82.8	83.2	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3500	86.1	86.6	86.6	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	93.1	93.9	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2500	97.5	98.5	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	98.3	99.3	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	98.4	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.4	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2397

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU LAHI / JOHN RODGERS MBAS  
STATION NAME

39-66  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0	
NO FLOORING ≥ 20000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 18000 14000	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
IV 12000 8000	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 5000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 4500 4000	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 3500 3000	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	64.4	64.4
IV 2500 2000	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
IV 1800 1500	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
IV 1200 1000	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
IV 900 800	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 700 600	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 500 400	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	80.7	80.7
IV 300 200	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	84.4	84.4	84.4
IV 100 0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 100 0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 100 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
IV 1800 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2398

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	50.7	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
IV 18000	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
IV 16000	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 14000	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 12000	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 10000	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	67.6	67.6
IV 9000	67.9	67.9	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
IV 8000	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	68.9	68.9	68.9
IV 7000	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
IV 6000	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
IV 5000	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 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
IV 4000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 3500	86.2	86.3	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	95.2	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 2500	99.2	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	99.7
IV 2000	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2396

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN ROGGERS W8AS  
STATION NAME

39-66  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.8	53.8	53.8	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
≥ 20000	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 18000	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	67.2	67.2	67.2	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 14000	68.3	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 12000	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000	70.6	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	70.8
IV 9000	71.2	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	71.4	71.4
IV 8000	72.0	72.1	72.1	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 7000	72.9	73.0	73.0	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	75.5	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	85.3	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	85.6
IV 3500	88.1	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3000	96.1	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2500	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000	99.2	99.5	99.5	99.7	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 1800	99.2	99.5	99.5	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
IV 1500	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2396

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU DAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	57.0	57.0	57.0	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
IV 18000 16000	67.5	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 14000 12000	69.5	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000 9000	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 8000 7000	72.7	72.7	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
IV 6000 5000	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 4500 4000	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500 3000	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500 2000	99.0	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800 1500	99.3	99.5	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200 1000	99.3	99.6	99.6	99.6	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 900 800	99.3	99.6	99.6	99.6	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 700 600	99.3	99.6	99.6	99.6	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 500 400	99.3	99.6	99.6	99.6	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 300 200	99.3	99.6	99.6	99.6	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 0	99.3	99.6	99.6	99.6	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 2304

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WBAS  
STATION NAME

40-66  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																		
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0	
NO CEILING ≥ 2000	65.4	65.1	65.1	65.3	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 18000 16000	71.2	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 14000 12000	72.3	72.3	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 10000 9000	73.9	73.9	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	74.1
IV 8000 7000	74.4	74.4	74.4	74.6	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 6000 5000	76.8	76.8	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 4500 4000	84.4	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3500 3000	89.3	89.3	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500 2000	94.6	94.6	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1800 1500	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200 1000	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900 800	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700 600	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2289

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS W8AS  
STATION NAME

40-66  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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 18000	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
IV 16000	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	71.5
IV 14000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 12000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 10000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 9000	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	73.8
IV 8000	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 7000	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 6000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 5000	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	80.8
IV 4500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3500	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	89.8	89.8	89.8
IV 3000	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	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	99.0
IV 2000	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2366

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	65.3	65.3
IV 20000	69.0	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 18000	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 16000	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000	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	70.3
IV 12000	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 10000	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	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	72.0	72.0
IV 8000	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 7000	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 6000	75.0	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 5000	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4000	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	86.0	86.0
IV 3500	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3000	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2500	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	99.0	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	99.7	99.7
IV 1800	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.1	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2375

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONGLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	63.6	63.6	63.6	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
IV 18000	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 16000	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 14000	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	65.7
IV 12000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 10000	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	67.4
IV 9000	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	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	68.6
IV 7000	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 6000	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	71.4	71.4	71.4
IV 5000	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4500	80.3	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
IV 4000	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	94.2	94.5	94.5	94.5	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 2500	98.0	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	99.0	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.2	99.8	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 1200	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	100.0
IV 1000	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	100.0
IV 900	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	100.0
IV 800	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	100.0
IV 700	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	100.0
IV 600	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	100.0
IV 500	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	100.0
IV 400	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	100.0
IV 300	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	100.0
IV 200	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	100.0
IV 100	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	100.0
IV 0	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	100.0

TOTAL NUMBER OF OBSERVATIONS 2473

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU TAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	52.6
IV 20000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 18000	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 16000	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	62.2
IV 14000	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 12000	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	64.9
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	65.5	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	65.5	65.5
IV 8000	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
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	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
IV 5000	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	72.9	72.9
IV 4500	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4000	80.1	80.1	80.1	80.1	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 3500	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 3000	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2500	98.7	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 2000	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2473

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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
IVV 18000	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
IVV 16000	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
IVV 14000	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	67.5
IVV 12000	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
IVV 10000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IVV 9000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IVV 8000	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
IVV 7000	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	70.3
IVV 6000	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
IVV 5000	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	76.4	76.4
IVV 4500	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IVV 4000	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
IVV 3500	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IVV 3000	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	95.0	95.0
IVV 2500	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
IVV 2000	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVV 1800	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	99.7	99.7	99.7
IVV 1500	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 1200	99.6	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVV 1000	99.6	99.7	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	100.0
IVV 900	99.6	99.7	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	100.0
IVV 800	99.6	99.7	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	100.0
IVV 700	99.6	99.7	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	100.0
IVV 600	99.6	99.7	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	100.0
IVV 500	99.6	99.7	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	100.0
IVV 400	99.6	99.7	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	100.0
IVV 300	99.6	99.7	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	100.0
IVV 200	99.6	99.7	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	100.0
IVV 100	99.6	99.7	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	100.0
IVV 0	99.6	99.7	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	100.0

TOTAL NUMBER OF OBSERVATIONS 2464

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WHAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	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 18000 16000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 14000 12000	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	69.7
IV 10000 9000	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 8000 7000	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 6000 5000	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4500 4000	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	82.4	82.4	82.4
IV 3500 3000	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2500 2000	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800 1500	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200 1000	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900 800	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700 600	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2472

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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 18000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 16000	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
IV 14000	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	72.0	72.0
IV 12000	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 10000	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	74.9
IV 9000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 8000	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 7000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 6000	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	78.1
IV 5000	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	80.6	80.6	80.6
IV 4500	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	83.7
IV 4000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3500	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3000	95.2	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 2500	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	99.7	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 1500	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2386

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 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
IV 18000 16000	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	74.0
IV 14000 12000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 10000 9000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 8000 7000	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	76.9
IV 6000 5000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4500 4000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 3500 3000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2500 2000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1800 1500	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 1200 1000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 900 800	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 700 600	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500 400	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 300 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2355

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

# CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN ROGERS WBAS

40-48,50-66

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 20000	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	71.3
IV 18000	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	71.3
IV 16000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 14000	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 12000	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	74.0
IV 10000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 9000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 8000	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	75.3
IV 7000	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 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	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 4500	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 4000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3500	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3000	94.9	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 2500	98.3	98.9	98.9	98.9	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 2000	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.2	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	100.0	100.0
IV 1200	99.2	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	100.0	100.0
IV 1000	99.2	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	100.0	100.0
IV 900	99.2	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	100.0	100.0
IV 800	99.2	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	100.0	100.0
IV 700	99.2	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	100.0	100.0
IV 600	99.2	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	100.0	100.0
IV 500	99.2	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	100.0	100.0
IV 400	99.2	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	100.0	100.0
IV 300	99.2	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	100.0	100.0
IV 200	99.2	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	100.0	100.0
IV 100	99.2	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	100.0	100.0
IV 0	99.2	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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2289

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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 18000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
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	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	72.0	72.0
IV 10000	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	72.6	72.6
IV 9000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 8000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
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	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4000	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 3500	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3000	94.1	94.5	94.5	94.5	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 2500	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	98.6	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	99.7
IV 1800	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	98.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	98.7	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2289

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

# CEILING VERSUS VISIBILITY

22521 STATION HONOLULU OAHU/JOHN ROGERS WBAS 39-48.50-66 YEARS MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IVV 18000	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	67.1
IVV 16000	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	67.5
IVV 14000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IVV 12000	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	70.3
IVV 10000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IVV 9000	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IVV 8000	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	72.6
IVV 7000	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IVV 6000	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IVV 5000	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IVV 4500	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IVV 4000	84.3	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	84.5	84.5
IVV 3500	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IVV 3000	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IVV 2500	97.9	98.5	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	98.7
IVV 2000	98.7	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	99.5
IVV 1800	98.7	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IVV 1500	98.7	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVV 1200	98.7	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 1000	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 900	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 800	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 700	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 600	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 500	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 400	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 300	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 200	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 100	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 0	98.7	99.4	99.5	99.7	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 2380

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN ROGERS W8AS  
STATION NAME

39-48,50-66  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	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	62.3
IV 18000	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 16000	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 14000	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 12000	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 10000	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000	67.2	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 8000	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 7000	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 6000	70.1	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 5000	74.1	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	74.3	74.3
IV 4500	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	98.0	98.5	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	98.7
IV 2000	99.0	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.0	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	99.8	99.8
IV 1500	99.0	99.7	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	100.0
IV 1200	99.0	99.7	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	100.0
IV 1000	99.0	99.7	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	100.0
IV 900	99.0	99.7	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	100.0
IV 800	99.0	99.7	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	100.0
IV 700	99.0	99.7	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	100.0
IV 600	99.0	99.7	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	100.0
IV 500	99.0	99.7	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	100.0
IV 400	99.0	99.7	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	100.0
IV 300	99.0	99.7	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	100.0
IV 200	99.0	99.7	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	100.0
IV 100	99.0	99.7	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	100.0
IV 0	99.0	99.7	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	100.0

TOTAL NUMBER OF OBSERVATIONS 2385

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	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	67.1
IV 18000	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	67.5
IV 16000	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 14000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 12000	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 10000	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	71.8	71.8	71.8
IV 9000	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	72.0
IV 8000	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
IV 7000	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	73.0	73.0	73.0
IV 6000	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	74.7	74.7	74.7
IV 5000	78.7	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 4500	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0
IV 4000	84.0	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	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4
IV 3000	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0
IV 2500	98.9	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	99.2
IV 2000	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV C	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2386

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

# CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN ROGERS WBAS

39-48,50-66

AUG

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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
IVV 18000	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
IVV 16000	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	71.7
IVV 14000	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	73.0	73.0
IVV 12000	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
IVV 10000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IVV 9000	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
IVV 8000	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	76.8	76.8
IVV 7000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IVV 6000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IVV 5000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IVV 4500	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	84.4	84.4	84.4
IVV 4000	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	86.1	86.1
IVV 3500	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IVV 3000	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
IVV 2500	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	98.8	98.8	98.8
IVV 2000	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IVV 1800	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	99.7	99.7	99.7
IVV 1500	99.5	99.6	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	99.8
IVV 1200	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 1000	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 900	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 800	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 700	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 600	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 500	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 400	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 300	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 200	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 100	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVV 0	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2384

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS MBAS  
STATION NAME

39-48,50-66  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	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	71.5
IV 18000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 16000	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 14000	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 12000	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 10000	76.5	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	76.6	76.6
IV 9000	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 8000	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	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	79.6
IV 5000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4500	84.8	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 4000	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3000	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 2000	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	98.9	99.6	99.7	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 1500	98.9	99.6	99.7	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 1200	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2299

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L S F)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 20000	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	73.8
IV 18000	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	74.0
IV 16000	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 14000	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	74.7
IV 12000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 10000	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	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	77.5
IV 8000	77.6	77.6	77.6	77.6	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 7000	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 5000	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500	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	84.5	84.5
IV 4000	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	86.2	86.2	86.2
IV 3500	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3000	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2500	98.4	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 2000	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.2	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 1500	99.2	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 1200	99.3	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	99.3	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 900	99.3	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 800	99.3	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 700	99.3	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 600	99.3	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 500	99.3	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 400	99.3	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 300	99.3	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 200	99.3	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 100	99.3	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 0	99.3	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

TOTAL NUMBER OF OBSERVATIONS 2286

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

# CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

40-48,50-66

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 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	73.1
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	78.0	78.0	78.0	78.0	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 16000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 14000	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 12000	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 10000	80.7	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 9000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 8000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 7000	81.9	81.9	81.9	81.9	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 6000	83.8	83.8	83.8	83.8	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 5000	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 4500	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	89.8	89.8	89.8
IV 4000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3500	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 3000	96.6	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 2500	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	99.2	99.2	99.2
IV 2000	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	99.7	99.7	99.7
IV 1800	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2218

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS MBAS  
STATION NAME

40-48,50-66  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	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	72.0
IV 18000 16000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 14000 12000	77.6	77.6	77.6	77.6	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 10000 9000	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 8000 7000	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 6000 5000	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500 4000	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3500 3000	90.1	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	90.4	90.4
IV 2500 2000	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1800 1500	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200 1000	98.9	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 900 800	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700 600	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500 400	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300 200	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100 0	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2219

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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
IV 18000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 16000	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	74.0
IV 14000	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 12000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 10000	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 9000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 8000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 7000	80.5	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	80.6	80.6
IV 6000	83.0	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	83.1
IV 5000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4500	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	89.3	89.3	89.3
IV 4000	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	90.6	90.6	90.6
IV 3500	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 3000	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2500	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	99.6	99.6	99.6
IV 2000	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2308

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING N 20000	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	59.1
IV 18000 IV 16000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 14000 IV 12000	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	69.8
IV 10000 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	72.4
IV 8000 IV 7000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 6000 IV 5000	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	76.4	76.4	76.4
IV 4500 IV 4000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3500 IV 3000	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	86.8	86.8	86.8
IV 2500 IV 2000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800 IV 1500	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200 IV 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900 IV 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700 IV 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 IV 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 IV 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 IV 0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2309

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

# CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN ROGERS WBAS

39-48,50-66

SEP

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 18000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 16000	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
IV 14000	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 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	73.1
IV 10000	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	74.3	74.3	74.3
IV 9000	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 7000	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	76.4
IV 6000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 5000	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	82.0
IV 4500	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 4000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3500	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	89.3	89.3	89.3
IV 3000	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2500	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 2000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	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	100.0	100.0	100.0
IV 1000	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	100.0	100.0
IV 900	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	100.0	100.0
IV 800	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	100.0	100.0
IV 700	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	100.0	100.0
IV 600	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	100.0	100.0
IV 500	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	100.0	100.0
IV 400	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	100.0	100.0
IV 300	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	100.0	100.0
IV 200	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	100.0	100.0
IV 100	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	100.0	100.0
IV 0	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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2306

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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 18000	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	68.6	68.6
IV 16000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 14000	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 12000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 10000	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	74.5	74.5	74.5
IV 9000	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	74.9
IV 8000	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	75.4	75.4
IV 7000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 6000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 5000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 4000	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3500	90.3	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 3000	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 2500	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000	99.7	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 1800	99.7	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 1500	99.7	99.9	99.9	99.9	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 1200	99.7	99.9	99.9	99.9	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	99.7	99.9	99.9	99.9	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	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2310

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

# CEILING VERSUS VISIBILITY

22521

HONOLULU GAHU/JOHN RODGERS WBAS

39-48,50-66

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	68.4
IV 20000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 18000	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 16000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 14000	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	77.5	77.5
IV 12000	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
IV 10000	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
IV 9000	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 8000	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	80.9	80.9
IV 7000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
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	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4500	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 4000	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3500	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 3000	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	95.6	95.6	95.6
IV 2500	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2231

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

# CEILING VERSUS VISIBILITY

STATION 22521 HONOLULU CAHU/JOHN ROGERS WNAS YEARS 40-48,50-66

MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	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 18000 16000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 14000 12000	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	81.2	81.2
IV 10000 9000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 8000 7000	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	83.5
IV 6000 5000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4500 4000	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 3500 3000	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2500 2000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800 1500	99.7	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 1200 1000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 2218

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

40-48,50-66  
YEARS

GCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	67.4
≥ 20000	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
IVV 18000	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	72.6	72.6
IVV 16000	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
IVV 14000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IVV 12000	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
IVV 10000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IVV 9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IVV 8000	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
IVV 7000	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
IVV 6000	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	80.7	80.7
IVV 5000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IVV 4500	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IVV 4000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IVV 3500	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IVV 3000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IVV 2500	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVV 2000	98.9	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVV 1800	99.0	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	99.7	99.7
IVV 1500	99.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 1200	99.1	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	100.0	100.0
IVV 1000	99.1	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	100.0	100.0
IVV 900	99.1	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	100.0	100.0
IVV 800	99.1	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	100.0	100.0
IVV 700	99.1	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	100.0	100.0
IVV 600	99.1	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	100.0	100.0
IVV 500	99.1	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	100.0	100.0
IVV 400	99.1	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	100.0	100.0
IVV 300	99.1	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	100.0	100.0
IVV 200	99.1	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	100.0	100.0
IVV 100	99.1	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	100.0	100.0
IVV 0	99.1	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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2286

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 20000	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 18000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 16000	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	73.8
IV 14000	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	74.7
IV 12000	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	76.9
IV 10000	77.9	78.0	78.0	78.0	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 9000	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 8000	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	79.4	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 6000	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 5000	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	84.8	84.8	84.8
IV 4500	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 4000	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3500	91.9	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 3000	95.2	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 2500	97.8	98.4	98.4	98.4	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 2000	98.4	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	98.6	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.7	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	99.8	99.8
IV 700	98.7	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	99.8	99.8
IV 600	98.7	99.6	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 500	98.7	99.6	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 400	98.7	99.6	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 300	98.7	99.6	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 200	98.7	99.6	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 100	98.7	99.6	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 0	98.7	99.6	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

TOTAL NUMBER OF OBSERVATIONS 2296

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

STATION 22521 HONOLULU OAHU/JOHN RODGERS HNAS STATION NAME 39-48.50-66 YEARS CCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	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 18000	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	68.6	68.6
IV 16000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 14000	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	71.1
IV 12000	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	73.8
IV 10000	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 9000	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	76.4
IV 8000	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	77.6	77.6	77.6
IV 7000	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 6000	79.9	80.1	80.1	80.1	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 5000	83.6	83.8	83.8	83.8	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 4500	86.0	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 4000	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3500	90.1	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	90.4	90.4
IV 3000	94.8	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 2500	98.9	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 2000	98.7	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 1800	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2385

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

OCY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	63.2	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 18000	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 16000	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 12000	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 10000	70.5	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 9000	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7300	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	72.9	72.9
IV 7000	73.5	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
IV 6000	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	75.3	75.3
IV 5000	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	82.7	83.0	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 3500	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	92.9	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2500	97.7	98.5	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	98.7
IV 2000	98.4	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	98.5	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	98.5	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS... 2385

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	47.1 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5								
IVV 18000 16000	61.7 62.8	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9								
IVV 14000 12000	64.6 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5								
IVV 10000 9000	69.1 69.6	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7								
IVV 8000 7000	70.3 71.2	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3								
IVV 6000 5000	73.2 76.3	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4								
IVV 4500 4000	78.5 81.2	78.7 81.5	78.7 81.5	78.7 81.6	78.7 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6
IVV 3500 3000	85.0 92.8	85.4 93.2	85.4 93.4	85.5 93.4	85.5 93.4	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5
IVV 2500 2000	97.5 98.0	98.3 99.0	98.4 99.2	98.5 99.2	98.5 99.3	98.5 99.3	98.5 99.3	98.5 99.3	98.5 99.3	98.5 99.4	98.5 99.4	98.5 99.4	98.5 99.4	98.5 99.4	98.5 99.4	98.5 99.4
IVV 1800 1500	98.1 98.2	99.1 99.2	99.4 99.5	99.5 99.7	99.5 99.7	99.6 99.7	99.6 99.8	99.6 99.8	99.6 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8
IVV 1200 1000	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IVV 900 800	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IVV 700 600	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IVV 500 400	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IVV 300 200	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IVV 100 0	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	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 2379

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	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
IVV 18000	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
IVV 16000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IVV 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
IVV 12000	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	67.5
IVV 10000	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	69.1
IVV 9000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IVV 8000	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
IVV 7000	71.2	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
IVV 6000	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IVV 5000	78.0	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	78.2
IVV 4500	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IVV 4000	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IVV 3500	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IVV 3000	93.4	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IVV 2500	97.7	98.3	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVV 2000	98.2	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IVV 1800	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 1500	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 1200	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 1000	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 900	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 800	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 700	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 600	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 500	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 400	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 300	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 200	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 100	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 0	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2381

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN ROGERS WBAS  
STATION NAME

39-48,50-66  
YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	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 18000	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	67.5
IV 16000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 14000	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 12000	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
IV 10000	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	74.0
IV 9000	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	74.7
IV 8000	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	75.7	75.7
IV 7000	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 6000	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 4500	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 4000	85.3	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 3500	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3000	93.2	93.6	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 2500	98.1	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	98.8	98.8
IV 2000	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	98.6	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	98.8	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2324

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU DANU/JOHN RODGERS W8AS  
STATION NAME

39-48,50-66  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	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	72.3
IV 18000	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 16000	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
IV 14000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 12000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 10000	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	76.8	76.8
IV 9000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	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	78.1
IV 7000	78.7	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 6000	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 5000	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4500	86.4	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	86.7	86.7
IV 4000	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3500	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3000	94.4	94.7	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 2500	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000	98.6	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	98.7	99.3	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 1500	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.9	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2287

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

# CEILING VERSUS VISIBILITY

22521 HONOLULU CAHU/JOHN RODGERS WBAS 40-66 NOV  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 16000	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	69.1
IV 14000	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 12000	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	71.7
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	73.1
IV 9000	74.1	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 8000	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	74.7
IV 7000	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	75.4
IV 6000	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	76.9
IV 5000	80.3	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
IV 4500	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 4000	86.0	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	86.1
IV 3500	88.4	88.6	88.6	88.7	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 3000	94.2	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	98.0	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	98.7	99.4	99.5	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 1500	98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.7	99.6	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	99.8
IV 900	98.7	99.6	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	99.8
IV 800	98.7	99.6	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	99.8
IV 700	98.7	99.6	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	99.8
IV 600	98.7	99.6	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	99.8
IV 500	98.7	99.6	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	99.8
IV 400	98.7	99.6	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	99.8
IV 300	98.7	99.6	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	99.8
IV 200	98.7	99.6	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	99.8
IV 100	98.7	99.6	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	99.8
IV 0	98.7	99.6	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	99.8

TOTAL NUMBER OF OBSERVATIONS 2294

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WHAS  
STATION NAME

40-66  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.2	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
≥ 20000	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 18000	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 16000	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	72.6
IV 14000	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	73.3
IV 12000	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	75.2	75.2
IV 10000	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	76.6	76.6	76.6
IV 9000	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 8000	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	78.2	78.2	78.2
IV 7000	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	78.2	78.2	78.2
IV 6000	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 5000	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 4500	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4000	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 3500	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3000	94.3	94.6	94.6	94.7	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 2500	97.9	98.3	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	98.4	98.9	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	98.5	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	98.6	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.7	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	98.7	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.7	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.7	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	98.7	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	98.7	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	98.7	99.4	99.6	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	98.7	99.4	99.6	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	98.7	99.4	99.6	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	98.7	99.4	99.6	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	98.7	99.4	99.6	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	98.7	99.4	99.6	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 2298

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

# CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS MBAS

39-66

NCV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.9	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 20000	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 18000	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 16000	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 14000	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
IV 12000	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 10000	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000	74.5	74.6	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 8000	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 7000	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 6000	78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 5000	80.9	81.2	81.3	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 4500	84.6	84.9	84.9	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 4000	86.0	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3500	88.9	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	89.4	89.4
IV 3000	94.1	94.6	94.6	94.7	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 2500	97.2	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	97.8	98.6	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
IV 1800	97.9	98.7	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	99.2
IV 1500	98.0	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	98.1	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.1	99.2	99.4	99.6	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 900	98.1	99.2	99.4	99.6	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 800	98.1	99.2	99.4	99.6	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 700	98.1	99.2	99.4	99.6	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 600	98.1	99.2	99.4	99.6	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 500	98.1	99.2	99.4	99.6	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 400	98.1	99.2	99.4	99.6	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 300	98.1	99.2	99.4	99.6	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 200	98.1	99.2	99.4	99.6	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 100	98.1	99.2	99.4	99.6	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 0	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2388

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

NGV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	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	54.0
IV 18000	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
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	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	67.5
IV 12000	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 10000	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	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	72.8	72.9
IV 8000	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
IV 7000	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
IV 6000	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 5000	77.8	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	78.2
IV 4500	80.7	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	83.4	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9
IV 3500	86.8	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 3000	94.6	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
IV 2500	98.1	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
IV 2000	98.4	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	99.6
IV 1800	98.5	99.3	99.4	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 1500	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 1200	98.5	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 1000	98.5	99.5	99.7	99.7	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	98.5	99.5	99.7	99.7	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	98.5	99.5	99.7	99.7	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	98.5	99.5	99.7	99.7	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	98.5	99.5	99.7	99.7	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	98.5	99.5	99.7	99.7	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	98.5	99.5	99.7	99.7	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	98.5	99.5	99.7	99.7	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	98.5	99.5	99.7	99.7	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	98.5	99.5	99.7	99.7	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	98.5	99.5	99.7	99.7	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 2395

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

# CEILING VERSUS VISIBILITY

22521 HONOLULU GAHU/JOHN ROGERS WBAS

39-66

NOV

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ .	≥ 0
NO CEILING	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 20000	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 18000	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	62.2
IV 16000	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	62.9	62.9
IV 14000	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 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	69.0	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 9000	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 8000	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 7000	70.8	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
IV 6000	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 5000	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4500	77.6	78.0	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 4000	80.9	81.3	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 3500	84.0	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	84.5
IV 3000	93.2	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2500	98.1	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	98.5	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	98.5	99.2	99.5	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 1500	98.5	99.3	99.6	99.6	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	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2393

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	> 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	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 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	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 14000	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 12000	65.9	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
IV 10000	67.2	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 9000	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 8000	68.9	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
IV 7000	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 6000	71.2	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 5000	74.2	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	74.5	74.5
IV 4500	77.5	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 4000	80.1	80.4	80.4	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 3500	83.9	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 3000	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 2500	97.9	98.4	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 2000	98.2	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 1800	98.3	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	98.4	99.3	99.5	99.5	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	98.4	99.3	99.5	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 1000	98.5	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	99.8	99.8
IV 900	98.5	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.5	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	98.5	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	98.5	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 400	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 300	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	98.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2396

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

# CEILING VERSUS VISIBILITY

22921

HONOLULU OAHU/JOHN RODGERS WBAS

39-66

NOV

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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
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	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	67.5
IV 14000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 12000	70.5	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 10000	71.9	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	72.6	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	72.6
IV 8000	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7500	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 6000	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 4000	83.3	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 3500	85.5	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 3000	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	97.2	98.0	98.0	98.0	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 2000	98.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	98.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	98.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	98.3	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	99.7
IV 1000	98.4	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	99.8
IV 900	98.4	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	99.8
IV 800	98.4	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	99.8
IV 700	98.4	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	99.8
IV 600	98.4	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	99.8
IV 500	98.4	99.5	99.7	99.7	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	98.4	99.5	99.7	99.7	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	98.4	99.5	99.7	99.7	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	98.4	99.5	99.7	99.7	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	98.4	99.5	99.7	99.7	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	98.4	99.5	99.7	99.7	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

2342

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

# CEILING VERSUS VISIBILITY

STATION 22521 HONOLULU CAHU/JOHN RODGERS WBAS YEARS 40-66 MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
IV 20000	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	69.7
IV 18000	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
IV 16000	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 14000	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 12000	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	73.7	73.7
IV 10000	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	74.8	74.8	74.8
IV 9000	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 8000	75.5	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 7000	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 6000	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 5000	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4500	83.4	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 4000	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3500	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3000	94.0	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	97.6	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	98.4	98.4
IV 2000	98.4	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	98.4	99.3	99.5	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 1500	98.5	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.5	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.6	99.5	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	99.5	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	99.5	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	99.5	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	99.5	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	99.5	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 2306

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WNAS  
STATION NAME

40-66  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	58.1
IV 20000	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 18000	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	64.2	64.2	64.2
IV 16000	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 14000	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	67.1	67.1
IV 12000	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 10000	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	71.0
IV 9000	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	72.3	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
IV 7000	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	72.8	72.8
IV 6000	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 5000	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	80.2	80.4	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 4000	83.0	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 3500	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	91.8	92.4	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 2500	95.6	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 2000	96.6	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1800	97.1	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	97.2	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	97.4	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	97.4	99.1	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	97.4	99.1	99.3	99.7	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 800	97.4	99.1	99.3	99.7	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	97.4	99.1	99.3	99.7	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	97.4	99.1	99.3	99.7	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	97.4	99.1	99.3	99.7	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	97.4	99.1	99.3	99.7	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	97.4	99.1	99.3	99.7	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	97.4	99.1	99.3	99.7	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	97.4	99.1	99.3	99.7	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	97.4	99.1	99.3	99.7	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 2368

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

# CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN RODGERS WBAS

40-66

DEC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	58.4
≥ 20000	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	63.5
IV 18000	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 16000	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	64.4	64.4
IV 14000	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	66.3
IV 12000	68.2	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 10000	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
IV 9000	71.0	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 8000	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	72.1	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 6000	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	79.9	80.1	80.1	80.1	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 4000	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 3500	86.3	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000	91.6	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	95.4	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	96.7	96.7
IV 2000	96.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	97.1	98.4	98.7	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 1500	97.4	98.8	99.2	99.5	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	97.5	98.9	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.5	98.9	99.3	99.6	99.9	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 2369

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

# CEILING VERSUS VISIBILITY

22521  
STATION

MCNCLUU OAHU/JOHN RODGERS WBS

STATION NAME

39-66  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.9	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 20000	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	58.8
IV 18000	59.3	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
IV 16000	60.2	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 14000	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 12000	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	65.3	65.3
IV 10000	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	67.7	67.7
IV 9000	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	68.3	68.3
IV 8000	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 7000	69.6	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
IV 6000	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 5000	74.3	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	74.8	74.8
IV 4500	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4000	81.2	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500	84.8	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3000	91.0	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 2500	95.1	96.4	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	96.2	98.1	98.6	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	96.5	98.3	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	96.6	98.6	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	96.6	98.6	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	96.6	98.6	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	96.6	98.6	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	96.6	98.6	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	96.7	98.7	99.3	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 600	96.7	98.7	99.3	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 500	96.7	98.7	99.3	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 400	96.7	98.7	99.3	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	96.7	98.7	99.3	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	96.7	98.7	99.3	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	96.7	98.7	99.3	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 0	96.7	98.7	99.3	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 2477

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU GAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 18000	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	56.8	56.8	56.8
IV 16000	57.7	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	57.8
IV 14000	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	59.9	59.9	59.9
IV 12000	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 10000	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	64.9
IV 9000	65.2	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	65.5	65.5
IV 8000	66.7	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
IV 7000	67.1	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 6000	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 5000	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 4500	75.2	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 4000	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3500	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	90.8	91.4	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	96.1	97.2	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2000	96.9	98.3	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
IV 1800	97.0	98.5	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	97.1	98.6	99.0	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	97.2	98.7	99.1	99.4	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	97.2	98.7	99.1	99.4	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	97.2	98.8	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	97.2	98.8	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	97.3	98.8	99.2	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2475

4

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU OAHU/JOHN ROGERS WBAS  
STATION NAME

39-66  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 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	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
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	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 12000	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	61.3
IV 10000	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 9000	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
IV 8000	65.7	65.7	65.7	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
IV 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
IV 6000	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	67.7	67.7
IV 5000	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 4500	74.4	74.5	74.5	74.5	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	77.4	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	77.7
IV 3500	81.3	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3000	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	95.9	96.8	96.8	97.0	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 2000	97.1	98.3	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	97.3	98.4	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	98.9
IV 1500	97.5	98.7	98.8	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	97.5	98.7	98.9	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	97.5	98.9	99.0	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	97.5	98.9	99.0	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 800	97.5	98.9	99.0	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 700	97.5	98.9	99.0	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 600	97.5	98.9	99.0	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 500	97.5	98.9	99.0	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	97.5	98.9	99.0	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 300	97.5	98.9	99.0	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 200	97.5	98.9	99.0	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 100	97.5	98.9	99.0	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 0	97.5	98.9	99.0	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

TOTAL NUMBER OF OBSERVATIONS 2473

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONGLULU GAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	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	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
IV 16000	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 14000	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 12000	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 10000	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	65.3	65.3
IV 9000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 8000	66.9	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 7000	67.2	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 6000	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
IV 5000	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 4500	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4000	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	78.1
IV 3500	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3000	89.7	90.0	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 2500	95.7	96.4	96.6	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 2000	97.0	98.3	98.5	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 1800	97.3	98.7	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	97.5	98.9	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	97.5	98.9	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	97.5	98.9	99.2	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 900	97.5	98.9	99.2	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 800	97.5	98.9	99.2	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 700	97.5	98.9	99.2	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 600	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 500	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 400	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 300	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2467

4  
 DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN ROGERS WBAS  
STATION NAME

39-66  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 1/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	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
IVV 18000	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	62.2
IVV 16000	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
IVV 14000	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
IVV 12000	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
IVV 10000	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IVV 9000	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IVV 8000	70.8	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
IVV 7000	71.3	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
IVV 6000	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IVV 5000	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IVV 4500	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IVV 4000	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IVV 3500	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IVV 3000	90.2	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IVV 2500	96.0	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IVV 2000	96.7	98.3	98.5	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
IVV 1800	96.8	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IVV 1500	97.0	98.7	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	99.2
IVV 1200	97.0	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IVV 1000	97.0	98.9	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVV 900	97.0	98.9	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVV 800	97.0	98.9	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IVV 700	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 600	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IVV 500	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IVV 400	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IVV 300	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IVV 200	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IVV 100	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IVV 0	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2398

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

# CEILING VERSUS VISIBILITY

22521  
STATION

HONOLULU CAHU/JOHN RODGERS WBAS  
STATION NAME

39-66  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	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 18000	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 16000	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 14000	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
IV 12000	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 10000	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	70.2
IV 9000	70.4	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 8000	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	71.5	71.5
IV 7000	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 6000	73.0	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	76.7	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	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4000	83.1	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 3500	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	91.0	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	92.1	92.1
IV 2500	96.0	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	97.0	98.4	98.5	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 1800	97.1	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	98.9
IV 1500	97.2	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	97.3	98.9	99.2	99.5	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	97.5	99.1	99.3	99.6	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 900	97.5	99.1	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.5	99.1	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.5	99.1	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.5	99.1	99.3	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 500	97.5	99.1	99.3	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 400	97.5	99.1	99.3	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	97.5	99.1	99.3	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	97.5	99.1	99.3	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	97.5	99.1	99.3	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 0	97.5	99.1	99.3	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 2369

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

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

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

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

SKY COVER

22521 HONOLULU DANU/JOHN RODGERS W DAS 46-67 ALL  
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	13.0	9.8	9.4	8.8	7.2	6.1	5.3	7.0	7.7	6.5	19.2	5.1	14827
FEB		10.4	9.7	9.2	9.1	7.7	7.0	6.2	7.0	7.7	7.4	18.8	5.2	13545
MAR		8.3	9.2	9.5	10.6	7.8	7.2	5.9	7.2	7.3	7.0	19.9	5.2	14350
APR		5.7	7.3	8.5	10.0	8.4	7.7	7.2	8.0	6.6	7.7	20.8	5.7	14374
MAY		5.6	8.2	9.1	10.2	9.0	7.5	6.0	8.5	9.3	8.6	17.1	5.5	14662
JUN		5.3	8.1	9.4	11.5	10.2	9.4	7.9	10.1	10.1	8.3	9.7	5.2	14147
JUL		4.5	9.1	11.4	12.4	10.7	10.6	8.7	9.5	9.5	6.8	9.8	4.2	14599
AUG		4.7	8.9	11.1	12.2	9.9	8.9	8.5	9.3	9.6	7.6	9.4	5.1	13864
SEP		8.8	11.2	12.4	12.3	10.2	8.4	7.0	7.9	8.0	5.9	7.8	4.5	13475
OCT		7.7	10.2	10.3	11.7	9.1	7.2	7.3	8.0	8.1	7.2	13.4	5.0	13868
NOV		6.1	9.2	9.3	10.5	8.3	8.1	7.6	7.7	8.4	7.3	13.4	5.2	14066
DEC		10.5	8.5	7.8	9.0	7.9	7.1	6.2	7.8	6.6	7.4	19.2	5.4	14424
TOTALS		7.7	9.1	9.8	10.7	8.9	7.9	7.0	8.2	8.6	7.3	14.8	5.2	170401

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

### SKY COVER

22521 HONOLULU OAHU/JOHN RODGERS, PAS 46-67 JAN  
STATION STATION NAME PERIOD MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	18.5	11.3	9.5	8.9	7.3	5.6	5.4	5.9	6.3	4.7	16.7	4.5	1859
	03-05	19.9	9.9	9.6	8.7	6.8	5.1	5.5	6.3	7.0	5.0	17.0	4.5	1852
	06-08	14.1	10.8	7.8	7.6	7.0	6.3	4.7	7.9	7.7	7.4	18.6	9.1	1853
	09-11	10.7	8.8	8.2	9.0	7.4	6.7	9.3	7.9	8.5	7.0	20.8	3.4	1854
	12-14	5.3	8.4	10.5	9.6	7.8	6.9	6.2	7.7	9.4	7.5	20.9	5.6	1853
	15-17	6.9	8.3	10.2	9.3	6.2	6.4	4.7	7.3	8.4	8.8	21.7	5.6	1852
	18-20	12.4	9.3	9.4	9.6	7.3	5.9	5.0	6.5	8.1	6.4	20.1	5.1	1855
	21-23	16.5	11.1	10.1	8.2	6.7	5.8	5.4	6.4	6.4	9.0	18.3	4.7	1853
TOTALS		13.6	9.8	9.4	8.8	7.3	6.1	5.3	7.0	7.7	6.5	19.2	5.1	16827



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

**SKY COVER**

22521 HONOLULU DANIEL JOHN RODGERS WEGAS 6a-67 MAR  
 STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	14.8	12.2	10.2	10.0	7.3	6.1	4.7	5.6	6.1	4.4	18.7	4.6	1859
	03-05	14.6	11.7	11.3	9.3	6.6	6.6	5.3	5.8	5.8	4.8	18.1	4.6	1857
	06-08	8.5	10.5	10.6	9.3	6.0	6.8	4.8	8.8	7.8	7.6	19.2	5.3	1858
	09-11	3.9	7.1	8.0	10.2	10.2	7.5	7.8	7.5	9.0	8.7	19.3	5.8	1857
	12-14	2.5	5.4	7.5	11.5	8.9	10.1	7.3	8.1	9.1	8.5	21.1	6.0	1857
	15-17	2.5	6.7	7.1	11.8	9.4	8.0	5.0	7.9	8.1	9.6	24.1	6.1	1853
	18-20	7.2	9.3	11.3	10.8	6.5	5.9	5.9	7.5	7.3	7.6	20.8	5.4	1858
	21-23	12.5	10.9	10.1	11.2	7.4	6.1	7.0	6.5	5.6	4.6	18.0	4.8	1854
TOTALS		8.3	9.2	9.5	10.6	7.8	7.2	5.9	7.2	7.3	7.0	19.9	5.3	14850

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 ASHEVILLE, N.C. 28601

SKY COVER

22521 HONOLULU OAHU/JOHN RODGERS MBAS 49-67 APR  
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	10.8	9.5	10.3	9.1	7.1	7.7	8.9	7.3	7.6	5.8	17.8	5.1	1793
	03-05	11.5	8.3	8.0	10.0	6.7	6.9	6.9	8.8	8.6	6.6	17.8	5.2	1793
	06-08	4.8	9.4	8.4	9.3	7.5	8.5	6.7	7.9	9.0	10.3	20.7	5.8	1794
	07-11	1.6	4.9	6.9	10.2	8.6	9.2	9.3	8.6	9.7	9.4	21.3	6.2	1800
	12-14	.9	4.2	7.1	12.1	9.5	9.3	7.6	8.2	9.6	9.5	22.1	6.3	1797
	15-17	1.5	5.2	8.4	10.0	9.5	8.3	6.7	8.4	8.4	9.6	23.8	6.2	1799
	18-20	5.1	8.4	9.3	8.8	9.4	6.9	7.1	7.4	7.7	6.3	23.6	5.7	1799
	21-23	9.8	8.6	9.4	10.3	8.6	7.8	6.6	7.4	7.6	4.2	19.6	5.2	1799
TOTALS		5.7	7.3	8.5	10.0	8.4	7.7	7.2	8.0	8.6	7.7	20.8	5.7	14374

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## SKY COVER

22521 STATION HONOLULU OAHU/JOHN RODGERS LAS STATION NAME 46-67 PERIOD MAY MONTH

### PERCENTAGE FREQUENCY OF OCCURENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	10.3	11.3	11.3	11.8	8.9	6.1	6.4	8.4	8.2	5.1	12.4	4.7	1839
	03-05	11.8	9.7	10.2	10.1	9.4	6.1	6.5	8.1	7.7	6.7	13.6	4.8	1833
	06-08	4.6	9.4	9.1	10.4	7.3	6.8	5.3	9.9	9.7	9.7	18.8	5.7	1838
	09-11	1.4	5.2	8.2	9.3	10.4	9.8	8.2	9.2	10.2	10.1	18.2	6.1	1840
	12-14	.9	4.9	8.4	8.7	8.1	9.9	7.2	9.1	11.7	11.5	19.6	6.3	1842
	15-17	1.4	6.4	6.5	10.3	9.3	7.1	7.3	9.0	9.0	11.7	21.9	6.3	1841
	18-20	4.6	9.0	9.3	10.7	8.2	6.6	7.2	7.7	10.0	8.1	18.6	5.6	1837
	21-23	9.7	10.4	9.4	9.7	10.5	7.3	7.0	7.4	8.3	6.1	14.0	4.9	1839
TOTALS		5.6	8.3	9.1	10.2	9.0	7.5	6.9	8.5	9.3	8.6	17.1	5.9	14709



SKY COVER

4 DATA PROCESSING DIVISION  
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ASHEVILLE, N.C. 28801

22521 STATION

HONOLULU NAHU/JOHN RODGERS MBAS STATION NAME

46-00 PERIOD

JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	6.3	11.5	12.6	12.1	10.0	10.0	9.0	9.2	8.0	4.1	5.1	4.3	1821
	03-05	6.7	11.5	12.0	11.0	10.6	9.8	8.1	8.2	7.7	5.6	6.6	4.5	1822
	06-08	4.2	10.2	10.8	12.0	9.2	9.1	8.6	10.3	10.4	8.1	7.0	5.0	1823
	09-11	1.5	5.9	9.7	13.2	10.0	11.2	10.6	10.9	11.3	9.2	6.6	5.4	1824
	12-14	6.8	5.0	10.1	13.3	11.6	14.0	9.3	11.0	10.0	7.7	7.1	5.4	1813
	15-17	2.0	7.2	11.3	11.6	11.7	11.5	7.7	8.9	11.0	9.6	7.9	5.3	1822
	18-20	4.2	9.2	11.4	12.6	10.6	10.3	8.1	8.6	9.9	5.1	8.7	5.0	1822
	21-23	6.2	12.8	13.9	13.4	11.3	9.2	8.1	8.8	7.4	3.7	5.9	4.3	1814
TOTALS		4.7	9.1	11.4	12.4	10.7	10.6	8.7	9.5	9.5	6.8	6.8	4.9	14559

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DATA PROCESSING DIVISION  
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ASHEVILLE, N.C. 28801

### SKY COVER

22521 HONOLULU OAHU/JOHN RODGERS WBAS 46-48,50-66 AUG  
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	8.9	11.9	11.6	12.4	9.9	8.2	4.0	7.5	7.8	4.9	6.9	4.5	1735
	03-05	10.7	12.9	10.6	10.3	8.8	6.3	7.5	8.5	8.4	5.6	8.3	4.5	1731
	06-08	5.6	9.8	9.7	11.2	9.3	7.6	7.5	8.6	11.1	9.3	10.4	5.2	1729
	09-11	1.4	5.4	9.3	12.9	9.9	9.6	9.3	12.0	11.0	10.0	9.1	5.6	1734
	12-14	.8	4.8	9.7	12.8	11.3	11.5	8.8	10.7	11.6	8.2	9.9	5.6	1736
	15-17	1.4	5.9	11.6	12.6	10.3	9.6	8.2	9.1	10.1	9.6	11.4	5.5	1734
	18-20	2.3	9.1	13.3	11.8	9.7	8.2	8.7	9.7	9.5	8.0	9.7	5.2	1734
	21-23	6.2	11.3	12.8	13.5	10.4	7.9	9.8	8.5	7.5	4.9	7.3	4.5	1731
TOTALS		4.7	8.7	11.1	12.2	9.9	8.7	8.5	9.3	9.6	7.6	9.4	5.1	13264

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DATA PROCESSING DIVISION  
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# SKY COVER

27521  
STATION

HONOLULU OAHU/JOHN RODGERS BAS  
STATION NAME

46-48, 50-66  
PERIOD

-LP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SLP	00-2	15.7	14.3	12.9	12.5	8.2	6.6	5.0	6.2	7.0	3.9	7.0	3.8	1679
	03-05	18.2	12.3	12.8	10.7	8.6	6.7	6.7	6.7	6.7	3.6	7.0	3.8	1680
	06-08	10.1	12.0	13.2	11.4	9.2	7.3	5.3	7.5	9.5	7.3	7.3	4.4	1679
	09-11	1.9	8.6	12.0	13.0	11.4	10.5	9.6	8.2	8.5	7.7	8.3	5.1	1679
	12-14	1.1	5.9	11.0	12.1	13.4	11.0	8.1	10.3	10.3	8.1	8.5	5.4	1676
	15-17	2.6	8.3	11.5	13.4	11.0	9.4	6.7	8.5	9.8	8.5	9.8	5.2	1680
	18-20	8.2	13.3	12.4	12.2	10.3	8.3	7.0	8.2	6.4	5.2	6.5	4.4	1677
	21-23	12.9	15.7	13.6	13.3	9.4	6.9	6.6	7.1	5.7	2.7	6.0	3.7	1676
TOTALS		8.8	11.3	12.4	12.3	10.2	8.4	7.0	7.9	8.0	5.9	7.8	4.5	13428

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

SKY COVER

22521 HONOLULU OAHU/JOHN RODGERS WBAS 46-48, 50-66 OCT  
 STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	14.7	15.0	11.4	11.6	8.5	4.9	6.3	5.5	5.9	3.8	12.3	4.1	1735
	03-05	14.9	12.6	11.0	12.6	9.6	5.7	7.4	7.0	5.8	4.6	9.0	4.1	1736
	06-08	8.7	10.0	10.9	10.8	7.4	8.2	6.5	8.0	8.6	8.2	12.9	5.0	1735
	09-11	3.4	8.2	9.9	12.5	9.4	8.0	6.7	8.8	9.1	8.1	14.0	5.4	1734
	12-14	1.4	6.0	9.8	12.2	10.8	8.1	8.3	9.2	9.0	10.3	15.1	5.8	1730
	15-17	2.0	7.4	7.5	11.0	9.3	7.8	7.1	9.5	10.9	10.5	17.0	5.9	1735
	18-20	5.2	10.7	9.4	11.0	9.3	7.3	7.4	9.4	8.8	7.0	14.6	5.3	1735
	21-23	10.9	11.6	12.2	12.0	8.5	7.6	6.8	6.4	6.6	5.7	12.1	4.5	1728
TOTALS		7.7	10.2	10.3	11.7	9.1	7.2	7.3	8.0	8.1	7.2	13.4	5.0	13268

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

SKY COVER

22521 HONOLULU OAHU/JOHN RODGERS WBASE 46-61 NOV  
 STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	14.6	10.4	8.9	10.1	6.9	6.4	8.3	8.4	7.3	5.4	13.3	4.7	1797
	03-05	14.7	10.8	11.4	10.9	8.5	8.2	6.6	5.8	6.9	4.4	11.8	4.2	1758
	06-08	9.2	11.0	9.7	10.3	7.5	6.9	7.2	7.3	9.8	7.5	13.5	5.0	1759
	09-11	3.8	8.3	8.1	13.1	9.3	9.6	8.9	7.2	7.7	8.4	15.4	5.5	1767
	12-14	1.1	6.5	9.6	9.5	11.2	9.1	7.7	8.6	10.2	9.1	17.7	5.9	1766
	15-17	2.7	6.6	7.8	10.7	6.8	9.3	6.3	9.2	10.0	10.5	20.1	6.1	1767
	18-20	6.5	10.1	8.6	10.4	8.3	8.2	7.7	8.0	8.7	7.5	10.2	5.3	1766
	21-23	12.3	10.2	10.4	9.2	8.0	7.3	7.8	7.4	6.9	5.6	15.0	4.8	1766
TOTALS		8.1	9.2	9.3	10.5	8.3	8.1	7.6	7.7	8.4	7.3	15.4	5.2	14106

DATA PROCESSING DIVISION  
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ASHEVILLE, N.C. 28801

**SKY COVER**

22521 STATION HONOLULU GAMI/JOHN RODGERS WNAS 48-66 PERIOD DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	15.8	8.2	8.7	10.3	7.9	6.9	5.7	7.4	6.4	4.6	18.0	4.8	1829
	03-05	16.7	9.0	8.5	10.2	6.6	5.9	6.3	7.3	6.8	4.8	17.9	4.8	1820
	06-08	11.3	8.1	7.1	7.7	6.7	7.5	6.3	8.0	6.7	9.0	19.6	5.5	1829
	09-11	7.5	8.3	7.4	8.6	7.1	7.5	7.0	8.8	10.0	8.7	19.0	5.7	1828
	12-14	3.4	7.4	6.1	9.8	8.7	9.4	6.7	8.4	10.0	9.1	20.9	6.0	1827
	15-17	4.8	8.4	6.9	8.2	9.1	6.8	6.0	9.3	9.0	10.7	20.7	5.0	1827
	18-20	11.4	8.9	8.3	9.0	8.3	6.8	5.9	6.3	8.5	6.3	20.4	5.3	1828
	21-23	13.4	9.1	9.3	8.5	8.5	6.0	6.0	6.8	9.1	6.1	17.2	5.0	1827
TOTALS		10.5	8.5	7.8	9.0	7.9	7.1	6.2	7.3	8.6	7.4	19.2	5.4	14624

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

## PART E PSYCHROMETRIC SUMMARIES

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

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
  
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
  
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes; spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

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

- 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 ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING DIVISION  
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 ASHEVILLE, N. C. 28801

## DAILY TEMPERATURES

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-67  
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP. (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90		.1			.3	1.0	1.6	5.7	5.1	2.5	.4		1.4
85	2.0	1.5	3.9	7.5	22.5	52.5	66.7	81.5	83.8	60.7	24.4	2.4	33.6
80	57.3	52.8	58.9	75.8	92.4	99.6	99.8	99.9	99.9	98.7	91.1	63.1	82.2
75	96.5	94.4	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	99.8	97.6	98.6
70	100.0	100.0	99.9	100.0							100.0	100.0	99.9
65			100.0										100.0
MEAN	79.6	79.3	79.9	81.1	82.9	84.5	85.3	86.1	86.2	85.0	82.7	80.1	82.7
S.D.	2.594	2.820	2.782	2.394	2.343	2.077	1.899	2.010	1.949	2.311	2.525	2.541	3.472
TOTAL OBS	868	791	868	840	863	810	835	806	810	637	840	868	10041

1210 WS FORM 0-21 5 (Dat 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

### DAILY TEMPERATURES

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-67  
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75	.1			.2	.6	7.4	19.4	34.0	26.9	13.7	2.6	.9	4.6
70	12.4	12.4	18.7	34.9	63.7	91.7	96.8	98.5	92.2	82.9	59.8	31.1	57.4
65	60.5	65.6	76.0	91.8	99.0	100.0	100.0	100.0	100.0	99.5	95.2	82.0	89.0
60	96.5	94.4	97.3	99.9	100.0					100.0	99.6	98.7	98.7
55	100.0	100.0	100.0	100.0							100.0	99.9	99.9
50												100.0	100.0
MEAN	65.5	65.6	66.5	68.2	70.0	72.0	73.0	73.7	73.0	71.9	69.8	67.5	69.7
S.D.	3.374	3.365	3.186	2.576	2.178	1.733	1.823	1.808	2.210	2.495	2.950	3.270	3.712
TOTAL OBS.	868	791	868	840	868	810	835	806	810	837	840	868	1004

1210 WS FORM 0-21-5 (Dat 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

### DAILY TEMPERATURES

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-67

STATION

STATION NAME

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

TEMP. (°F)	JAN.	FEB	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
85								.1	.4				.0
80				.2	4.6	28.8	47.9	70.0	61.0	33.6	4.6	.5	20.5
75	23.3	25.0	35.6	58.7	86.0	99.6	99.9	100.0	100.0	98.2	84.4	43.9	71.0
70	92.9	88.7	92.9	99.2	100.0	100.0	100.0			100.0	99.4	97.0	97.4
65	100.0	99.7	100.0	100.0							100.0	100.0	99.9
60		100.0											100.0
MEAN	72.8	72.7	73.4	74.9	76.7	78.5	79.4	80.1	79.8	78.6	76.4	74.0	76.4
S.D.	2.253	2.476	2.441	2.014	1.785	1.592	1.527	1.511	1.663	1.800	2.072	2.193	3.343
TOTAL OBS	168	791	868	800	868	810	835	806	810	837	840	868	10041

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

# EXTREME VALUES

MAXIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

22521 HONOLULU OAHU/JOHN RODGERS W245 19-67  
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39						84	85	86	87	85	82	82	
40	82	83	85	85	87	86	88	86	88	90	88	84	90
41	83	82	82	85	85	88	88	90	91	90	90	86	91
42	88	90	81	82	88				89	89	88	84	
43	86	83	86	86	86	87	87	88	88	88	86	84	88
44	85	85	82	83	86	86	88	88	89	88	86	84	89
45	83	85	86	86	90	77	91	92	90	90	88	87	92
46	85	84	85	85	90	72	90	92	92	89	90	88	92
47	84	84	85	86	87	88	90	89	89	88	88	84	90
48	82	81	82	84	85	86	88	89	89	87	85	80	89
49	81	81	81	80	85	85					83	82	
50	82	82	83	82	84	86	85	87	87	87	86	83	87
51	82	83	83	83	84	86	87	89	88	87	85	82	89
52	82	82	81	81	83	84	85	88	86	85	84	81	88
53	83	84	83	84	85	85	85	88	87	86	82	81	88
54	85	82	84	85	84	85	85	88	87	86	86	83	88
55	83	80	81	82	82	83	85	85	86	84	84	83	86
56	84	82	82	85	84	84	87	88	87	86	85	84	88
57	84	81	81	85	86	87	87	90	88	90	87	86	90
58	84	86	85	86	83	86	88	87	88	88	89	84	89
59	86	83	85	86	88	88	89	92	92	90	88	85	92
60	83	84	89	85	85	89	87	89	89	90	87	87	90
61	85	85	86	85	87	87	89	88	90	91	87	86	91
62	84	85	84	86	86	88	89	87	88	88	86	84	89
63	81	84	83	84	87	87	89	91	91	88	89	84	91
64	83	84	84	86	85	87	87	90	89	88	86	84	90
65	81	80	83	85	86	86	89	89	93	91	88	83	93
66	83	84	86	86	90	90	90	91	93	92	87	85	93
67	84	84	83	88	88								
MEAN	83.5	83.4	83.6	84.5	85.9	86.7	87.6	88.8	88.9	88.2	86.4	84.0	89.7
S D	1.667	2.006	2.006	1.816	2.107	2.212	1.813	1.812	1.999	2.039	2.150	1.905	1.838
TOTAL OBS.	868	791	868	840	869	810	806	806	810	837	840	868	10612

# EXTREME VALUES

## MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

**22521**  
STATION

**HONOLULU OAHU/JOHN RODGERS WBAS**  
STATION NAME

\_\_\_\_\_  
YEARS

### WHOLE DEGREES FAHRENHEIT (LESS THAN FULL MONTH)

MONTH YEAR	JAN	FEB.	MAR	APR.	MAY	JUN.	JUL	AUG.	SEP	OCT.	NOV.	DEC	ALL MONTHS
<b>42</b>							<b>85</b> <b>1</b>						<b>DAYS</b>
<b>49</b>							<b>87</b> <b>28</b>						<b>DAYS</b>
MEAN													
S. D													
TOTAL OBS													

4  
 DATA PROCESSING DIVISION  
 ITAC, USAF  
 ASHEVILLE, N.C. 28601

**EXTREME VALUES**

MINIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

22921 STATION HONOLULU OAH//JOHN RODGERS WNAS STATION NAME 39-67 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39						68	67	68	66	68	66	67	
40	58	57	59	65	68	69	70	72	68	68	65	63	57
41	60	56	60	63	65	66	70	69	71	67	60	59	56
42	58	60	58	60	66				71	68	68	63	
43	59	57	57	63	58	70	70	72	68	68	62	62	57
44	32	60	60	64	65	69	70	70	66	66	60	61	60
45	58	60	64	60	65	70	68	70	68	65	64	59	58
46	60	62	65	63	63	70	70	70	70	62	60	59	59
47	57	60	62	64	57	68	71	69	70	69	65	61	57
48	60	59	63	61	67	69	71	71	72	70	65	66	59
49	61	62	62	64	65	69					62	61	
50	62	64	63	65	66	67	69	69	67	68	64	60	60
51	60	57	62	62	67	66	70	72	69	69	70	60	57
52	60	63	61	65	63	70	71	72	69	68	67	62	60
53	59	62	61	65	68	70	70	70	69	66	64	57	57
54	59	58	57	61	64	71	70	72	69	65	66	57	57
55	61	61	55	66	68	65	66	68	68	64	63	63	55
56	62	62	61	62	67	69	68	71	69	68	64	59	59
57	61	58	57	60	64	67	71	69	67	69	69	62	57
58	60	59	56	56	67	68	68	70	69	66	59	56	56
59	56	59	62	63	65	66	69	70	71	68	66	63	56
60	58	56	59	64	66	70	70	72	70	68	65	62	56
61	59	63	64	62	70	69	69	71	70	67	66	64	59
62	63	55	62	65	66	69	70	71	69	64	63	54	54
63	56	58	60	66	65	67	69	70	68	65	64	61	56
64	54	64	62	66	65	65	69	70	70	66	61	64	61
65	61	57	58	62	67	70	70	67	68	65	67	63	57
66	59	57	62	60	65	72	71	70	71	66	66	62	57
67	59	62	61	62	68								
MEAN	59.7	59.6	60.5	62.8	60.1	68.6	69.5	70.2	69.0	66.8	64.3	61.1	57.5
S. D.	1.941	2.602	2.575	2.342	1.676	1.761	1.273	1.386	1.544	1.688	2.776	2.833	1.735
TOTAL OBS	868	791	868	840	868	810	806	806	810	837	840	868	10012

# EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

22521  
STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
STATION NAME

\_\_\_\_\_  
YEARS

## WHOLE DEGREES FAHRENHEIT (LESS THAN FULL MONTH)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
42							73						DAYS
49							69 28						DAYS
MEAN													
S. D.													
TOTAL OBS.													

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

# PSYCHROMETRIC SUMMARY

22521 HONOLULU DAHU/JOHN RODGERS WBAS 19-67

ALL MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL DB/WB	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point	
92/ 91								.0		.0								5	5			
90/ 89					.0	.0	.0	.0	.0	.0								138	138			
88/ 87				.0	.0	.0	.1	.2	.2	.0	.0							1166	1166			
86/ 85			.0	.0	.0	.2	.7	1.1	.5	.0								5547	5551			
84/ 83			.0	.0	.2	1.0	2.2	2.1	.3	.0	.0							13070	13072	1		
82/ 81	.0	.0	.1	.8	2.4	3.4	1.4	.2	.0									18412	18412	8	3	
80/ 79	.0	.1	.6	2.5	4.1	2.8	.7	.1	.0									24726	24729	41	11	
78/ 77	.1	.5	2.5	6.4	4.0	1.7	.4	.0	.0	.0								34641	34646	294	40	
76/ 75	.0	.2	1.5	5.6	6.8	2.7	.8	.2	.0	.0								39711	39717	2584	249	
74/ 73	.0	.4	2.4	5.0	4.4	1.3	.4	.1	.0	.0								31349	31352	1455	1504	
72/ 71	.0	.8	2.7	3.9	2.5	.6	.1	.0	.0									23943	23945	5915	5654	
70/ 69	.0	1.0	2.4	2.1	.9	.4	.1	.0	.0									15230	15236	1336	1818	
68/ 67	.0	.9	1.6	.6	.3	.1	.0	.0										7898	7900	50186	37240	
66/ 65	.0	.6	.9	.3	.1	.0	.0	.0										4319	4319	33647	49790	
64/ 63	.0	.4	.4	.1	.0	.0	.0											2005	2005	16196	46725	
62/ 61	.0	.1	.2	.0	.0	.0												737	737	7094	31232	
60/ 59	.0	.1	.0	.0														224	224	3019	17399	
58/ 57	.0	.0	.0															68	68	1035	7987	
56/ 55	.0	.0																2	2	307	4095	
54/ 53																				68	2002	
52/ 51																				4	856	
50/ 49																				1	390	
48/ 47																					143	
46/ 45																					54	
44/ 43																					15	
42/ 41																					2	
40/ 39																					1	
Element (X)	ΣX²		ΣX		X̄		sₓ		% Obs.		Mean No. of Hours with Temperature						Total					
Rel Hum.											≤ 50 F	51-60 F	61-70 F	71-80 F	81-90 F	≥ 90 F						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

FORM 1210 WS JUL 64 0-26-5 (Rev 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28861

# PSYCHROMETRIC SUMMARY

22521 HONOLULU GAHU/JOHN RODGERS WBAS 40-67

JAN  
MONTH

STATION

STATION NAME

YEARS

PAGE 1 ALL  
HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL DB/WB	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb		Dew Point		
86/ 85							.0	.0	.0	.0								10	10				
84/ 83						.0	.1	.2	.0	.0								91	91				
82/ 81				.0	.3	.7	.9	.5	.1	.0								476	476				
80/ 79		.0		.3	1.1	2.4	2.3	.9	.7	.0								1342	1342				
78/ 77			.1	1.0	2.5	3.5	2.6	1.1	.1									2022	2022		1		
76/ 75		.1	1.6	2.7	3.7	3.3	1.6	.5	.1	.0								2476	2476		7		
74/ 73		.5	2.3	4.5	4.6	2.2	.9	.1										2815	2815	259	19		
72/ 71	.1	1.4	3.3	5.0	3.5	1.3	.4	.0										2772	2773	1220	236		
70/ 69	.2	2.7	4.2	3.7	1.9	.9	.1	.0										2553	2553	2770	1067		
68/ 67	.2	2.6	3.8	1.4	.8	.3	.0											1700	1700	4160	1828		
66/ 65	.1	2.6	3.0	.7	.2	.0												1219	1219	4367	2775		
64/ 63	.0	1.9	1.7	.2	.0													721	721	2933	3587		
62/ 61	.0	.7	.6	.0														267	267	1750	3453		
60/ 59		.2	.2	.0														63	63	808	2633		
58/ 57		.0	.0															11	11	220	1438		
56/ 55																				40	852		
54/ 53																				4	439		
52/ 51																					154		
50/ 49																					44		
48/ 47																					11		
46/ 45																					3		
TOTAL	.5	12.8	20.8	19.5	18.7	14.7	8.9	3.4	.6	.1								18538	18539	18539	18539		
Element (X)	Σx <sup>2</sup>		Σx		$\bar{x}$	$\sigma_x$	No Obs.		Mean No of Hours with Temperature														
Rel. Hum.	100078698		1341620		72.4	12.698	18539		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	97576958		1341748		72.4	4.753	18539				652.5	370.5	47.9		744.0								
Wet Bulb	80966734		1223444		66.0	3.507	18539				337.7	10.7			744.0								
Dew Point	72744703		1158805		62.5	4.103	18539				126.4	.8			744.0								

FORM 1210 WS JUL 64 0-26-5 (Dkt 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

22521 HONOLULU OAHU/JOHN RODGERS W:AS 4C-67 FEB MONTH

STATION

STATION NAME

YEARS

MONTH

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

FORM 1210 WS JUL 64 0-26-5 (Rev 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL DB./WB	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
86/ 85							.0		.0									6	6		
84/ 83						.0	.3	.2	.0	.0								64	84		
82/ 81				.0	.1	.8	.8	.4	.2	.0								382	382		
80/ 79				.1	.5	2.2	2.6	.8	.2	.0								1137	1138		
78/ 77		.0	.0	.6	2.4	3.8	2.4	.8	.1	.0								1749	1751		
76/ 75		.0	.5	1.9	3.6	2.9	1.9	.6	.1	.0								1972	1972		
74/ 73		.1	1.6	4.2	5.0	2.3	1.3	.4	.1	.0								2541	2541	90	2
72/ 71	.0	.8	3.1	6.5	4.5	1.8	.6	.2	.0									2982	2982	703	45
70/ 69	.1	1.7	4.3	4.2	2.6	1.5	.3	.1	.0									2493	2493	2153	474
68/ 67	.1	2.1	4.2	1.6	1.1	.6	.1	.0										1665	1665	3679	1309
66/ 65	.0	2.1	2.6	.8	.4	.2	.0	.0										1075	1075	4212	2320
64/ 63	.0	1.4	1.2	.4	.1	.0												531	531	2981	3555
62/ 61	.0	.4	.6	.2	.0	.0												222	222	1760	3376
60/ 59		.1	.3	.1														85	85	954	2293
58/ 57		.0	.1	.0														26	26	355	1405
56/ 55			.0															1	1	126	1038
54/ 53																				34	595
52/ 51																				4	314
50/ 49																					144
48/ 47																					49
46/ 45																					73
44/ 43																					9
42/ 41																					1
40/ 39																					1
TOTAL	.3	8.9	18.6	20.8	20.5	16.2	10.4	3.5	.7	.1	.0							16953	16956	16953	16953
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature					Total					
Rel. Hum.	86749430		1194620		70.5		12.310		16953		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	89758795		1224249		72.2		4.647		16956				595.0	312.1	34.0		672.0				
Wet Bulb	72712290		1108826		65.4		3.335		16953				262.7	3.6			672.0				
Dew Point	64618160		1044148		61.6		4.265		16953				72.5	.1			672.0				

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

# PSYCHROMETRIC SUMMARY

22521 HONOLULU OAHU/JOHN RODGERS WHAS 40-67 MAR MONTH

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	≥30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 87											.0						1	1		
86/ 85								.0	.0	.0							11	11		
84/ 83						.0	.2	.4	.1	.0							129	129		
82/ 81				.0	.1	.4	1.1	1.0	.2								519	519		
80/ 79		.0	.0	.1	.5	2.1	2.9	1.2	.2								1343	1343		
78/ 77			.1	.4	1.7	4.0	3.4	1.0	.1	.0							2033	2033		2
76/ 75		.1	.7	1.2	3.9	3.5	1.7	.6	.1	.0							2383	2383	70	3
74/ 73	.0	.3	1.2	3.6	6.4	2.6	.9	.2	.0								2871	2871	126	19
72/ 71	.0	.5	2.3	8.0	6.5	1.6	.3	.1	.0								3661	3662	635	140
70/ 69	.1	1.2	4.3	6.1	2.6	.9	.2	.0									2908	2911	1981	425
68/ 67	.1	1.5	3.7	1.6	.9	.5	.1	.0									1575	1576	4318	901
66/ 65	.1	1.2	1.9	.9	.2	.1	.0										621	621	5820	2099
64/ 63		.5	.9	.3	.1	.0	.0										342	342	3353	4165
62/ 61		.2	.4	.1	.0												136	136	1456	4712
60/ 59		.1	.2	.0	.0												48	48	714	3101
58/ 57		.0	.0														13	13	257	1574
56/ 55		.0															1	1	80	840
54/ 53																			12	437
52/ 51																				205
50/ 49																				98
48/ 47																				48
46/ 45																				21
44/ 43																				5
TOTAL	.3	5.7	15.8	22.3	22.6	16.8	10.9	4.5	.7	.1	.0						18795	18795	18795	18795

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel Hum.	92214554	1298517	69.1	11.540	18795	≤ 67 F	≤ 73 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	99894704	1367930	72.8	4.383	18800			690.1	367.6	51.2		744.0
Wet Bulb	81040766	1232896	65.6	2.976	18795			281.2	5.9			744.0
Dew Point	71602212	1157878	61.6	3.793	18795			59.0	1.0			744.0

FORM 1210 WS JUL 64 0-26-5 (Rev 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

27521 HONOLULU OAHU/JOHN RODGERS WBAS 40-67

APR MONTH  
YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL DB/WB	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-16	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
86/ 85						.0	.0	.1	.0									19	19		
84/ 84				.0	.0	.1	.3	.6	.2	.0								241	241		
82/ 81			.0	.1	.3	1.1	1.9	1.7	.4	.0								1004	1004		
80/ 79			.0	.2	1.2	2.9	4.1	1.8	.3	.0								1951	1951		
78/ 77			.1	.8	2.1	4.3	3.8	1.1	.1									2218	2218		1
76/ 75		.0	.7	2.2	4.9	4.3	1.8	.4	.0	.0								2642	2643	33	1
74/ 73	.0	.2	1.2	5.9	7.8	2.6	.4	.0	.0									3345	3345	225	27
72/ 71	.0	.4	3.1	7.5	6.6	1.0	.1	.0	.0									3451	3451	1012	144
70/ 69	.0	.8	4.0	4.8	2.1	.4	.0	.0										2254	2254	2670	517
68/ 67	.0	.4	2.3	1.0	.3	.1	.0											843	843	5231	1275
66/ 65		.5	.7	.3	.1	.0												296	296	5558	2721
64/ 63		.1	.3	.1	.0	.0												85	85	2663	4458
62/ 61		.0	.0	.0														14	14	705	4281
60/ 59			.0	.0														4	4	192	2834
58/ 57			.0															3	3	61	1335
56/ 55																				11	494
54/ 53																				7	170
52/ 51																					46
50/ 49																					43
48/ 47																					16
46/ 45																					2
TOTAL	.0	3.0	12.5	23.0	25.5	16.9	12.3	5.7	1.1	.1								18370	18371	18370	18370
Element (X)	Σx²		Σx		$\bar{x}$	$\sigma_x$	No. Obs.	Mean No of Hours with Temperature						Total							
Rel. Hum.	86426989		1244381		67.7	10.775	18370	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	720.0							
Dry Bulb	101405043		1362823		74.2	4.083	18370			704.2	447.6	88.8		720.0							
Wet Bulb	81510700		1222692		66.6	2.653	18370			359.5	10.2			720.0							
Dew Point	71812195		1146815		62.4	3.445	18370			77.0	1.1			720.0							

FORM 1210 WS JUL 64 0-26-5 (Det 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

22521 HONOLULU DANIEL JOHN RODGERS W6AS

40-67

MAY  
 MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL DB/WB	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point						
90/ 89																							3	3		
88/ 87							.0	.1	.2	.3	.0												24	24		
86/ 85					.0	.1	.8	1.3	1.6	.5	.0											200	200			
84/ 83			.0		.1	.8	1.3	1.6	.5	.1												804	805			
82/ 81				.0	.6	1.7	4.0	3.1	.4	.0												1880	1880			
80/ 79			.0	.2	1.3	4.5	5.4	1.6	.1	.0												2514	2514	1		
78/ 77			.1	.9	4.0	4.7	2.3	.4	.0								.0					2357	2357	2		
76/ 75		.0	.5	3.9	8.6	3.2	.7	.1	.0													3219	3219	70	1	
74/ 73		.1	1.8	8.8	8.3	1.4	.1	.0														3819	3889	472	16	
72/ 71	.0	.6	3.7	5.7	3.4	.4	.0															2625	2626	1628	183	
70/ 69	.0	.8	2.2	1.7	.7	.1	.0															1060	1060	4892	742	
68/ 67	.0	.4	1.0	.3	.1																	334	334	6860	2099	
66/ 65	.0	.1	.2	.0	.0																	47	47	3792	4364	
64/ 63		.0	.0																			2	2	1037	5253	
62/ 61																									173	3790
60/ 59																									12	1707
58/ 57																										629
56/ 55																										144
54/ 53																										20
52/ 51																										11
TOTAL	.0	2.1	9.5	21.5	27.2	16.8	14.0	7.2	1.4	.2	.0													18962	18960	
																								18959	18959	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature							Total													
Rel. Hum.	86888786	1268350	66.9	10.365	18959	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total														
Dry Bulb	109514613	1439019	75.9	4.030	18962			742.1	584.3	167.5		744.0														
Wet Bulb	87416458	1286626	67.9	2.313	18959			546.4	21.3			744.0														
Dew Point	77111000	1207830	63.7	2.970	18960			119.3	.7			744.0														

1210 WS JUL 64 0-26-5 (Dist 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

22521 HONOLULU OAHU/JOHN RODGERS W. AS 3-1-66 JAN MONTH  
 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		
90/ 89						.0	.0	.0	.0									12	12				
88/ 87						.0	.1	.1	.2									77	77				
86/ 85				.0	.0	.2	.6	1.3	.9	.1								586	586				
84/ 83				.0	.2	1.0	3.2	4.0	.7	.0	.0							1720	1720				
82/ 81			.0	.1	.9	2.9	6.5	2.6	.1	.0								2468	2468				
80/ 79			.0	.5	2.3	6.0	4.2	.4	.0									2529	2529	3			
78/ 77		.0	.2	2.3	6.0	4.9	.6	.0										2996	2996	24	4		
76/ 75	.0	.0	1.0	8.9	12.4	1.9	.1	.0										4579	4579	166	14		
74/ 73		.3	3.1	7.0	3.6	.3	.0											2688	2688	899	64		
72/ 71	.0	.4	2.2	1.9	.3	.0												891	891	3405	371		
70/ 69	.0	.7	.7	.2	.0													200	200	8236	1313		
68/ 67		.0	.1	.0														28	28	5045	3651		
66/ 65			.0															3	3	913	6114		
64/ 63																				4	4933		
62/ 61																					1820		
60/ 59																					432		
58/ 57																					56		
56/ 55																					2		
54/ 53																					3		
52/ 51																					1		
TOTAL	.0	.9	7.4	20.9	27.7	17.3	15.2	8.5	1.9	.2	.0							18777	18777	18778	18778		
Element (X)	Σx²		Σx		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature					Total							
Rel. Hum.	84702273		1247527		66.4		9.839		18777		≤ 50 F	50-59 F	60-69 F	70-79 F	80-89 F	≥ 90 F	720.0						
Dry Bulb	113675146		1459284		77.7		3.754		18777				719.9	677.0	241.3		720.0						
Wet Bulb	90432674		1302590		69.4		1.930		18777				681.8	41.9	.0		720.0						
Dew Point	80108927		1225581		65.3		2.519		18778				207.7	3.1			720.0						

FORM 1210 WS JUL 64 0-26-5 (Dw 10) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-66 JUL  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
90/ 89				.0	.0	.0	.0	.0	.0								17	17		
88/ 87				.0	.0	.0	.2	.3	.3								202	202		
86/ 85			.0	.0	.1	.4	1.3	2.1	.9	.1							953	953		
84/ 83			.0	.1	.3	1.6	4.3	4.6	.7	.0							2257	2258	1	
82/ 81			.0	.2	1.0	3.9	6.6	2.0	.1								2676	2676	8	3
80/ 79		.0	.2	.8	3.5	6.1	2.3	.2									2543	2543	11	9
78/ 77		.0	.8	3.8	11.2	4.1	.4										3927	3927	55	7
76/ 75	.0	.3	1.8	9.7	10.1	1.5	.3										4602	4602	410	53
74/ 73	.0	.2	2.5	4.3	1.4	.3											1697	1697	1524	232
72/ 71	.0	.3	1.2	.6	.1	.0											470	430	4985	631
70/ 69	.0	.1	.2	.0	.0												54	54	8617	1995
68/ 67			.0														5	5	3236	4653
66/ 65																			472	6312
64/ 63																			45	3878
62/ 61																			1	1122
60/ 59																				177
58/ 57																				89
56/ 55																				2
TOTAL	.1	1.0	6.7	19.6	27.7	17.9	15.4	9.3	2.1	.1							19363	19364	19363	19363
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	86770464	1281968	66.2	9.893	19363	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	119749808	1521124	78.6	3.658	19364		744.0	725.2	285.9	744.0										
Wet Bulb	95134153	1356681	70.1	2.000	19363		724.1	77.2	.5	744.0										
Dew Point	84386560	1277196	66.0	2.707	19363		291.4	11.7	.3	744.0										

FORM 1210 WS JUL 64 0-26-5 (Rev 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-48,50-66 AUG  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL DB/WB	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb		Wet Bulb	Dew Point	
92/ 91									.0									2	2			
90/ 89							.0	.1	.1	.0	.0							51	51			
88/ 87					.0	.0	.3	.8	.7	.1	.0							359	359			
86/ 85				.0	.1	.6	2.1	3.4	1.3	.1								1406	1406			
84/ 83			.0	.0	.4	2.2	5.4	4.6	.9	.0								2463	2463			
82/ 81		.0	.0	.3	1.9	4.9	5.2	1.1	.1	.0								2371	2371			
80/ 79		.0	.3	1.3	6.0	5.4	1.2	.1										2684	2684	9	2	
78/ 77		.3	1.1	6.2	13.7	3.5	.3	.0										4678	4679	50	10	
76/ 75	.0	.3	2.8	8.9	6.3	1.1	.1	.0										3580	3585	550	42	
74/ 73	.0	.3	1.8	1.7	1.0	.1												897	899	2346	297	
72/ 71		.3	.6	.2	.0													182	182	6614	949	
70/ 69		.0	.1															15	15	7063	2857	
68/ 67		.0																1	1	1782	5417	
66/ 65																				267	5208	
64/ 63																				6	2682	
62/ 61																				2	924	
60/ 59																					203	
58/ 57																					17	
56/ 55																					3	
54/ 53																					1	
TOTAL	.0	1.0	6.6	18.3	29.0	17.5	14.6	10.1	2.7	.2	.0							18689	18697	18689	18692	
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature								Total			
Rel. Hum.	83504670		1235416		66.1		9.920		18689		≤ 67 F	≤ 73 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb	117768028		1482334		79.3		3.626		18697				744.0	736.1	316.0		744.0					
Wet Bulb	93457938		1321106		70.7		1.940		18689				733.0	117.6	.1		744.0					
Dew Point	83053604		1244936		66.6		2.713		18692				381.0	13.9	.0		744.0					

1210 WS JUL 64 0-26-5 (Det 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



1210 WS JUL 64 C-26-5 (Dw-50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

22521 HONOLULU GAHU/JOHN RODGERS WDAS 39-48.50-66 OCT  
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
90/ 89							.0	.0	.0	.0								18	18		
88/ 87						.0	.0	.2	.4	.2								145	145		
86/ 85				.0	.0	.5	1.3	1.8	.6	.0								805	805		
84/ 83			.0	.1	.4	2.0	4.2	3.1	.4	.0								1904	1904		
82/ 81			.0	.3	1.5	4.4	4.3	1.2	.1									2224	2224		
80/ 79		.0	.3	1.4	3.9	5.1	1.8	.2	.0									2373	2373	8	
78/ 77		.1	.9	4.2	10.3	3.3	.5	.0										3651	3653	50	7
76/ 75	.0	.3	2.6	9.6	7.4	1.4	.3											4037	4037	531	56
74/ 73	.0	1.0	4.1	3.8	1.9	.4	.0											2104	2104	1864	310
72/ 71	.0	1.3	2.8	1.0	.7	.1												984	984	5204	947
70/ 69	.0	.9	1.1	.2	.1													356	356	7146	2616
68/ 67		.1	.4	.0														109	109	2909	5301
66/ 65		.0	.0	.0														10	10	808	4972
64/ 63			.0															1	1	178	2900
62/ 61																				23	1070
60/ 59																					379
58/ 57																					122
56/ 55																					42
TOTAL	.1	3.3	12.3	20.6	25.7	17.2	12.6	6.8	1.3	.1								18721	18723	18722	18722
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.	90510232		1286166		68.7		10.701		18720		≤ 67 F	≤ 73 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	113850200		1458108		77.9		3.975		18723				743.6	686.0	251.5		744.0				
Wet Bulb	92128883		1312613		70.1		2.261		18721				703.8	97.4	.0		744.0				
Dew Point	82619942		1242448		66.4		2.990		18722				367.0	14.7			744.0				

DATA PROCESSING DIVISION  
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# PSYCHROMETRIC SUMMARY

22521 HONOLULU DAHU/JOHN RODGERS WBAS  
STATION STATION NAME

39-66  
YEARS

NOV  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL DB./WB.	TOTAL		
	0	1-2	3-4	5-6	7-8	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
90/ 89										.0								1	1	
88/ 87								.0	.0	.0								25	25	
86/ 85							.1	.3	.3	.1	.0							163	163	
84/ 83			.0	.0	.2	1.2	1.6	1.4	.2	.0								861	861	
82/ 81				.1	1.2	3.0	3.2	1.3	.2	.0								1701	1701	
80/ 79		.0	.1	.7	2.7	4.2	3.0	.8	.1									2180	2181	1
78/ 77		.1	.6	3.0	4.8	4.0	1.4	.2	.0	.0								2657	2657	9
76/ 75		.3	2.4	6.3	8.4	3.5	.5	.1										4048	4048	173
74/ 73	.0	1.0	4.1	6.8	4.0	1.5	.3	.0										3473	3473	1148
72/ 71	.0	2.0	4.1	2.7	.9	.3	.0	.0	.0									1906	1906	3201
70/ 69	.1	1.7	2.8	.8	.2	.1	.0											1056	1059	5404
68/ 67	.0	1.0	1.3	.2	.1	.0	.0											491	492	5420
66/ 65	.0	.3	.5	.1	.0	.0												181	181	2451
64/ 63		.1	.2	.0														54	54	640
62/ 61		.0	.0															7	7	227
60/ 59		.0																1	1	65
58/ 57																				15
56/ 55																				1
54/ 53																				147
52/ 51																				58
50/ 49																				9
48/ 47																				9
46/ 45																				2
42/ 41																				1
TOTAL	.1	6.4	16.1	20.9	23.4	17.9	10.4	4.2	.6	.1	.0							18805		18805
																		18805		18805
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	95745371	1325013	70.5	11.248	18804	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	720.0								
Dry Bulb	108458026	1426220	75.8	4.115	18810			710.7	578.4	151.0		720.0								
Wet Bulb	88914003	1292083	68.7	2.685	18805			587.9	50.9			720.0								
Dew Point	79951436	1224488	65.1	3.412	18805			291.2	5.4			720.0								

FORM 1210 WS JUL 44 0-26-5 (Daf 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

22521 HONOLULU OAHU/JOHN RODGERS WSAS 39-66 DEC MONTH

STATION STATION NAME YEARS 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	DB./WB.	Dry Bulb	Wet Bulb	Dew Point	
86/ 85					.0	.0	.0	.0	.0									6	6			
84/ 83					.0	.1	.2	.2	.1	.0								113	113			
82/ 81			.0	.1	.4	.9	1.2	.9	.1	.0								613	613			
80/ 79			.1	.4	1.4	3.0	2.8	.7	.1	.0								1639	1639			
78/ 77		.1	.5	1.1	3.2	4.2	2.3	.6	.0									2286	2286	6		
76/ 75	.0	.2	1.5	3.2	5.1	3.0	1.2	.3	.0	.0								2784	2784	98	13	
74/ 73	.0	.7	2.4	6.8	6.9	2.2	.6	.1	.0									3775	3776	416	109	
72/ 71	.1	1.6	4.4	7.0	3.9	1.3	.3	.0	.0									3579	3579	1458	459	
70/ 69	.1	1.8	4.3	3.0	1.0	.6	.1	.0										2112	2112	3387	990	
68/ 67	.0	1.6	2.8	.9	.4	.2												1136	1136	5359	2063	
66/ 65	.0	1.2	1.6	.4	.2	.1	.0											667	667	4624	3368	
64/ 63		.6	.6	.2	.0	.0												269	269	2220	4519	
62/ 61		.2	.2	.1	.0													91	91	977	3583	
60/ 59		.0	.1	.0														23	23	374	2086	
58/ 57		.0	.0	.0														13	13	127	923	
56/ 55																				49	525	
54/ 53																				11	279	
52/ 51																					116	
50/ 49																					52	
48/ 47																					17	
46/ 45																					4	
44/ 43																					1	
TOTAL	.2	8.1	18.6	23.5	22.5	15.7	8.6	2.5	.3	.0										19107	19107	
																			19106		19106	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	100065725	1365607	71.5	11.344	19106			702.6	436.8	57.3		744.0
Wet Bulb	85500173	1276753	66.8	3.082	19106			417.6	20.2			744.0
Dew Point	76771353	1208827	63.3	3.919	19107			141.5	4.8			744.0

1210 WS JUL 64 0-26-5 (Dof 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22521 HONOLULU OAHU/JOHN RODGERS WBS 39-67

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	ANNUAL
00-02	MEAN	69.0	68.9	69.5	70.9	72.4	74.5	75.4	76.2	75.7	74.8	72.8	70.6	72.6
	S. D.	3.324	3.214	2.815	2.304	1.981	1.620	1.560	1.512	1.862	2.127	2.593	3.020	3.533
	TOTAL OBS	2224	2033	2277	2242	2342	2290	2366	2289	2219	2286	2293	2303	27164
03-05	MEAN	68.1	68.0	68.7	70.0	71.5	73.6	74.6	75.4	74.7	73.8	71.9	69.9	71.7
	S. D.	3.574	3.448	3.105	2.530	2.144	1.810	1.744	1.595	2.110	2.402	2.854	3.302	3.686
	TOTAL OBS	2221	2030	2278	2243	2349	2308	2374	2290	2219	2295	2298	2303	27208
06-08	MEAN	69.2	69.3	70.4	72.7	74.8	76.5	77.2	77.8	77.4	76.2	73.9	71.1	73.9
	S. D.	3.929	3.660	3.513	3.172	2.942	2.790	2.623	2.565	2.915	3.168	3.460	3.553	4.454
	TOTAL OBS	2406	2195	2412	2334	2396	2397	2473	2380	2308	2385	2388	2476	28554
09-11	MEAN	75.9	75.5	76.1	77.7	79.6	81.0	81.7	82.4	82.7	81.7	79.6	76.8	79.2
	S. D.	3.230	3.204	3.098	2.749	2.539	2.340	2.450	2.331	2.306	2.557	2.938	2.882	3.758
	TOTAL OBS	2405	2205	2415	2339	2397	2398	2473	2385	2309	2385	2395	2475	28581
12-14	MEAN	77.7	77.3	77.7	79.0	80.9	82.5	83.3	84.1	84.1	82.8	80.7	78.2	80.7
	S. D.	3.067	3.175	3.084	2.698	2.551	2.236	2.135	2.176	2.155	2.533	2.672	2.691	3.622
	TOTAL OBS	2407	2202	2413	2337	2399	2398	2464	2387	2305	2379	2393	2472	28554
15-17	MEAN	75.8	75.7	75.9	77.2	78.9	80.8	81.6	82.3	81.9	80.4	78.2	76.0	78.7
	S. D.	3.038	3.114	3.113	2.689	2.624	2.266	2.204	2.189	2.223	2.609	2.607	2.659	3.612
	TOTAL OBS	2402	2202	2413	2339	2397	2398	2473	2382	2310	2383	2396	2446	28539
18-20	MEAN	72.2	72.3	72.4	73.5	75.2	77.0	77.8	78.5	78.2	77.2	75.2	72.9	75.2
	S. D.	2.562	2.623	2.373	2.158	1.993	1.800	1.744	1.610	1.554	1.816	1.988	2.278	3.147
	TOTAL OBS	2254	2052	2314	2284	2350	2303	2386	2295	2231	2324	2342	2332	27471
21-23	MEAN	70.3	70.1	70.8	72.1	73.6	75.5	76.4	77.1	76.8	75.8	73.9	71.5	73.7
	S. D.	2.913	2.872	2.440	2.034	1.885	1.459	1.408	1.366	1.584	1.868	2.310	2.687	3.292
	TOTAL OBS	2220	2033	2278	2253	2332	2289	2355	2285	2217	2266	2305	2300	27153
ALL HOURS	MEAN	72.4	72.2	72.8	74.2	75.9	77.7	78.6	79.3	79.0	77.9	75.8	73.4	75.8
	S. D.	4.753	4.647	4.383	4.083	4.030	3.754	3.658	3.626	3.910	3.975	4.115	4.169	4.837
	TOTAL OBS	18539	16956	18800	18371	18962	18777	19364	18697	18118	18723	18810	19107	223224

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

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22521 HONOLULU DAHU/JOHN RODGERS WBAS 39-67

STATION		STATION NAME												YEARS
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	64.8	64.2	64.5	65.4	66.8	68.4	69.2	70.0	69.6	69.2	67.7	65.8	67.2
	S. D.	3.055	3.079	2.698	2.293	1.880	1.536	1.684	1.681	1.689	1.959	2.392	3.028	3.089
	TOTAL OBS	2224	2033	2277	2242	2342	2290	2366	2284	2219	2286	2293	2302	27160
03-05	MEAN	64.3	63.7	64.0	65.0	66.4	68.1	68.9	69.6	69.2	68.7	67.3	65.4	66.8
	S. D.	3.169	3.182	2.763	2.323	1.910	1.585	1.707	1.769	1.803	2.069	2.451	3.125	3.163
	TOTAL OBS	2221	2030	2275	2243	2349	2308	2374	2287	2219	2295	2297	2303	27201
06-08	MEAN	64.7	64.3	64.7	66.1	67.6	69.1	69.8	70.4	70.1	69.5	68.0	65.9	67.5
	S. D.	3.262	3.213	2.807	2.479	2.131	1.856	1.907	1.896	1.911	2.178	2.597	3.093	3.321
	TOTAL OBS	2405	2199	2410	2334	2396	2397	2473	2378	2308	2384	2388	2476	28548
09-11	MEAN	67.3	66.6	66.7	67.7	69.0	70.3	70.9	71.5	71.5	71.3	69.9	68.0	69.3
	S. D.	2.920	3.054	2.790	2.511	2.260	1.857	1.959	1.884	1.937	2.134	2.799	2.765	3.038
	TOTAL OBS	2405	2202	2415	2339	2396	2398	2473	2385	2307	2385	2395	2475	28575
12-14	MEAN	67.8	67.2	67.3	68.1	69.3	70.6	71.3	71.8	71.8	71.6	70.3	68.5	69.7
	S. D.	3.493	3.070	2.867	2.646	2.310	1.974	2.016	1.922	2.044	2.101	2.474	2.745	3.145
	TOTAL OBS	2408	2202	2413	2337	2397	2396	2463	2387	2305	2379	2392	2472	28551
15-17	MEAN	67.3	66.7	66.7	67.6	68.8	70.2	70.9	71.4	71.3	70.9	69.6	67.8	69.1
	S. D.	2.886	3.071	2.782	2.503	2.148	1.789	1.871	1.794	1.873	2.007	2.378	2.722	2.927
	TOTAL OBS	2402	2202	2413	2339	2397	2396	2473	2382	2309	2383	2396	2446	28538
18-20	MEAN	66.1	65.5	65.6	66.4	67.8	69.3	69.9	70.5	70.4	70.0	68.6	66.7	68.1
	S. D.	2.920	2.987	2.827	2.333	2.003	1.941	1.741	1.698	1.683	1.950	2.324	2.692	2.914
	TOTAL OBS	2254	2052	2314	2283	2350	2303	2386	2299	2231	2323	2342	2332	27469
21-23	MEAN	65.4	64.7	65.1	65.9	67.2	68.8	69.6	70.2	70.0	69.6	68.2	66.2	67.6
	S. D.	2.944	3.025	2.610	2.261	1.949	1.523	1.693	1.665	1.671	1.929	2.376	2.818	2.991
	TOTAL OBS	2220	2033	2278	2253	2332	2289	2355	2285	2217	2286	2302	2300	27150
ALL HOURS	MEAN	66.0	65.4	65.6	66.6	67.9	69.4	70.1	70.7	70.5	70.1	68.7	66.8	68.2
	S. D.	3.507	3.335	2.974	2.653	2.313	1.930	2.000	1.940	2.032	2.261	2.685	3.082	3.236
	TOTAL OBS	18539	16953	18795	18370	18959	18777	19363	18689	18115	18721	18805	19106	223192

DATA PROCESSING DIVISION  
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 ASHEVILLE, N. C. 28801

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-67

STATION		STATION NAME												YEARS								
HRS.(L.S.T.)		JAN.		MAR.		MAY		JUN.		JUL.		AUG.		SEP.		OCT.		NOV.		DEC.		ANNUAL
00-02	MEAN	62.4	61.4	61.6	62.4	63.8	65.4	66.2	66.9	66.7	66.4	65.1	63.1	64.3								64.3
	S. D.	3.831	3.989	3.509	3.081	2.618	2.229	2.472	2.451	2.410	2.734	3.355	3.812	3.661								3.661
	TOTAL OBS	2224	2033	2277	2242	2342	2290	2366	2286	2219	2286	2294	2302	27161								
03-05	MEAN	62.0	61.2	61.3	62.2	63.6	65.2	66.1	66.8	66.6	66.2	64.8	62.9	64.1								64.1
	S. D.	3.843	4.050	3.478	3.042	2.607	2.263	2.474	2.801	2.772	2.769	3.224	3.892	3.729								3.729
	TOTAL OBS	2221	2030	2275	2243	2349	2308	2374	2287	2219	2295	2297	2303	27201								
06-08	MEAN	62.0	61.4	61.4	62.5	63.8	65.5	66.1	66.9	66.6	66.3	65.0	63.0	64.2								64.2
	S. D.	3.947	4.106	3.604	3.304	2.810	2.474	2.591	2.586	2.536	2.827	3.309	3.911	3.783								3.783
	TOTAL OBS	2405	2199	2410	2334	2396	2397	2473	2378	2308	2384	2388	2476	28548								
09-11	MEAN	62.6	61.7	61.6	62.4	63.6	65.1	65.8	66.4	66.3	66.3	65.2	63.4	64.2								64.2
	S. D.	4.337	4.501	4.143	3.808	3.276	2.798	2.908	2.941	3.039	3.624	3.596	4.077	4.031								4.031
	TOTAL OBS	2405	2202	2415	2339	2394	2398	2473	2385	2307	2385	2394	2475	28574								
12-14	MEAN	62.7	61.7	61.7	62.4	63.4	64.8	65.5	66.0	66.0	66.2	65.1	63.5	64.1								64.1
	S. D.	4.503	4.639	4.300	4.152	3.483	3.010	3.119	3.003	3.254	3.265	3.704	4.155	4.100								4.100
	TOTAL OBS	2408	2202	2413	2337	2397	2396	2463	2387	2305	2379	2392	2472	28551								
15-17	MEAN	62.8	61.7	61.7	62.5	63.6	65.1	65.8	66.2	66.3	66.4	65.2	63.4	64.2								64.2
	S. D.	4.253	4.481	3.967	3.602	3.098	2.680	2.853	2.779	2.912	2.962	3.407	3.956	3.858								3.858
	TOTAL OBS	2402	2202	2413	2339	2398	2396	2473	2384	2309	2384	2396	2447	28547								
18-20	MEAN	62.8	61.8	61.8	62.6	63.9	65.5	66.1	66.7	66.7	66.6	65.3	63.4	64.5								64.5
	S. D.	4.044	4.186	3.641	3.234	2.746	2.237	2.563	2.477	2.513	2.796	3.297	3.724	3.664								3.664
	TOTAL OBS	2254	2052	2314	2283	2350	2304	2386	2299	2231	2323	2342	2332	27470								
21-23	MEAN	62.6	61.7	61.8	62.6	63.9	65.5	66.3	66.9	66.8	66.5	65.2	63.3	64.5								64.5
	S. D.	3.870	4.018	3.534	3.120	2.958	2.202	2.481	2.426	2.498	2.775	3.339	3.738	3.659								3.659
	TOTAL OBS	2220	2033	2278	2253	2332	2289	2355	2286	2218	2286	2302	2300	27152								
ALL HOURS	MEAN	62.5	61.6	61.6	62.4	63.7	65.3	66.0	66.6	66.5	66.4	65.1	63.3	64.3								64.3
	S. D.	4.103	4.265	3.793	3.445	2.970	2.519	2.707	2.713	2.772	2.990	3.412	3.919	3.819								3.819
	TOTAL OBS	18539	16953	18795	18370	18960	18778	19363	18697	18116	18722	18805	19107	223200								

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

RELATIVE HUMIDITY

22521  
 STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
 STATION NAME

39-67  
 PERIOD

ALL  
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.8	96.1	79.4	55.5	31.3	6.5	72.4	18539
FEB		100.0	100.0	100.0	99.7	95.1	76.3	50.0	24.7	4.0	70.5	16953
MAR		100.0	100.0	100.0	99.8	95.2	74.9	45.6	18.9	2.5	69.1	18795
APR		100.0	100.0	100.0	99.8	94.9	72.7	41.1	13.9	1.2	67.7	18370
MAY		100.0	100.0	100.0	99.9	94.9	71.0	37.8	10.4	.8	66.9	18959
JUN		100.0	100.0	100.0	100.0	95.0	70.0	37.2	7.6	.3	66.4	18777
JUL		100.0	100.0	100.0	100.0	94.9	69.1	36.2	7.4	.6	66.2	19363
AUG		100.0	100.0	100.0	99.9	94.3	69.5	35.8	7.5	.5	66.1	18689
SEP		100.0	100.0	100.0	99.8	93.7	70.1	38.2	10.0	.7	66.6	18115
OCT		100.0	100.0	100.0	99.9	96.4	75.8	44.8	15.1	1.6	68.7	18720
NOV		100.0	100.0	100.0	99.9	97.4	79.3	48.7	21.7	2.6	70.5	18804
DEC		100.0	100.0	100.0	99.9	97.5	80.9	53.4	24.3	4.0	71.5	19106
TOTALS		100.0	100.0	100.0	99.9	95.5	74.1	43.6	15.9	2.1	68.5	223190





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

RELATIVE HUMIDITY

22521  
 STATION

HONOLULU OHU/JOHN RODGERS WEAS  
 STATION NAME

40-67  
 PERIOD

MAR  
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (U.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-05	100.0	100.0	100.0	100.0	99.7	96.8	76.2	35.0	4.0	76.5	2277
	06-11	100.0	100.0	100.0	100.0	99.6	97.3	79.6	43.6	6.1	77.9	2275
	12-17	100.0	100.0	100.0	100.0	99.2	91.2	62.1	28.8	4.3	73.9	2410
	18-23	100.0	100.0	100.0	99.5	89.4	47.5	16.5	5.2	1.1	61.5	2415
	24-29	100.0	100.0	100.0	99.0	82.6	33.8	11.5	3.7	.7	58.6	2413
	30-03	100.0	100.0	100.0	99.6	92.6	51.4	15.8	5.3	.9	62.1	2413
	04-09	100.0	100.0	100.0	100.0	99.5	89.5	43.3	9.8	1.0	69.7	2314
	10-15	100.0	100.0	100.0	100.0	99.7	96.1	64.5	21.8	2.0	73.7	2278
	16-21											
	22-27											
	28-31											
	TOTALS	100.0	100.0	100.0	99.8	95.2	74.9	45.6	18.9	2.5	69.1	18795







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

RELATIVE HUMIDITY

22521  
 STATION

HONOLULU OAHU/JOHN RODGERS WBAS  
 STATION NAME

39-48, 50-66  
 PERIOD

AUG  
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	97.9	68.9	14.1	.4	73.3	2266
	03-05	100.0	100.0	100.0	100.0	99.9	98.6	75.9	21.5	1.3	74.9	2287
	06-08	100.0	100.0	100.0	100.0	99.9	88.0	43.4	9.6	.9	69.6	2378
	09-11	100.0	100.0	100.0	100.0	89.6	35.5	8.2	2.0	.2	59.0	2385
	12-14	100.0	100.0	100.0	99.6	75.1	18.1	3.6	1.1	.3	55.2	2387
	15-17	100.0	100.0	100.0	99.9	91.1	36.7	6.3	1.3	.2	58.9	2382
	18-20	100.0	100.0	100.0	100.0	99.7	88.9	29.4	3.5	.3	67.7	2299
	21-23	100.0	100.0	100.0	100.0	100.0	97.1	54.0	7.4	.4	71.0	2285
TOTALS		100.0	100.0	100.0	99.9	94.3	69.5	35.8	7.5	.5	66.1	18689









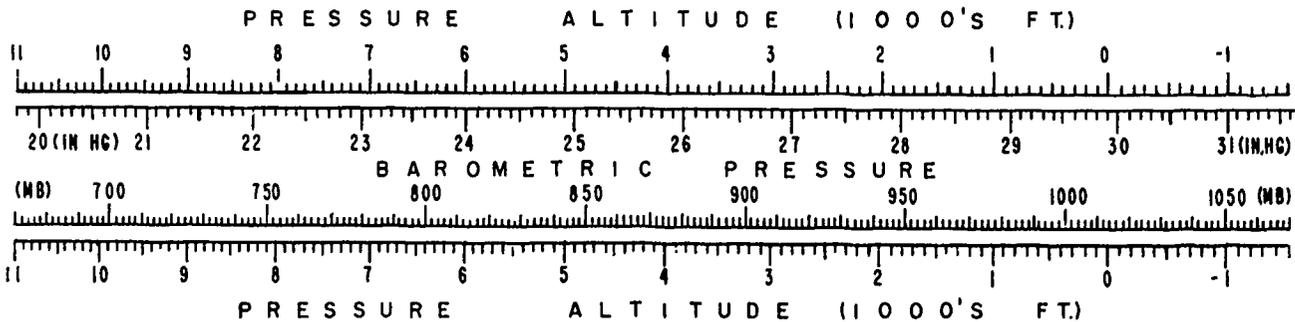
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ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION  
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 ASHEVILLE, N. C. 28801

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

22521 HONOLULU DAHU/JOHN RODGERS WBAS 46-67

STATION	STATION NAME												YEARS	
HRS (L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
02	MEAN S. D. TOTAL OBS	29.963 .105 682	29.981 .090 620	30.005 .085 682	30.016 .067 659	30.015 .052 675	30.012 .041 629	30.000 .053 648	29.978 .044 620	29.956 .041 599	29.966 .055 620	29.973 .077 626	29.978 .086 651	29.986 .073 7707
05	MEAN S. D. TOTAL OBS	29.957 .107 682	29.971 .089 619	29.998 .086 681	30.011 .069 658	30.012 .064 670	30.010 .043 630	29.997 .039 648	29.974 .045 618	29.953 .044 600	29.961 .058 620	29.966 .077 627	29.971 .086 651	29.982 .074 7704
08	MEAN S. D. TOTAL OBS	29.995 .107 681	30.011 .090 619	30.039 .086 681	30.052 .070 657	30.047 .054 675	30.042 .043 629	30.029 .038 650	30.007 .045 618	29.986 .044 599	29.999 .057 620	30.006 .077 626	30.011 .085 651	30.019 .073 7706
11	MEAN S. D. TOTAL OBS	29.994 .109 682	30.013 .089 621	30.039 .082 681	30.048 .067 660	30.043 .053 674	30.037 .042 628	30.024 .037 649	30.004 .043 620	29.982 .040 599	29.992 .054 620	29.995 .076 629	30.004 .085 650	30.015 .072 7712
14	MEAN S. D. TOTAL OBS	29.926 .105 682	29.949 .089 621	29.981 .080 680	29.997 .066 660	30.004 .052 676	30.003 .043 630	29.991 .037 641	29.964 .042 620	29.932 .041 598	29.935 .054 617	29.936 .075 628	29.940 .084 649	29.963 .074 7702
17	MEAN S. D. TOTAL OBS	29.939 .105 680	29.955 .086 621	29.980 .083 682	29.989 .067 659	29.992 .054 676	29.990 .044 628	29.975 .038 649	29.950 .043 618	29.929 .043 600	29.944 .057 619	29.950 .076 629	29.956 .084 650	29.963 .072 7709
20	MEAN S. D. TOTAL OBS	29.983 .104 682	30.000 .086 621	30.024 .084 680	30.037 .069 658	30.037 .055 674	30.028 .044 630	30.011 .039 648	29.991 .045 619	29.975 .045 599	29.992 .058 620	29.997 .076 629	30.000 .084 651	30.007 .072 7711
23	MEAN S. D. TOTAL OBS	29.990 .105 680	30.013 .086 620	30.043 .084 681	30.056 .066 660	30.056 .051 675	30.049 .051 630	30.031 .037 646	30.011 .043 619	29.989 .041 600	30.000 .055 617	30.003 .078 628	30.006 .084 649	30.021 .073 7705
ALL HOURS	MEAN S. D. TOTAL OBS	29.968 .108 5451	29.986 .092 4962	30.014 .087 5448	30.024 .072 5267	30.026 .059 5395	30.021 .048 5032	30.007 .044 5178	29.985 .049 4952	29.963 .048 4794	29.974 .061 4953	29.978 .080 5022	29.983 .088 5202	29.995 .076 61656

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## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

22521 HONOLULU OAHU/JOHN RODGERS WBAS 46-67

STATION		STATION NAME												YEARS																				
HRS.(L.S.T.)		JAN.			MAR.			MAY			JUN.			JUL.			AUG.			SEP.			OCT.			NOV.			DEC.			ANNUAL		
02	MEAN	1015.2	1015.8	1016.7	1017.0	1017.0	1016.9	1016.9	1016.9	1016.9	1016.9	1016.9	1016.9	1015.8	1015.0	1015.3	1015.6	1015.6	1015.7	1015.7	1016.1													
	S. D.	3.559	3.037	2.918	2.293	1.788	1.391	1.293	1.455	1.405	1.886	2.581	2.890	2.444																				
	TOTAL OBS	682	620	682	659	675	629	649	620	599	620	626	651	7708																				
05	MEAN	1015.0	1015.9	1016.4	1016.9	1016.9	1016.9	1016.9	1016.9	1016.9	1016.9	1016.9	1016.9	1015.6	1014.9	1015.2	1015.3	1015.5	1015.5	1015.9														
	S. D.	3.616	3.029	2.983	2.401	1.882	1.478	1.372	1.561	1.540	1.980	2.618	2.891	2.510																				
	TOTAL OBS	682	619	681	658	670	630	648	618	600	620	627	651	7704																				
08	MEAN	1016.3	1016.9	1017.6	1018.2	1018.1	1017.9	1017.9	1016.7	1016.0	1016.9	1016.7	1016.9	1017.1																				
	S. D.	3.640	3.032	2.961	2.420	1.858	1.449	1.362	1.561	1.548	1.984	2.618	2.875	2.506																				
	TOTAL OBS	681	619	681	657	675	629	650	618	599	620	626	651	7706																				
11	MEAN	1016.3	1016.9	1017.6	1018.1	1018.0	1017.7	1017.3	1016.6	1015.9	1016.2	1016.3	1016.6	1017.0																				
	S. D.	3.554	3.009	2.809	2.313	1.799	1.429	1.290	1.456	1.390	1.859	2.540	2.847	2.437																				
	TOTAL OBS	682	621	681	660	674	628	648	620	599	620	629	650	7712																				
14	MEAN	1014.0	1014.8	1015.9	1016.4	1016.8	1016.8	1016.2	1015.9	1014.2	1014.3	1014.3	1014.5	1015.3																				
	S. D.	3.536	2.998	2.766	2.248	1.777	1.452	1.303	1.427	1.392	1.860	2.535	2.837	2.513																				
	TOTAL OBS	681	621	680	660	676	629	641	620	598	617	628	648	7699																				
17	MEAN	1014.4	1015.0	1015.8	1016.1	1016.2	1016.2	1015.7	1014.8	1014.0	1014.6	1014.8	1015.0	1015.2																				
	S. D.	3.531	2.902	2.851	2.316	1.840	1.489	1.331	1.484	1.471	1.992	2.578	2.829	2.441																				
	TOTAL OBS	680	621	682	660	676	628	649	618	600	619	629	650	7710																				
20	MEAN	1015.9	1016.9	1017.4	1017.8	1017.7	1017.9	1016.9	1016.2	1015.6	1016.2	1016.4	1016.5	1016.7																				
	S. D.	3.530	2.928	2.893	2.382	1.892	1.518	1.401	1.557	1.583	2.000	2.576	2.832	2.465																				
	TOTAL OBS	682	621	680	659	674	629	648	619	599	620	629	651	7711																				
23	MEAN	1016.1	1016.9	1018.0	1018.4	1018.4	1018.1	1017.6	1016.9	1016.1	1016.5	1016.6	1016.7	1017.2																				
	S. D.	3.534	2.983	2.878	2.284	1.757	1.404	1.286	1.468	1.426	1.897	2.621	2.836	2.470																				
	TOTAL OBS	680	620	681	660	675	629	646	619	600	617	628	649	7704																				
ALL HOURS	MEAN	1015.4	1016.0	1017.0	1017.4	1017.4	1017.2	1016.5	1016.0	1015.2	1015.6	1015.7	1015.9	1016.3																				
	S. D.	3.658	3.101	2.998	2.470	1.965	1.590	1.475	1.649	1.653	2.095	2.710	2.971	2.588																				
	TOTAL OBS	5450	4962	5448	5249	5395	5029	5179	4952	4794	4953	5022	5201	61654																				