

AD-A128 110

TYNDALL AFB FLORIDA REVISED UNIFORM SUMMARY OF SURFACE

1/5

WEATHER OBSERVATION (U) AIR FORCE ENVIRONMENTAL

TECHNICAL APPLICATIONS CENTER SCOTT AFB 03 DEC 82

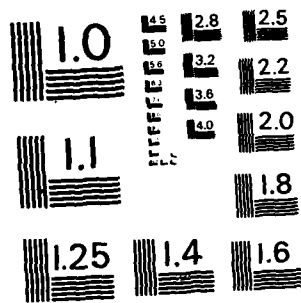
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USAFETAC/DS-82/060 SBI-AD-E850 360

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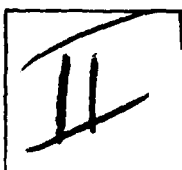
MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

PHOTOGRAPH THIS SHEET

AD-E850360

ADA 128110

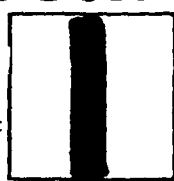
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INVENTORY

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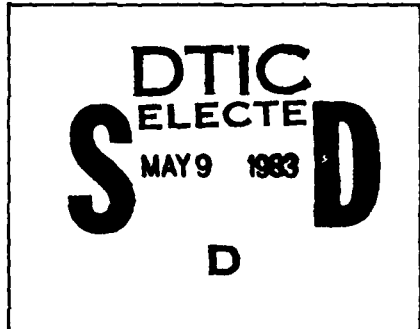
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USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

TYNDALL AFB, FL  
N 30 04 W 085 35

FLD ELEV 18 FT

MSG# 747750  
PAM

AWS TECHNICAL LIBRARY  
FL 4414  
SCOTT AFB, IL 62220

03 DEC 1982

PARTS A-F

POR FROM HOURLY OBS: JAN 73 - DEC 81

POR FROM DAILY OBS: APR 42 - DEC 81

TIME CONVERSION GMT TO LST: -6

NOV 29 1982

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FEDERAL BUILDING  
ASHEVILLE, N. C.



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

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US FL 747750

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 82/060	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
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18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperatures Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure 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 TYNDALL AFB FL 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 1473  
1 JAN 73

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables
  
20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

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

### DAILY OBSERVATIONS

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

### DESCRIPTION OF SUMMARIES

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

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

**PART A WEATHER CONDITIONS**

ATMOSPHERIC PHENOMENA

**PART B PRECIPITATION**

SNOWFALL

SNOW DEPTH

**PART C SURFACE WINDS**

**PART D CEILING VERSUS VISIBILITY**

SKYCOVER

**PART E DAILY MAX, MIN, & MEAN TEMP**

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

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

RELATIVE HUMIDITY

**PART F STATION PRESSURE**

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

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

### MISSING HOUR GROUPS

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

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
747750	TYNDALL AFB FLORIDA/PANAMA CITY	N 30 04	W 085 35	18	KPAM	74775

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE: MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT BARD.	
1	Tyndall Field Florida	AAF	Mar 42	Aug 44	N 30 04	W 085 35	23	26 Ft	24
2	Same	Same	Sep 44	May 48	Same	Same	19	22 Ft	24
3	Tyndall AFB FL	AFB	Jun 48	Feb 61	Same	Same	26	Same	24
4	Same	Same	Mar 61	Jul 72	Same	Same	18	Same	24
5	Same	Same	Aug 72	Jul 82	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr to Oct 42	Located on SW corner of Operations Bldg.	Anemometer	N/A	20 Ft	
2	Nov 42 to Dec 45	Same	Selsyn	ML-144	40 Ft	
3	Jan 46 to Dec 57	Located on roof of Hangar, 50 yds W of station.	Same	Same	60 Ft	
4	Jan 58 to 6 Nov 63	Located between the active Rnwys, 500 yds E of station.	AN/GMQ-1	RO-2	10 Ft	
5	7 Nov 63 to Mar 65	1. Rnwy 31, located 2000 yds ESE of station. 2. Rnwy 13, located 1267 yds NNE of station.	Same	Same	Same	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION			REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	
6	Apr 65 to 21 May 69	1. Rnwy 31, located between active Rnwys adjacent to touchdown area.	Same	Same	Same
		2. Rnwy 13, located between active adjacent to touchdown area.	Same		Same
7	22 May 69 to Jun 70	1. Same	Same	RO-362	Same
		2. Same	Same		Same
8	Jul 70 to Jul 72	1. Same	AN/GMQ-2D	Same	13 Ft
		2. Same	Same		Same
9	Aug 72 to Jul 82	1. Same	Same	Same	Same
		2. Same			

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse .



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

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

FEDERAL CLIMATOLOGY BRANCH  
 AFSAFAC  
 WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

071 TUSCUMPH AFB FL 70-87 JAN  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOUR EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREELING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	SAFETY WITH REDU VISION	TOTAL NO. OF OBS
JAN	0-22	.2	10.2				10.2	27.6	3.3			20.1	37
	3-12	.4	9.6				9.6	20.8	4.4			13.	37
	6-15	.4	8.5				8.5	29.2	7.2			10.1	37
	9-11	.6	8.5				8.5	18.6	1.7			10.6	37
	13-14	.7	9.2		.2		9.2	12.2	7.3			17.6	37
	16-17	.5	9.6				9.6	13.7	2.6			17.3	37
	19-21	.4	9.2				9.2	16.5	8.9			11.3	37
	24-23	.7	10.9				10.9	23.3	5.4			16.3	37
TOTALS		.5	9.4		.2		9.5	21.5	6.4			20.6	6696

FEDERAL CLIMATOLOGY BRANCH  
 AFM/FETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

4775  
 STATION

TYMCALL AFB FL  
 STATION NAME

73-81  
 YEARS

FEB  
 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
FEB	0-23	1.6	9.6	.3	.3		9.6	24.4	5.5		.4	25.7	767
	03-05	.4	9.1	.1	.3		9.4	23.0	4.6		.3	27.0	767
	06-08	.5	9.2	.3	.3		9.6	25.5	7.5		.4	29.7	767
	09-11	.1	7.2				7.2	15.5	9.1		.8	22.9	767
	12-14	.3	7.2				7.2	9.6	7.2		.7	16.8	767
	15-17	.7	6.3				6.3	9.6	11.0		.4	18.0	767
	18-20	.7	4.9				4.9	12.7	9.7		.4	21.1	767
	21-23	1.0	6.7				6.7	20.6	7.3		.4	25.3	767
TOTALS		.7	7.5	.1	.1		7.6	17.6	7.7		.5	23.7	6796

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

STATION: MACDILL AFB FL YEARS: 73-81 MONTH: MAC  
 STATION NAME: \_\_\_\_\_ YEARS: \_\_\_\_\_ MONTH: \_\_\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	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
10-12	1.7	8.1					8.1	31.2	4.7			34.2	837
13-21	2.5	7.6	.4				8.1	23.8	3.9			26.1	837
6-26	2.3	5.7			.1		5.9	22.1	10.3		.2	37.4	837
9-11	2.0	7.0			.2		7.3	14.6	9.9			21.1	837
17-14	1.4	5.4					5.4	10.5	10.5			19.7	836
15-17	1.8	6.7					6.7	12.5	12.7			27.9	837
18-2	1.3	5.5					5.5	20.3	12.9			28.7	837
1-23	2.3	6.6					6.6	27.4	7.4			31.1	837
TOTALS		1.9	6.6	.1	.3		6.7	22.8	9.3		.0	28.4	6695

FEDERAL CLIMATOLOGY BRANCH  
 WAFB/TAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

775 STATION TYNDALL AFB FL STATION NAME 73-81 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
APP	0-02	1.2	3.2				3.2	24.7	9.4			29.4	810
	03-05	1.2	3.2				3.2	27.7	6.7			31.2	810
	6-08	.9	4.8				4.8	23.2	10.7			35.1	810
	09-11	1.5	5.1				5.1	6.9	12.0			17.4	810
	12-14	1.4	4.2				4.2	3.7	9.5			12.3	810
	15-17	.7	4.0				4.0	3.2	11.6			13.8	810
	18-20	.6	4.3				4.3	9.4	11.7			19.3	810
	21-23	.9	3.8				3.8	14.0	11.2			20.7	810
TOTALS		1.1	4.1				4.1	14.0	10.4			21.5	6480



GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**WEATHER CONDITIONS**

747757      TYNDALL AFB FL      73-81      JUN  
 STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-05	2.6	2.1				2.1	4.3	9.9			12.3	817
	06-11	3.3	3.3				3.3	11.5	12.6			18.4	817
	12-17	3.3	4.8				4.8	7.4	15.8			19.6	817
	18-23	1.6	3.2				3.2	.9	11.4			12.2	817
	24-29	3.5	3.2				3.2	.7	11.5			12.1	817
	30-31	5.2	4.6				4.6	.2	13.2			13.5	817
		1.7	2.1				2.1	1.1	14.7			15.3	817
		2.0	2.0				2.0	1.5	10.1			11.0	817
TOTALS		2.9	3.2				3.2	3.5	12.4			14.3	6487







FEDERAL BUREAU OF SURVEY  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AT WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

247751  
 STATION

TYNDALL AFB FL

73-81

SEP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	0-02	2.0	4.8				4.8	4.2	14.2			17.0	910
	03-05	3.1	6.3				6.3	10.9	16.9			24.1	910
	6-08	3.0	6.9				6.9	14.3	25.2			32.5	910
	9-11	1.4	4.1				4.1	2.8	17.4			19.6	910
	12-14	3.5	6.0				6.0	2.0	16.2			17.8	910
	15-17	2.1	5.6				5.6	2.0	18.0			19.9	910
	18-20	.9	5.1				5.1	1.2	14.0			15.1	910
	21-23	1.5	3.6				3.6	1.1	12.3			13.3	910
TOTALS		2.2	6.1				6.1	4.8	16.8			19.9	6480

FEDERAL CLIMATOLOGY BRANCH  
 AF TAC  
 AT WEATHER SERVICE/VMC

**WEATHER CONDITIONS**

14775  
 STATION

BYNDALL AFB FL  
 STATION NAME

73-81  
 YEARS

OCT  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	0-00		3.2				3.2	17.0	7.6			14.7	937
	3-00	.4	3.1				3.1	13.0	10.5			16.1	937
	6-00	.2	4.3				4.3	16.1	13.5			23.7	937
	9-11	.2	5.0				5.0	6.0	7.8			12.9	937
	12-14	.6	3.7				3.7	2.4	5.6			7.5	937
	15-17	.6	4.2				4.2	2.9	5.6			5.4	937
	18-20	.2	3.7				3.7	3.3	6.2			3.7	937
	21-23	.1	2.7				2.7	7.4	5.7			11.0	937
TOTALS		.2	3.7				3.7	7.7	7.8			13.3	6696

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

14775 STATION TYNDALL AFB FL 73-81 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	0-22	.2	5.4				5.4	20.1	6.5			23.0	817
	3-25	.4	6.3				6.3	22.7	5.8			25.3	817
	6-25	.7	7.4				7.4	21.5	8.4			25.4	810
	9-11	.4	4.4				4.4	3.1	6.3			12.7	817
	12-14		4.9				4.9	4.2	4.4			9.1	810
	15-17	.2	7.8				7.8	5.4	4.6			9.3	817
	18-2	.1	4.9				4.9	7.4	4.6			12.2	810
	21-23	.2	6.6				6.6	14.7	5.9			16.5	809
TOTALS		.3	6.7				6.0	12.9	5.6			16.4	6479

CENTRAL CLIMATOLOGY BRANCH  
 WPC/TAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

1977 TYNBALL AFB FL 73-81 DEC  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	0-22		7.4				7.4	19.1	4.7			21.8	937
	3-10	.6	6.2				6.2	20.5	3.8			22.6	937
	6-16	.7	7.6				7.6	21.0	6.6			24.7	937
	9-11	.7	6.7				6.7	13.1	4.3			16.5	937
	12-14	.2	7.2				7.2	7.5	5.1			12.2	937
	15-17		6.1				6.1	7.8	5.0			11.8	937
	18-20		6.6				6.6	12.4	4.6			15.2	934
	21-23		5.4				5.4	15.5	4.4			16.0	934
TOTALS		.3	6.9				6.9	14.6	4.8			17.8	6657

FEDERAL CLIMATOLOGY BRANCH  
 WPC, TAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

047757 TYNDALE AFB FL 73-81 ALL  
 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.5	7.4		.3		9.5	71.5	6.4			75.6	6696
FEB		.7	7.5	.1	.1		7.6	17.6	7.7		.5	23.7	6796
MAR		1.9	6.6	.1	.0		6.7	22.6	9.0		.0	28.4	6695
APR		1.1	4.1				4.1	14.0	10.4			21.5	6480
MAY		1.9	4.4				4.4	6.9	11.1			17.5	6696
JUN		2.9	3.2				3.2	3.5	12.4			14.3	6480
JUL		3.7	7.5				7.5	4.2	16.9			19.0	6696
AUG		4.6	6.4				6.4	3.4	12.8			14.8	6696
SEP		2.2	6.1				6.1	4.8	16.8			19.9	6480
OCT		.3	3.7				3.7	7.7	7.8			13.3	6696
NOV		.3	6.0				6.0	12.9	5.8			16.4	6479
DEC		.3	6.9				6.9	14.6	4.8			17.8	6697
TOTALS		1.7	6.7	.0	.0		6.0	11.3	10.2		.0	19.4	78887

## PART A

## ATMOSPHERIC PHENOMENA

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

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

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

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

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

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL BRANCH  
 WASHINGTON, D. C.  
 ALL WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
**WEATHER CONDITIONS**  
 ATMOSPHERIC PHENOMENA

STATION NO. 46-111 STATION NAME MACALL AIR FL YEARS 1951-1952 MONTH ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS EST	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 BEST TO VISUAL	TOTAL NO. OF OBS
JAN.	DAILY	4.8	4.6		.6		40.1	53.8	34.7				1114
FEB.		5.1	4.5	.2	.5	.1	38.9	43.8	36.3		.2	47.7	1114
MAR.		13.0	34.3	.1	.4	.1	38.9	48.7	36.7			41.0	1114
APR.		1.5	16.7			.2	25.8	45.0	34.7			38.4	1114
MAY.		18.5	28.9			.1	20.0	23.5	21.5		.1	41.7	1114
JUN.		20.2	41.7			.1	41.5	18.1	28.5			33.1	1114
JUL.		46.6	54.4			.1	52.9	14.1	25.9		.1	35.7	1114
AUG.		47.8	57.1			.2	55.6	13.3	29.7			37.7	1114
SEP.		21.0	46.3			.2	44.8	19.3	29.4			35.7	1114
OCT.		5.6	25.3				24.2	25.1	29.3			47.0	1114
NOV.		1.5	10.6		.1		31.1	38.1	33.5			49.7	1114
DEC.		3.3	17.3		.4		35.5	42.5	34.3		.1	52.4	1114
TOTALS		13.0	28.9	.7	.2	.1	37.9	23.1	21.5		.2	45.5	1317



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

B

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

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

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

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

Air Force Stations:

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

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

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





# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME: STATION NAME YEARS

AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
61	0.77	1.34	2.1	0.16	1.62	4.47	0.95	0.69	1.47	1.04	1.47	1.	1.4
62	0.84	1.01	2.05	1.42	1.52	1.44	4.04	2.12	1.14	1.24	1.05	1.02	1.4
63	0.81	1.43	2.42	1.24	0.94	0.46	1.88	3.13	0.13	0.37	0.71	0.77	1.4
64	1.04	2.56	1.60	2.12	1.75	2.73	2.03	1.42	2.56	2.12	1.50	1.02	1.4
65	0.74	1.05	1.64	1.02	2.45	1.57	1.55	1.71	1.17	1.04	1.43	0.77	1.4
66	1.41	1.13	2.15	0.71	0.75	0.24	1.25	1.35	2.75	0.81	0.95	0.94	1.4
67	1.07	1.70	2.54	1.45	2.41	1.31	1.95	1.75	0.55	1.01	0.92	0.5	1.4
68	1.61	2.02	0.75	0.71	1.22	1.24	1.02	2.54	2.61	1.1	1.05	1.02	1.4
69	1.57	1.11	2.71	0.76	0.57	1.76	1.75	0.77	1.51	1.21	1.07	0.7	1.4
70	0.51	4.31	1.41	0.11	1.55	1.55	2.22	1.73	0.77	0.51	0.91	1.22	1.4
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
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89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN	1.377	1.589	2.134	1.618	1.347	1.715	2.349	2.092	2.315	1.522	1.610	1.510	1.434
S D	0.15	0.998	1.355	1.477	1.73	1.162	1.577	1.245	1.670	1.374	0.711	0.771	0.722
TOTAL OBS	1.7	1102	1224	122	1271	119	1227	1227	1159	1222	1097	1224	14433

NOTE: \* (BASED ON LESS THAN FULL MONTHS)

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL WEATHER SERVICE

**EXTREME VALUES**

FROM DAILY OBSERVATIONS

STATION NAME: [REDACTED] STATION NUMBER: [REDACTED] YEARS: [REDACTED]

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
61	1.53	1.27	1.77	1.57	1.53	1.17	1.03	1.00*	1.75	1.71	1.44	1.77	1.53
62	2.47	4.20	1.34	1.14	2.57	1.65	1.91	1.97	1.07	1.72	1.74	1.77	1.77
63	4.54	2.72	1.10	2.31	1.85	2.14	14.33	2.79	1.41	2.27	1.73	1.77	1.77
64	5.71	1.85	2.57	1.52	2.54	2.77	4.81	1.75	1.27	1.51	2.77	1.77	1.77
65	4.71	2.24	1.77	4.96	4.71	5.91	2.51	1.57	1.41	1.47	1.77	1.77	1.77
66	5.93	2.33	1.13	2.37	1.77	4.75	16.75	2.57	1.47	1.77	1.77	1.77	1.77
67	1.12	4.16	1.93	2.74	1.60	3.44	14.05	1.91	1.71	4.77	1.25	1.77	1.77
68	TRAC	2.55	4.67	6.57	1.57	2.84	12.47	2.56	2.77	1.44	1.77	1.77	1.77
69	1.42	1.2	1.27	4.1	2.72	2.14	11.41	2.54	1.12	1.52	1.62	2.77	1.77
70	1.47	5.24	5.47	2.12	1.67	1.73	1.77	1.12	1.12	1.44	1.94	1.77	1.77
71	2.77	2.78	2.32	1.23	1.87	10.44	2.77	4.77	11.77	1.17	4.77	11.77	1.77
72	1.44	2.72	2.57	1.57	1.66	4.74	4.65	1.69	1.74	1.77	2.47	1.77	1.77
73	2.77	1.35	1.47	5.3	1.91	2.73	2.75	1.69	2.71	2.51	1.44	1.77	1.77
74	4.05	3.98	2.64	1.25	2.25	4.73	2.05	4.85	1.92	5.77	1.44	2.77	1.77
75	1.12	1.73	4.75	5.42	1.77	10.75	4.41	1.32	1.51	5.74	1.67	1.77	1.77
76	4.54	2.66	1.14	5.18	1.27	3.44	4.05	1.60	2.07	2.27	2.77	1.77	1.77
77	4.44	5.94	2.68	2.77	1.67	5.51	11.04	11.75	11.74	11.41	1.74	1.77	1.77
78	3.75	5.96	4.47	2.81	2.74	4.47	4.47	1.67	1.57	1.71	1.77	1.77	1.77
79	2.77	1.51	1.31	2.46	2.82	2.77	5.42	1.22	1.44	1.25	1.59	1.44	1.77
80	2.17	1.51	2.57	2.1	1.12	1.47	1.55	2.56	1.44	1.77	4.71	1.77	1.77
81	3.05	2.63	1.77	1.44	1.43	4.27	5.6	1.44	1.77	1.01	1.34	1.77	1.77
82	6.24	2.62	2.39	2.79	2.74	4.13	12.75	4.71	1.77	2.77	2.77	1.77	1.77
83	2.97	1.13	1.67	4.26	TRAC	13.53	5.42	2.71	2.07	1.81	2.25	1.77	1.77
84	6.14	6.36	2.27	1.7	2.77	1.71	5.52	1.77	2.74	1.31	2.73	1.77	1.77
85	1.12	5.5	1.37	TRAC	1.75	6.78	2.82	4.76	1.67	2.24	1.43	1.77	1.77
86	1.57	2.70	1.47	1.77	1.12	1.7	4.41	2.75	1.83	1.31	2.57	1.77	1.77
87	1.54	4.83	5.38	1.31	4.75	1.24	2.86	1.65	1.44	1.77	2.55	1.77	1.77
88	4.02	1.32	4.67	2.57	2.77	5.67	5.71	11.23	2.74	2.97	1.71	1.77	1.77
89	2.31	2.82	2.4	1.7	1.15	2.75	2.55	1.67	1.54	2.47	1.12	2.77	1.77
MEAN													
S D													
TOTAL OBS.													

USAF ETAC FORM 0-88 5 (OLA)  
 JUL 84

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME: STATION NAME STATION NUMBER: STATION NUMBER YEARS: STATION YEARS

## TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1951	1.43	7.41	1.67	1.71	2.67	5.72	1.12	1.71	2.41	7.71	1.31	5.1	41.12
1952	4.11	4.74	12.26	5.12	3.43	3.22	12.29	5.81	3.75	1.81	2.22	4.41	61.12
1953	1.77	2.14	1.24	2.49	1.51	1.91	7.85	1.17	11.34	1.21	2.72	1.17	44.72
1954	1.13	7.68	1.72	5.13	7.37	5.12	21.42	5.61	2.25	7.22	1.21	1.21	82.47
1955	1.11	1.49	4.76	1.74	1.72	4.75	2.7	1.59	1.71	6.36	5.31	1.1	11.47
1956	1.6	7.17	7.49	1.67	1.91	1.24	5.21	13.26	1.25	1.21	1.11	1.11	11.17
1957	1.1	5.18	1.22	1.12	1.71	5.44	15.71	4.79	1.71	1.1	1.29	1.17	11.12
1958	1.11	4.92	2.4	1.72	7.44	2.54	17.17	9.47	12.21	1.21	1.42	1.24	11.22
1959	6.21	2.32	1.26	1.22	1.43	2.56	7.45	4.5	5.52	4.77	2.47	1.1	11.1
1960	1.41	5.79	3.51	1.13	2.47	7.69	5.62	7.73	2.11	2.22	1.27	1.12	41.12
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971													
1972													
1973													
1974													
1975													
1976													
1977													
1978													
1979													
1980													
MEAN	2.67	2.73	3.24	3.93	2.97	4.42	4.43	6.91	2.92	3.12	2.15	3.32	51.52
S D	1.1	2.12	3.34	2.63	2.26	3.28	4.74	7.25	3.57	2.22	2.52	2.12	17.82
TOTAL OBS	1	112	122	122	122	112	122	122	112	122	112	112	1422

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

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UNITED STATES AIR FORCE  
 AIR FORCE WEATHER SERVICE  
 WPC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 (FROM DAILY OBSERVATIONS)

STATION: 17407 IRVING AFB FL STATION NAME: 46-91 YEARS: \_\_\_\_\_

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	9.7	.4		.1										.1	1116	TRACE	.0	.0
FEB	9.7	.4	.1	.1										.2	1017	TRACE	.0	.0
MAR	9.7	.4													1116	TRACE	TRACE	.0
APR	9.7														1017	.0	.0	.0
MAY	9.7														1116	.0	.0	.0
JUN	9.7														1116	.0	.0	.0
JUL	9.7														1116	.0	.0	.0
AUG	9.7														1116	.0	.0	.0
SEP	9.7														1017	.0	.0	.0
OCT	9.7														1116	.0	.0	.0
NOV	9.7	.1													1017	TRACE	TRACE	.0
DEC	9.7	.4													1116	TRACE	TRACE	.0
ANNUAL	9.7	.1	.1	.2										.3	13149	.0		



STATION NUMBER: 11111  
 STATION NAME: KANSAS CITY

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: 11111 STATION NAME: KANSAS CITY YEARS: 1950-1999

AMOUNTS IN INCH

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1950	.	.	.	.	.	.	.	.	.	.	.	.	.
1951	.	.	.	.	.	.	.	.	.	.	.	.	.
1952	.	.	.	.	.	.	.	.	.	.	.	.	.
1953	.	.	.	.	.	.	.	.	.	.	.	.	.
1954	.	.	.	.	.	.	.	.	.	.	.	.	.
1955	.	.	.	.	.	.	.	.	.	.	.	.	.
1956	TRACE	.	.	.	.	.	.	.	.	.	.	.	.
1957	.	.	.	.	.	.	.	.	.	.	.	.	.
1958	TRACE	TRACE	.	.	.	.	.	.	.	.	.	.	.
1959	.	.	.	.	.	.	.	.	.	.	.	.	.
1960	.	.	.	.	.	.	.	.	.	.	.	.	.
1961	.	.	.	.	.	.	.	.	.	.	.	.	.
1962	.	.	.	.	.	.	.	.	.	.	.	.	.
1963	.	.	.	.	.	.	.	.	.	.	.	.	.
1964	.	.	.	.	.	.	.	.	.	.	.	.	.
1965	TRACE	.	.	.	.	.	.	.	.	.	.	.	.
1966	.	.	.	.	.	.	.	.	.	.	.	.	.
1967	.	.	.	.	.	.	.	.	.	.	.	.	.
1968	.	.	.	.	.	.	.	.	.	.	.	.	.
1969	.	.	.	.	.	.	.	.	.	.	.	.	.
1970	.	TRACE	.	.	.	.	.	.	.	.	.	.	.
1971	.	.	.	.	.	.	.	.	.	.	.	.	.
1972	.	.	.	.	.	.	.	.	.	.	.	.	.
1973	.	.	.	.	.	.	.	.	.	.	.	.	.
1974	.	.	.	.	.	.	.	.	.	.	.	.	.
1975	.	.	.	.	.	.	.	.	.	.	.	.	.
1976	.	.	.	.	.	.	.	.	.	.	.	.	.
1977	.	.	.	.	.	.	.	.	.	.	.	.	.
1978	.	.	.	.	.	.	.	.	.	.	.	.	.
1979	.	.	.	.	.	.	.	.	.	.	.	.	.
1980	.	.	TRACE	.	.	.	.	.	.	.	.	.	.
1981	.	.	.	.	.	.	.	.	.	.	.	.	.
1982	.	.	.	.	.	.	.	.	.	.	.	.	.
1983	.	.	.	.	.	.	.	.	.	.	.	.	.
1984	.	.	.	.	.	.	.	.	.	.	.	.	.
1985	.	.	.	.	.	.	.	.	.	.	.	.	.
1986	.	.	.	.	.	.	.	.	.	.	.	.	.
1987	.	.	.	.	.	.	.	.	.	.	.	.	.
1988	.	.	.	.	.	.	.	.	.	.	.	.	.
1989	.	.	.	.	.	.	.	.	.	.	.	.	.
1990	.	.	.	.	.	.	.	.	.	.	.	.	.
1991	.	.	.	.	.	.	.	.	.	.	.	.	.
1992	.	.	.	.	.	.	.	.	.	.	.	.	.
1993	.	.	.	.	.	.	.	.	.	.	.	.	.
1994	.	.	.	.	.	.	.	.	.	.	.	.	.
1995	.	.	.	.	.	.	.	.	.	.	.	.	.
1996	.	.	.	.	.	.	.	.	.	.	.	.	.
1997	.	.	.	.	.	.	.	.	.	.	.	.	.
1998	.	.	.	.	.	.	.	.	.	.	.	.	.
1999	.	.	.	.	.	.	.	.	.	.	.	.	.
MEAN													
S.D.													
TOTAL OBS.													

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

12712

YEARS

PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL OBS	112	112	112	112	112	112	112	112	112	112	112	112	112

NOTE: (BASED ON LESS THAN FULL MONTHS)

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: MACFALL AFB FL STATION NAME: MACFALL YEARS: 1951

## TOTAL MONTHLY RAINFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	.	.	.	.	.	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.	.	.	.	.	.
5	TRACE	.	TRACE	.	.	.	.	.	.	.	.	.	TRACE
6	TRACE	.	.	.	.	.	.	.	.	.	.	.	.
7	.	TRACE	.	.	.	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.	.	.	.	.	.
9	.	.	.	.	.	.	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.	.	.	.	.	.	.
12	TRACE	.	.	.	.	.	.	.	.	.	TRACE	.	TRACE
13	.	.	.	.	.	.	.	.	.	.	.	.	.
14	.	.	.	.	.	.	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.	.	.	.	.	.	.
16	.	TRACE	.	.	.	.	.	.	.	.	.	.	.
17	.	.	.	.	.	.	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.	.	.	.	.	.	.
19	.	.	.	.	.	.	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.	.	.	.	.	.	.
21	.	.	.	.	.	.	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.	.	.	.	.	.	.
25	.	.	TRACE	.	.	.	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.	.	.	.	.	.	.
27	.	.	.	.	.	.	.	.	.	.	.	.	.
28	.	.	.	.	.	.	.	.	.	.	.	.	.
29	.	.	.	.	.	.	.	.	.	.	.	.	.
30	.	.	.	.	.	.	.	.	.	.	.	.	.
31	.	.	.	.	.	.	.	.	.	.	.	.	.
32	.	.	.	.	.	.	.	.	.	.	.	.	.
33	.	.	.	.	.	.	.	.	.	.	.	.	.
34	.	.	.	.	.	.	.	.	.	.	.	.	.
35	.	.	.	.	.	.	.	.	.	.	.	.	.
36	.	.	.	.	.	.	.	.	.	.	.	.	.
37	.	.	.	.	.	.	.	.	.	.	.	.	.
38	.	.	.	.	.	.	.	.	.	.	.	.	.
39	.	.	.	.	.	.	.	.	.	.	.	.	.
40	.	.	.	.	.	.	.	.	.	.	.	.	.
41	.	.	.	.	.	.	.	.	.	.	.	.	.
42	.	.	.	.	.	.	.	.	.	.	.	.	.
43	.	.	.	.	.	.	.	.	.	.	.	.	.
44	.	.	.	.	.	.	.	.	.	.	.	.	.
45	.	.	.	.	.	.	.	.	.	.	.	.	.
46	.	.	.	.	.	.	.	.	.	.	.	.	.
47	.	.	.	.	.	.	.	.	.	.	.	.	.
48	.	.	.	.	.	.	.	.	.	.	.	.	.
49	.	.	.	.	.	.	.	.	.	.	.	.	.
50	.	.	.	.	.	.	.	.	.	.	.	.	.
51	.	.	.	.	.	.	.	.	.	.	.	.	.
52	.	.	.	.	.	.	.	.	.	.	.	.	.
53	.	.	.	.	.	.	.	.	.	.	.	.	.
54	.	.	.	.	.	.	.	.	.	.	.	.	.
55	.	.	.	.	.	.	.	.	.	.	.	.	.
56	.	.	.	.	.	.	.	.	.	.	.	.	.
57	.	.	.	.	.	.	.	.	.	.	.	.	.
58	.	.	.	.	.	.	.	.	.	.	.	.	.
59	.	.	.	.	.	.	.	.	.	.	.	.	.
60	.	.	.	.	.	.	.	.	.	.	.	.	.
61	.	.	.	.	.	.	.	.	.	.	.	.	.
62	.	.	.	.	.	.	.	.	.	.	.	.	.
63	.	.	.	.	.	.	.	.	.	.	.	.	.
64	.	.	.	.	.	.	.	.	.	.	.	.	.
65	.	.	.	.	.	.	.	.	.	.	.	.	.
66	.	.	.	.	.	.	.	.	.	.	.	.	.
67	.	.	.	.	.	.	.	.	.	.	.	.	.
68	.	.	.	.	.	.	.	.	.	.	.	.	.
69	.	.	.	.	.	.	.	.	.	.	.	.	.
70	.	.	.	.	.	.	.	.	.	.	.	.	.
71	.	.	.	.	.	.	.	.	.	.	.	.	.
72	.	.	.	.	.	.	.	.	.	.	.	.	.
73	.	.	.	.	.	.	.	.	.	.	.	.	.
74	.	.	.	.	.	.	.	.	.	.	.	.	.
75	.	.	.	.	.	.	.	.	.	.	.	.	.
76	.	.	.	.	.	.	.	.	.	.	.	.	.
77	.	.	.	.	.	.	.	.	.	.	.	.	.
78	.	.	.	.	.	.	.	.	.	.	.	.	.
79	.	.	.	.	.	.	.	.	.	.	.	.	.
80	.	.	.	.	.	.	.	.	.	.	.	.	.
81	.	.	.	.	.	.	.	.	.	.	.	.	.
82	.	.	.	.	.	.	.	.	.	.	.	.	.
83	.	.	.	.	.	.	.	.	.	.	.	.	.
84	.	.	.	.	.	.	.	.	.	.	.	.	.
85	.	.	.	.	.	.	.	.	.	.	.	.	.
86	.	.	.	.	.	.	.	.	.	.	.	.	.
87	.	.	.	.	.	.	.	.	.	.	.	.	.
88	.	.	.	.	.	.	.	.	.	.	.	.	.
89	.	.	.	.	.	.	.	.	.	.	.	.	.
90	.	.	.	.	.	.	.	.	.	.	.	.	.
91	.	.	.	.	.	.	.	.	.	.	.	.	.
92	.	.	.	.	.	.	.	.	.	.	.	.	.
93	.	.	.	.	.	.	.	.	.	.	.	.	.
94	.	.	.	.	.	.	.	.	.	.	.	.	.
95	.	.	.	.	.	.	.	.	.	.	.	.	.
96	.	.	.	.	.	.	.	.	.	.	.	.	.
97	.	.	.	.	.	.	.	.	.	.	.	.	.
98	.	.	.	.	.	.	.	.	.	.	.	.	.
99	.	.	.	.	.	.	.	.	.	.	.	.	.
100	.	.	.	.	.	.	.	.	.	.	.	.	.
MEAN													
SD													
TOTAL OBS													

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

PERIOD

YEARS

## TOTAL MONTHLY RAINFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1976	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1979	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1980	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN													
S D													
TOTAL OBS													

2

U.S. NATIONAL WEATHER SERVICE  
 NATIONAL CLIMATOLOGICAL DATA CENTER  
 WASHINGTON, D.C. 20541

**DAILY AMOUNTS**  
 PERCENTAGE FREQUENCY OF  
 (FROM DAILY OBSERVATIONS)

STATION ANN ARBOR MI STATION NAME ANN ARBOR 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
SNOWFALL	NONE	TRACE	0.1	0.4	0.5	1.4	2.5	3.4	4.4	5.6	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																										
FEB																										
MAR																										
APR																										
MAY																										
JUN																										
JUL																										
AUG																										
SEP																										
OCT																										
NOV																										
DEC																										
ANNUAL																										





U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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





U.S. CLIMATE RECORD  
 ETAC  
 ST. LOUIS, MO

**EXTREME VALUES**

FROM DAILY OBSERVATIONS

STATION: ST. LOUIS, MO STATION NAME: ST. LOUIS, MO YEARS: 1971-1975

DAILY YEAR WIND SPEED IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1971	21 / 31	3414 / 3428	3473 / 2631	3415 / 2725	2474 / 2874	2874 / 2134	2214 / 2214	2214 / 2214	2214 / 2214	2214 / 2214	2214 / 2214	2214 / 2214	2214 / 2214
1972	4327 / 787	3371 / 2931	2117 / 2172	2212 / 2411	1435 / 147	2225 / 2225	2225 / 2225	2225 / 2225	2225 / 2225	2225 / 2225	2225 / 2225	2225 / 2225	2225 / 2225
1973	412 / 3213	4479 / 1771	371 / 1924	341 / 2215	2215 / 2215	2215 / 2215	2215 / 2215	2215 / 2215	2215 / 2215	2215 / 2215	2215 / 2215	2215 / 2215	2215 / 2215
1974	1111 / 1111	4111 / 2115	357 / 2223	2114 / 2214	4111 / 3311	11 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114
1975	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114	2114 / 2114
MEAN	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
S D	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
TOTAL OBS	31	31	31	31	31	31	31	31	31	31	31	31	31

USAF ETAC FORM 0885 (OLA) JUL 64 (BASED ON LESS THAN FULL MONTHS AND \*1 KNOTS)

2

FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: TYNDALL AFB FL STATION NAME: 73-81 YEARS: JAN  
 CLASS: ALL WEATHER MONTH: 000-000  
 CONDITION: \_\_\_\_\_

SPEED (KTS) DIR	1-3	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	5.3	4.4	2.3								14.6	6.9
NNE	.7	3.7	2.4	.1								5.5	1.1
NE	1.4	4.5	1.3	.1								7.4	3.1
ENE	1.7	1.5	1.3	.2								4.7	3.4
E	1.6	4.4	2.4	.2								7.5	3.5
ESE	1.1	1.3	1.3									4.3	3.5
SE	.7	.7	.7	.5	.1							2.7	2.5
SSE	.2	1.8	1.1	.2	.1							3.2	3.1
S	.1	2.5	2.7	.2								5.5	6.1
SSW		.7		.1								.8	3.9
SW	.2	.4		.2	.1							1.3	3.5
WSW		.3	.2	.2								1.3	2.7
W	.4	.5	.7	.7	.1							2.4	3.1
WNW	.1	.2	.4	.1	.2							1.1	3.4
NW	.2	.4	.7	1.0	.1		.1					2.7	3.8
NNW	.5	1.8	3.2	1.3	.2							7.2	5.4
VARBL													
CALM												24.1	
	17.3	31.7	22.1	7.6	1.1		.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 577

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

147700 TYNDALL AFB FL 77-81  
 STATION STATION NAME YEAR  
 ALL WEATHER  
 CLASS  
 CONDITION  
 0300-0900  
 HOUR (LST)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.5	6.5	6.2	2.0								15.3	6.7
NNE	1.2	7.3	2.4	.5								7.4	6.1
NE	1.7	4.2	1.6	.4								7.8	5.5
ENE	.8	3.3	1.8									7.2	4.9
E	1.7	3.9	1.2	.2								6.9	5.1
ESE	.7	2.0	1.7	.2								4.2	6.7
SE	.6	.4	1.7	1.4	.4							3.7	9.3
SSE	1.1	1.4	.8	.2	.1							3.7	5.6
S	1.1	2.7	1.1									4.2	5.1
SSW	.4	.2	.5									1.1	5.3
SW	.2	.4	.4									.5	6.3
WSW	.1	.2	.1		.1							.5	8.2
W	.1	.4	.8	.4	.2							1.9	9.6
WNW	.8	.7	.1	.5	.4							2.2	8.8
NW	.5	.6	1.1	1.0	.1							3.5	8.5
NNW	.7	1.3	2.6	2.0	.5							7.2	9.2
VARBL													
CALM												10.1	
	15.1	30.8	23.3	3.8	1.8							100.2	5.4

TOTAL NUMBER OF OBSERVATIONS

837

2

SIGNAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 7757 TYNDALL AFB FL 77-81 YEARS JAN MONTH  
CLASS ALL WEATHER HOURS (LST) 0600-1800  
CONDITION \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.1	5.0	5.9	2.6	.1							16.7	6.9
NNE	.5	4.4	3.2	1.1								9.2	7.2
NE	1.0	3.1	3.1	.2								8.0	5.3
ENE	.2	5.1	1.9	.2								9.3	5.1
E	2.2	4.8	2.2	.1								10.3	4.7
ESE	.2	2.0	1.4	.2								4.9	5.8
SE	.7	1.3	.7	.8	.2							3.8	7.9
SSE	.5	.8	1.1	.8	.4							3.6	9.0
S	.5	1.7	1.4	.1	.1							3.9	6.5
SSW	.4	.4	.6									1.3	5.5
SW		.0		.1								.5	6.8
WSW	.1	.2				.1						.5	9.5
W	.1	.5	.4	.1								1.1	6.8
WNW	.1	.5	.5	.5	.2							1.8	9.7
NW	.5	1.2	1.3	1.2	.1							4.3	8.9
NNW	.5	.6	2.4	2.3	.1							5.9	9.9
VARBL													
CALM												15.1	
	17.1	31.9	26.0	17.5	1.3	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 837



2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 24775 TYNDALL AFB FL STATION NAME: 77-81 YEAR: JAN  
 CLASS: ALL WEATHER MONTH: 900-1100  
 CONDITION: \_\_\_\_\_

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.6	4.7	2.7								12.7	7.8
NNE	2.0	3.9	5.7	.6								12.2	6.6
NE	1.4	2.3	3.7	.1								6.8	5.9
ENE	1.6	5.1	3.7	.5								13.8	5.9
E	1.9	3.8	3.8	.4								9.9	6.1
ESE	1.0	1.7	1.9	.6								5.1	6.6
SE	.5	.9	.8	1.1	.6							3.9	6.2
SSE	.4	1.9	1.7	1.4	.4							5.7	6.9
S	.7	2.9	2.5	.7	.1							6.9	7.7
SSW	.5	.6	.7	.1								2.3	5.7
SW		.7	.4									1.1	6.3
WSW	.5	.6	.2									1.4	4.1
W	.7	.1	1.2	.1	.1							1.8	8.0
WNW	.1	.5	1.1	1.2	.1							3.0	10.4
NW	.2	1.7	2.0	1.4								4.7	9.7
NNW	.7	2.2	2.5	2.5	.1							7.5	9.3
VARBL													
CALM												4.4	
	17.3	31.4	36.7	13.5	1.4							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 837

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 7475 TYNDALL AFB FL STATION NAME: TYNDALL AFB FL YEARS: 73-81 MONTH: JAN  
CLASS: ALL WEATHER HOURS (L & T): 1700-1400  
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	1.4	3.7	6.5	7.0								14.5	8.0
NNE	1.4	2.3	3.7	.2								7.6	6.8
NE	.6	1.8	.7	.2								3.3	5.6
ENE	.5	1.3	1.6									3.3	5.0
E	.6	2.3	2.5	.1								5.5	5.3
ESE	.8	1.1	.4	.6								2.9	6.3
SE	.4	.3	.6	1.4	.8	.1						4.2	11.5
SSE	.2	1.7	3.7	7.1	.5							8.5	10.4
S	1.0	5.6	4.3	1.2	.1							11.9	8.9
SSW	1.1	2.0	.8	.2								5.2	6.7
SW	.4	2.3	.4	.1								3.1	6.0
WSW	.8	2.7	1.3	.1								4.3	5.6
W	.6	1.3	2.5	1.4								5.9	7.9
WNW	.1	.9	.5	1.2	.2							2.9	10.3
NW	.2	1.4	3.1	1.0	.1							6.5	7.2
NNW	1.2	2.7	2.9	1.8								7.9	7.8
VARBL													
CALM												0.5	
	1.9	32.6	35.4	15.5	1.8	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 637

2

FEDERAL BUREAU OF METEOROLOGY  
 NATIONAL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: TYNDALL AFB FL STATION NAME: TYNDALL AFB FL YEARS: 77-81 MONTH: JAN  
 CLASS: ALL WEATHER HOURS: 1500-1700  
 CONDITION: \_\_\_\_\_

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	5.0	5.4	2.3	.1							14.6	7.2
NNE	1.0	1.8	2.9									5.6	6.3
NE	1.4	2.5	1.2									3.6	5.7
ENE	1.2	1.1	.1									3.0	6.1
E	1.7	1.2	.8	.4								3.1	6.7
ESE	1.7	1.3										2.5	6.2
SE	1.7	1.7	1.3	1.1	.6	.7						5.4	9.5
SSE	1.7	2.7	4.5	1.7								9.8	7.8
S	2.0	4.4	1.9	.5								9.7	5.2
SSW	1.0	2.0	.5	.1		.1						3.7	5.5
SW	1.1	1.4	.5									3.0	4.6
WSW	1.3	2.6	2.4	.2	.1							6.7	6.1
W	2.0	2.3	3.6	.8								9.3	6.4
WNW	1.4	1.3	.6	.7								3.0	7.8
NW	1.4	.6	2.4	.8								4.2	6.2
NNW	1.0	1.7	3.1	1.7								6.7	8.6
VARBL													
CALM												6.2	
	15.1	33.7	33.5	10.4	.8	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 637



2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/LMAC

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

SURFACE WINDS

7775 STATION TYNDALE AFB FL STATION NAME 77-81 YEARS

ALL WEATHER

041 MONTH 1977-78 HOURS 107

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.2	5.1	5.5	1.8								17.6	6.2
NNE	1.7	2.4	3.1									6.3	5.9
NE	1.4	1.6	.4									3.3	4.1
ENE	1.2	1.4	.6									3.2	5.0
E	1.1	1.5	.8	.1								3.5	5.7
ESE	1.2	3.7	.5	.2								4.9	4.8
SE	1.2	2.3	1.1	.4	.5							6.3	6.7
SSE	.3	1.5	3.7	.7	.1							5.5	7.0
S	1.4	1.3	1.0	.7								4.4	6.1
SSW		.2	.4	.1								1.2	6.7
SW	.5	.2	.2									.7	5.0
WSW	.7	.7	.5	.5		.1						2.6	7.3
W	1.4	.7	.8	.7		.1	.1					3.2	7.5
WNW	.5	1.1	.4	.5								2.5	6.0
NW	2.5	1.5	.6	.5								5.1	4.7
NNW	1.4	.4	2.4	.8								5.5	7.1
VARBL													
CALM												22.7	
	21.5	76.3	21.5	7.0	.6	.2	.1					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

FEDERAL BUREAU OF METEOROLOGY  
 NATIONAL METEOROLOGICAL SERVICE/AMC

# SURFACE WINDS

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

17  
 STATION

TYNDALL AFB FL

STATION NAME

77-81

FEET

JAN  
 MONTH

ALL WEATHER  
 CLASS

100-0000  
 HOURS U.T.C.

CONDITION

SPEED KNTS DIR	1-3	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	5.0	2.2								10.1	6.8
NNE	.2	2.3	1.9	.4								3.7	3.9
NE	.8	3.6	1.4									5.7	5.6
ENE	.0	.5	1.7	.2								2.4	5.7
E	.1	3.1	1.6	.1								4.9	5.7
ESE	.4	1.4	.7									2.5	4.5
SE	1.7	1.7	.6									3.9	4.7
SSE	1.7	2.5	1.6	.8								6.2	6.5
S	1.1	1.2	1.7	.2	.1							4.3	6.6
SSW	.1	.2	.2	.1								1.3	6.4
SW		.1	1.1									1.1	7.3
WSW	.1	.1	1.2	.2	.1							1.7	7.7
W	.7	.1	.4	.7		.1						1.4	7.9
WNW	.1	.1	.4	.5	.2							1.3	9.5
NW	.6	1.4	.7	.5	.1	.2						3.5	8.4
NNW	1.0	1.7	2.2	1.2	.1		.1					4.7	8.4
VARBL													
CALM												10.6	
	14.9	29.4	23.2	6.7	.7	.4	.1					17.2	4.9

TOTAL NUMBER OF OBSERVATIONS

477

U.S. CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 NATIONAL WEATHER SERVICE/MSC

### SURFACE WINDS

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

STATION: TYNDALL AFB FL STATION NAME: 77-61 YEARS: JA  
 CLASS: ALL WEATHER MONTH: ALL  
 CONDITION: \_\_\_\_\_

SPEED KTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.7	4.4	5.5	2.4	0.7							10.5	7.3
NNE	1.2	2.9	2.2	0.4								7.5	6.4
NE	1.2	2.9	1.6	0.1								5.3	5.5
ENE	1.3	2.9	1.7	0.2								6.7	5.5
E	1.5	3.1	1.9	0.2								6.7	5.5
ESE	0.2	1.7	1.1	0.2								4.0	5.3
SE	0.0	1.7	0.9	0.0	0.4							4.3	5.7
SSE	0.4	1.7	2.2	1.1	0.2							6.5	7.0
S	1.2	2.7	2.7	0.4	0.1							6.4	6.7
SSW	0.4	1.8	0.5	0.1		0.1						3.1	5.6
SW	0.3	0.5	0.3	0.1		0.2						1.6	5.7
WSW	0.2	0.5	0.3	0.2	0.2	0.2						2.4	6.4
W	0.7	0.7	1.3	0.6	0.1	0.2	0.2					3.5	7.5
WNW	0.7	0.7	0.5	0.6	0.2	0.2	0.2					2.3	6.9
NW	0.5	1.0	1.5	0.9	0.1	0.2	0.2					4.3	6.7
NNW	0.4	1.5	2.7	1.7	0.1							6.5	6.6
VARBL												10.7	
CALM												10.0	5.8
	10.1	30.9	27.6	10.7	1.2	0.1	0.7					100.0	

TOTAL NUMBER OF OBSERVATIONS 6696

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2

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20540  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 77 TYNDALE AFB FL STATION NAME: 77-81 YEARS: \_\_\_\_\_  
 CLASS: ALL WEATHER MONTH: \_\_\_\_\_  
 CONDITION: \_\_\_\_\_

SPEED KNOTS DIR	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	4.6	5.7	7.1								7.1
NNE	.7	3.3	1.6	.1								3.1
NE	1.4	3.7	.9									4.2
ENE	1.4	2.6	.9	.3								3.1
E	1.4	1.4	1.6	.4								3.1
ESE	1.0	.8	.6	.3								2.5
SE	.7	.8	.7	.8								3.7
SSE	.7	1.6	1.7	1.7	.1	.1						3.4
S	.2	1.6	1.7	1.7	.1	.1						7.7
SSW	.2	2.5	.1	.6								5.6
SW	1.0	.9	.7	.1								3.4
WSW	.1	.4	1.3									3.5
W	.7	1.4	.9									6.7
WNW	.7	.7	.7	.4								6.4
NW	1.0	.9	.9	.5								6.5
NNW	.5	1.6	1.2	2.4								8.7
VARBL												4.7
CALM												4.7
	17.2	25.7	27.2	11.7	.3	.7						5.7

TOTAL NUMBER OF OBSERVATIONS: 767

FEDERAL METEOROLOGICAL BUREAU  
 WEATHER SERVICE - ZHAC

# SURFACE WINDS

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

STATION 77-61 TYNDALE AFB FL STATION NAME 77-61 YEARS  
 CLASS ALL WEATHER  
 CONDITION  
 FEET NORTH 300000 HOURS (LST)

SPEED KTS MPH	1-3	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	4.5	5.6	2.6								13.7	7.4
NNE	0.0	1.7	3.6	0.7								6.0	5.6
NE	1.7	2.8	1.7	0.1								6.3	5.4
ENE	1.7	3.6	2.8									7.6	5.2
E	1.7	1.4	1.7									4.8	5.2
ESE	0.7	1.4	0.5	0.4	0.1							3.5	4.4
SE	0.7	0.7	0.5	0.8								3.2	5.4
SSE	0.7	0.7	0.5	1.2	0.1							3.2	5.7
S	0.7	1.4	1.8	0.4	0.1							4.4	6.2
SSW	0.7	1.8	0.1									1.5	4.5
SW	0.7	0.7	0.4	0.7								2.2	5.7
WSW	0.7	0.7	0.4	0.7								1.4	5.4
W	0.7	1.4	1.0	0.9								4.1	7.5
WNW	0.7	1.4	0.0	0.0								3.5	7.2
NW	1.4	0.4	0.0	0.9								3.7	7.4
NNW	0.7	1.4	1.8	1.4	0.7							5.2	8.7
VARBL													
CALM												24.1	
	21.5	25.7	23.0	10.5	0.8							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 762

2

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFMTCAC  
 WEATHER SERVICE/VMAC

**SURFACE WINDS**

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

STATION: TYNDALL AFB FL STATION NAME: 73-81 YEARS: FEB  
 MONTH: 1900-1900  
 CLASS: ALL WEATHER  
 HOURS: 0000-2400  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	4.2	6.2	2.2								14.3	7.2
NNE	1.7	3.7	3.1	.5								8.1	6.5
NE	2.1	3.8	3.5									10.3	5.5
ENE	1.7	3.3	2.6	.3								5.1	5.5
E	1.8	1.7	2.1	.1								5.5	5.5
ESE	1.8	1.0	.4	.8								4.5	5.3
SE				.7	.1	.1						3.3	7.2
SSE	.4	.2	1.5	.4								3.4	7.3
S	.7	.7	1.7	.3	.1							3.8	6.7
SSW	.4		.1	.3	.1							1.2	7.0
SW		.4	.4									1.0	4.2
WSW	.1		.3									1.3	5.1
W	.4	1.7	1.2	.8	.3	.1						4.5	9.3
WNW	.3	.9	.2	.7	.3	.1						3.5	8.2
NW	.3	.3	1.7	.9	.1							3.3	5.2
NNW	.4	.5	3.5	1.6								6.3	9.2
VARBL													
CALM												18.2	
	17.3	24.5	22.7	9.1	1.0	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 762

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TYNALL AFB FL      YEARS: 73-81      MONTH: FEB  
 CLASS: ALL WEATHER      HOURS (L & P): 000-1100  
 CONDITION:

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	4.1	4.7	2.5	.1							12.5	7.8
NNE	1.6	2.5	3.9	.5								3.5	6.5
NE	1.7	2.1	3.5	.7								7.6	6.7
ENE	1.1	2.1	4.2	.8								3.1	7.1
E	1.4	3.9	3.9	.4								9.7	6.3
ESE		.2	1.7	.4	.1							3.0	8.5
SE	.4	.3	.9	.7	.8	.3						3.3	10.9
SSE		1.4	2.2	2.8	.4	.1						7.1	10.6
S	.4	2.1	2.9	1.0								6.4	7.7
SSW	.5	1.2	.3	.3								2.5	5.2
SW	.8	.7	.7	.3								2.1	4.3
WSW	.4	1.7	1.1	.5								3.7	7.0
W	.7	1.7	2.4	1.8	.5							7.1	9.5
WNW	.3	.3	1.8	.8								3.1	8.7
NW	.3	.9	1.3	1.4								3.9	9.1
NNW	1.0	1.6	2.2	1.3	.1							6.3	7.9
VARBL												4.3	
CALM												4.3	
	11.7	27.8	37.8	15.9	2.1	.4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 762

2

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 7479 STATION NAME TYNDALL AFB FL YEARS 77-81 MONTH FEB  
CLASS ALL WEATHER HOURS (L.S.T.) 1000-1400  
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	1.4	2.5	3.4	2.9								10.2	8.3
NNE	.7	2.1	3.0	.4	.1							6.3	7.1
NE	.4	.2	1.7	.1								3.0	6.8
ENE	.7	1.4	1.2	.1								3.4	5.9
E	.4	2.5	.8	.7								4.3	6.8
ESE	.6	.7	.3									1.3	4.6
SE		.7	1.0	.4	.4							2.1	10.8
SSE	.4	.4	2.4	5.9	1.2							10.2	12.3
S	.4	2.1	6.0	2.0	.3							11.8	9.5
SSW	.5	2.5	2.9	.3								6.2	6.6
SW	.7	3.8	2.8									7.2	5.9
WSW	.4	3.3	4.9	.1								8.7	6.7
W	.9	3.1	5.9	4.5	.5							14.8	9.3
WNW		.2	1.4	.5								2.8	8.4
NW	.3	.7	1.6	1.0								3.5	8.9
NNW	.1	1.3	1.4	1.3								4.2	9.1
VARBL													
CALM												.9	
	7.5	28.2	40.7	20.2	2.5							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 762



1  
2

USAFETAC  
CLIMATOLOGY BRANCH  
AFETAC  
METEOROLOGICAL SERVICE/CLMAC

# SURFACE WINDS

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

STATION: 10075 TYNDALE AFB FL STATION NAME: 73-81 YEARS: FEB MONTH: 1500-1700 HOURS (LST) CLASS: ALL WEATHER CONDITION:

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	3.5	4.1	2.1								1.5	7.8
NNE	.5	2.6	1.4	.1	.3							1.1	5.6
NE	.7	2.2	1.4	.4								1.3	7.2
ENE	.2	.2	.2									1.5	5.5
E	.3	1.9	1.2	.3								3.5	6.6
ESE	.5	.0	.4									1.8	4.9
SE	.4	.3	.8	.8	.1							2.4	9.4
SSE	.1	1.7	4.7	3.5	1.2							10.5	11.7
S	.0	3.0	5.8	1.3								11.1	7.4
SSW	1.5	3.3	2.6	.1								7.3	5.9
SW	.8	3.7	1.6									6.0	5.5
WSW	1.2	3.1	5.0	.5								9.8	6.7
W	.4	5.4	8.3	2.6	.4	.1						17.2	8.5
WNW	.1	.7	.7	1.0	.4							2.9	10.3
NW	.5	.4	.7	.4								2.0	7.5
NNW		.5	.0	1.6								3.1	10.1
VARBL													
CALM												.9	
	9.4	33.2	40.7	14.8	2.4	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 762

2

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 74757 TYNDALL AFB FL STATION NAME: 73-81 YEARS: FEB MONTH: 1977-2000 HOURS (LST): ALL WEATHER CLASS: CONDITION:

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.1	7.0	3.0	.4								11.5	5.3
NNE	1.7	2.0	1.0	.7								5.4	6.0
NE	.4	1.7	1.2									3.4	5.7
ENE	.3	.8	.8									1.8	6.2
E	.0	1.7	.5	.7								2.8	5.8
ESE	.3	1.6	1.0									2.4	5.3
SE	1.0	.7	2.1		.3							4.1	7.0
SSE	.4	2.7	3.1	1.8	.8							8.4	9.6
S	7.9	2.6	2.5									8.3	4.9
SSW	1.2	1.4	1.0	.5								4.2	5.9
SW	2.5	1.2	.3									3.9	3.6
WSW	1.0	.9	.7	.1								2.3	5.0
W	1.6	3.4	2.0	1.2	.4							9.4	7.1
WNW	.7	2.0	1.4	.7								5.6	6.3
NW	1.4	1.0	.7	.4	.1							3.7	5.7
NNW	.8	1.7	1.2	1.6								5.2	7.7
VARBL													
CALM												10.3	
	27.7	29.9	23.5	8.0	1.6							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 762

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: MACALL AFB FL STATION NAME: MACALL AFB FL YEARS: 77-81 FEEL MONTH: 1-12-2300  
CLASS: ALL WEATHER HOURS (L.S.T.):  
CONDITION:

SPEED KNTS DIR	1-3	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	4.1	4.7	2.2	.1							13.4	7.1
NNE	1.2	1.7	1.3	.1								4.3	5.5
NE	.8	1.6	.7	.1								3.1	5.2
ENE	.5	2.1	1.2	.4								4.2	6.2
E	.7	1.4	1.3	.4								4.2	6.1
ESE	.8	1.3	.3	.7								2.6	5.4
SE	1.0	1.0	1.2	.4								3.7	6.2
SSE	.7	1.0	1.3	1.3	.5	.1						5.5	9.9
S	1.6	2.6	1.4	.9	.1							7.2	6.3
SSW	1.4	1.3	1.3	.3								4.3	5.5
SW	1.2	.3	.4									1.3	4.5
WSW	.5	1.2	.5									2.2	5.3
W	.8	1.6	1.4	.4								4.2	5.3
WNW	1.2	1.4	.9	.5								3.9	6.3
NW	.3	1.2	.5	.8								3.3	6.0
NNW	.7	1.2	2.0	2.1	.1							6.1	8.9
VARBL													
CALM												26.1	
	16.8	25.1	20.5	17.5	.9	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 762

2

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

DATE: TYNDALL AFB FL YEARS: 77-81 MONTH: FEB  
 STATION: TYNDALL AFB FL STATION NAME: TYNDALL AFB FL CLASS: ALL WEATHER MONTH: ALL  
 CLASS: ALL HOURS (L & N): ALL  
 CONDITION: \_\_\_\_\_

SPEED KNOTS D-R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	3.2	4.6	2.2	.7							15.9	7.2
NNE	1.4	2.2	2.3	.3	.7							6.3	6.2
NE	1.7	2.1	1.8	.2								5.2	5.9
ENE	1.7	2.1	1.7	.2								5.0	5.9
E	.1	2.7	1.5	.4								4.1	6.7
ESE	.8	1.1	.7	.3	.7							2.9	5.9
SE	.5	.6	1.7	.5	.2	.7						2.9	8.5
SSE	.4	1.2	2.2	2.4	.5	.7						6.7	10.2
S	1.2	2.7	3.7	.9	.1	.7						7.3	7.1
SSW	.9	1.7	1.1	.3	.7							3.9	5.9
SW	1.1	1.5	.9	.7								3.5	5.2
WSW	.5	1.5	1.8	.2	.7							4.2	6.5
W	.7	2.5	3.0	1.5	.3	.7						4.2	8.2
WNW	.5	1.1	1.1	.7	.1	.7						3.5	7.6
NW	.8	.7	1.7	.8	.2							3.3	7.6
NNW	.5	1.2	1.9	1.7	.1							5.2	8.7
VARBL													
CALM												14.4	
	14.5	27.5	29.4	12.6	1.4	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 6096

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 73-81 STATION NAME ALL WEATHER CLASS ALL WEATHER MONTH 000-0000 HOURS (L.S.T.)

SPEED KNOTS D.I.R.	1-3	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	4.7	3.8	1.1	.1							10.3	6.4
NNE	1.1	1.7	1.2									3.0	5.1
NE	.5	.5	.8									1.8	5.0
ENE	.4	1.3	.9	.1								2.1	5.7
E	0.3	3.2	2.4	.4								6.3	5.5
ESE	.5	1.6	1.4	.4								3.4	5.7
SE	.6	2.7	1.6	.6	.5	.1						5.5	6.2
SSE	.6	1.7	3.9	1.3	.2							7.8	6.4
S	.7	2.1	3.4	.8								7.4	7.5
SSW	1.1	1.7	.5	.1								3.3	4.9
SW	.5	.5	.6	.1								1.4	5.8
WSW	.2	.2	.5	.5								1.2	7.2
W	1.0	.7	1.6	1.3								4.5	6.7
WNW	.5	1.2	.5	.6		.1						2.9	7.3
NW	.5	.8	.5	.6	.1							2.5	7.5
NNW	.4	.2	1.4	.7	.2							3.6	8.8
VARBL													
CALM												24.5	
	10.7	25.1	5.3	2.4	1.2	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 837

U.S. AIR FORCE  
 METEOROLOGICAL CLIMATOLOGY BRANCH  
 AFM 7-75.1  
 METEOROLOGICAL SERVICE/MAC

**SURFACE WINDS**

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

STATION: TYNCALL AFB FL STATION NAME: 73-81 YEARS: MAC  
 CLASS: ALL WEATHER HOURS (L & T): 0700-2500  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	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	3.8	4.3	1.3								11.4	6.9
NNE	1.1	2.3	1.8	.4								5.5	5.8
NE	.7	1.8	1.6	.1								4.2	5.9
ENE	1.7	2.3	2.3									5.9	5.7
E	2.6	4.3	2.0	.7								9.7	5.4
ESE	1.7	2.2	1.3	.7	.1							6.3	5.1
SE	1.7	1.6	1.3	.7		.4						4.9	8.1
SSE	.6	1.4	2.7	1.2	.5							6.5	8.7
S	.8	2.4	2.2	.7								5.7	7.5
SSW	.6	.8	1.3	.5								3.2	6.8
SW	.1	.1	.4		.7							1.7	5.4
WSW	.4	1.3	.6									1.9	5.3
W	.4	1.3	1.3	.6								3.7	7.2
WNW	.1	1.2	1.3	.5	.1							3.1	8.2
NW	.1	.1	.6	.4	.2							1.4	10.7
NNW	.8	1.2	1.3	.7	.1							3.9	7.7
VARBL												21.7	
CALM													
	13.5	28.4	26.3	8.5	1.1	.4						122.3	5.3

TOTAL NUMBER OF OBSERVATIONS 637

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 7000 MYNDALL AFB FL STATION NAME 73-81 YEARS  
 CLASS ALL WEATHER NORTH 1430-0000 HOURS U.S.T.  
 CONDITION

SPEED KNTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	3.7	7.1	2.4	.1							1.3	7.8
NNE	.4	7.3	2.3	.7								7.0	6.5
NE	1.4	2.3	2.5	.6								6.7	6.2
ENE	2.2	2.2	2.3	.4								7.3	5.9
E	3.2	5.2	7.7	.8	.4							17.4	5.2
ESE	.4	7.4	1.4	.6								4.3	6.1
SE	.4	1.4	2.2	.7	.1							6.5	7.6
SSE	.4	1.8	2.7	2.2	.2							7.5	9.2
S	.4	1.2	1.7	.5	.1							4.1	7.2
SSW	.1	.7	1.1	.5								2.3	7.8
SW	.5	.7	.5	.2								2.0	6.8
WSW	.4	.7	.8	.2								2.2	7.2
W	.4	.5	1.3	.4	.1							2.7	7.6
WNW	.4	.2	1.1	.2	.1							1.9	6.5
NW	.3	1.2	1.6	.4	.2							3.2	6.3
NNW	.2	.1	1.2	.8	.2	.2						3.3	1.4
VARBL													
CALM												12.1	
	12.7	3.5	28.7	13.3	1.6	.2						170.3	6.3
TOTAL NUMBER OF OBSERVATIONS												877	







2

ALBUQUERQUE BRANCH  
 STATION SPAIN

# SURFACE WINDS

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

STATION SPAIN STATION NAME SPAIN YEARS 73-81 MONTH ALL  
 CLASS ALL WEATHER HOUR ALL  
 CONDITION

SPEED KNT DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.7	2.4	1.3	.2	.1						1.7	5.9
NNE	.0	.0	1.0									1.3	5.6
NE	.1	.0	.0	.4								1.5	7.1
ENE	.4	1.7	.4									2.5	8.1
E	.0	1.7	1.7									3.4	8.4
ESE	.1	.0	1.6	.6	.1							2.4	8.9
SE	.1	.0	1.6	2.4	1.0	.1						5.2	10.1
SSE	.0	1.4	6.7	3.7	3.0	.1						11.9	11.7
S	.7	4.4	3.7	2.2	.7							17.7	7.9
SSW	.0	7.7	4.1	.7								13.2	6.9
SW	.0	7.7	2.7	1.1								11.7	6.1
WSW	.0	3.0	7.0	1.0								11.0	7.7
W	.0	2.4	7.4	3.3	.4							14.9	6.7
WNW	.0	.0	.6	.6	.1							1.3	1.7
NW	.0	.1	.6	.6	.1							1.3	6.0
NNW	.0	.0	1.6	.6	.1							2.4	10.1
VARB												1.1	
CALM												1.1	
	1.6	26.2	43.0	21.0	2.9	.4						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 177

FEDERAL METEOROLOGICAL BUREAU  
 WASHINGTON, D. C. 20541  
 METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION: 77-51 T. SMALL AFB, FL STATION NAME: 77-51 YEARS: 1900-1900  
 CLASS: ALL WEATHER MONTH: MONTH: HOURS PER DAY: HOURS PER DAY:  
 CONDITION: CONDITION:

DIRECTION	1-3	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	2.7	2.3	.7	.1							7.2	6.7
NNE		.8	.6	.1								7.1	5.8
NE		.6	.7	.1								1.7	4.5
ENE		1.3										1.4	4.1
E	2.7	1.3	1.3	.4	.3							4.9	3.1
ESE	1.6	2.6	1.7	.6								6.5	5.7
SE	1.2	2.2	2.6	1.2	.4							7.5	7.0
SSE		.7	4.3	2.9								13.6	3.0
S	2.6	7.1	2.5	.8	.1							17.7	5.0
SSW		2.8	1.1	.7								1.7	5.1
SW	.1	1.5	1.2	.7								3.5	5.3
WSW		2.4	.7	.8								4.7	6.3
W	1.4	7.3	2.3	1.3								8.4	5.5
WNW		2.5	.7	.6								4.5	5.4
NW		1.4	.4	.4								4.1	4.4
NNW		.9	1.3	.5								5.1	4.3
VARBL													
CALM												11.2	
TOTAL	23.2	33.0	23.7	11.1	.8							173.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1730 E 37

CLASSIFICATION: FROM 1000 FT. TO 100 FT. (SEE INSTRUCTIONS) (THIS FORM IS OBSOLETE)

2

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL BRANCH  
 WASHINGTON, D. C.  
 WEATHER SERVICE/NAO

# SURFACE WINDS

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

STATION: TRIDALL AFB FL STATION NAME: TRIDALL AFB FL YEAR: 77-81 TELETYPE: \_\_\_\_\_  
 CLASS: ALL WEATHER MONTH: \_\_\_\_\_  
 DATE: 1100-1200 HOUR: \_\_\_\_\_  
 CONDITION: \_\_\_\_\_

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.4	7.7	2.2	.6								10.7	4.0
NNE	.6	.8	1.1	.1								1.4	6.7
NE	1.7	1.1	.4									2.7	4.8
ENE	.2	1.2	.9									2.6	5.1
E	1.2	2.3	1.7	.1								4.5	5.4
ESE	1.6	2.2	1.6	.4	.4							5.9	5.4
SE	1.4	2.2	2.7	.6								1.1	6.5
SSE	.7	2.2	4.5	2.7								1.2	5.2
S	.7	2.4	3.2	.6								7.9	6.7
SSW	.7	1.2	.8	.1								2.2	5.3
SW	.8	1.2	.5	.4	.1							2.4	7.1
WSW	.3	1.1	1.1	.2	.1							3.3	6.2
W	1.7	1.4	.9	1.3								4.9	6.0
WNW	1.1	.7	.4	.5								2.6	5.6
NW	1.4	1.3	.9	.6								4.2	6.3
NNW	.6	.5	1.7	1.0								3.0	5.4
VARBL													
CALM												23.2	
	17.5	24.2	23.4	9.4	.6							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 677

1  
2

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

73-81  
 STATION: TYNDALE AFB FL STATION NAME: 73-81 YEARS: 73-81  
 CLASS: ALL WEATHER  
 CONDITION: ALL

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	3.0	1.3	.1	.0						4.3	7.3
NNF	.7	1.7	1.6	.3	.0							4.2	6.7
NE	.7	1.1	1.2	.2								3.2	6.0
ENE	1.0	1.6	1.3	.1								4.0	6.6
E	1.0	3.7	2.6	.4	.1							7.7	8.1
ESE	1.0	2.7	1.4	.6	.1							5.2	6.7
SE	.7	1.3	1.8	1.6	.4	.1						5.9	8.3
SSE	.6	2.0	4.0	4.2	.6	.1						11.3	10.1
S	1.0	2.7	4.3	1.5	.1							9.6	7.7
SSW	.7	2.1	1.7	.4								4.3	6.5
SW	.6	1.3	1.3	.2	.0							1.4	6.7
WSW	.5	1.6	1.6	.4	.0							4.1	6.8
W	.7	1.1	2.7	1.9	.1							5.9	8.5
WNW	.4	.9	.7	.5	.0	.0						2.5	7.5
NW	.6	.7	.9	.5	.1							2.3	7.4
NNW	.3	.7	1.4	.8	.1	.0						3.4	8.9
VARBL													
CALM												10.2	
	17.5	26.3	31.6	14.9	1.7	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 5605

1  
2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

77-751 TAYDALL AFB FL 77-81 APR 1967-0200  
STATION STATION NAME YEARS MONTH HOURS  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	4.7	2.8	.4	.1							1.5	5.3
NNE	.1	1.5	.4									2.5	4.4
NE	1.2	1.6	.2	.1								3.2	4.4
ENE	1.7	1.9	.5									4.1	4.1
E	5.0	4.6	2.5	.2								11.2	4.9
ESE	1.2	1.7	1.1	.1								3.5	5.1
SE	.4	.5	.4	.5								1.9	6.3
SSE	.2	1.1	2.3	1.9								5.6	8.5
S	.3	2.7	2.5	1.0								6.7	7.7
SSW	.7	.4	1.1	.1								2.3	6.1
SW	.6	.2	.2	.1								1.1	4.9
WSW	.7	.7	1.4	.2								3.1	6.3
W	1.1	2.7	1.5									5.3	5.4
WNW	.9	1.7	.6	.1	.1							2.7	5.5
NW	1.6	.0	.5	.2								3.2	4.5
NNW	1.0	1.0	1.7	.5	.1							4.3	6.5
VARBL													
CALM												73.9	
	17.6	25.8	19.8	5.6	.4							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 817

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 24 757    STATION NAME: TYNDALL AFB FL    YEARS: 73-81    MONTH: APR  
 CLASS: ALL WEATHER    HOURS (LST): 1300-0500  
 CONDITION:

SPEED KNOTS Dir	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	5.3	3.1	.2								11.4	5.3
NNE	1.9	3.5	1.5									6.9	4.9
NE	1.7	1.7	.4									3.8	4.0
ENE	1.4	1.5	.5									3.3	4.2
E	3.3	6.4	1.4	.4								13.5	4.3
ESE	1.1	2.1	1.1	.6								4.9	6.2
SE	.6	.5	1.2	1.0								3.3	8.2
SSE	.6	1.5	2.1	1.0								5.2	7.9
S	.4	1.9	2.1	.6								4.9	7.2
SSW	.5	1.2	.4	.2								2.1	5.3
SW	.4	.5	.2									1.1	5.2
WSW	.2	.4	.2	.5								1.9	7.7
W	1.4	1.2	1.1	.5								4.0	5.8
WNW	1.4	1.2	.7	.1	.1							3.3	5.4
NW	1.1	.2	.7	.6								3.2	6.3
NNW	.7	.9	.7	.9								3.2	7.5
VARIABLE													
CALM												24.0	
	21.4	29.9	19.1	5.7	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 810

2

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: TYNALL AFB FL STATION NAME: TYNALL AFB FL YEARS: 77-81 APP: APC  
 CLASS: ALL WEATHER HOURS: 0000-2300  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	2.5	3.6	.5								8.9	6.0
NNE	2.6	3.8	2.7	.5								7.6	5.8
NE	1.4	3.0	3.2									7.5	6.0
ENE	2.7	2.3	1.6	.1								6.8	4.3
E	3.3	6.7	3.5									17.7	5.1
ESE	1.4	1.0	2.3	.6								6.2	5.4
SE	.4	1.2	2.2	3.0								6.8	9.2
SSE	.4	1.4	2.5	2.6	.2							7.2	9.4
S	.2	1.4	1.7	1.0								4.9	7.3
SSW	.2	.4	.5									1.1	5.9
SW	.4	.7		.2								1.4	5.8
WSW	.1	.1	.7	.2								1.2	5.2
W	.5	.6	1.0	.9	.1							3.2	8.1
WNW	.4	.2	.6	.6								1.9	7.8
NW	1.2	1.2	2.5	.6								5.1	7.0
NNW	.0	1.2	1.1	1.0								4.2	7.0
VARBL												10.4	
CALM													
	18.9	28.6	29.9	11.9	.4							170.2	5.9

TOTAL NUMBER OF OBSERVATIONS: 610



1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 70075 STATION NAME TYNDALL AFB FL YEARS 73-81 MONTH APR  
 CLASS ALL WEATHER HOURS (L & T) 1900-1100  
 CONDITION \_\_\_\_\_

SPEED (KTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.3	2.5	.6								7.2	6.5
NNE	1.1	2.0	3.0	.7								6.9	6.9
NE	.5	2.3	1.5									4.4	5.8
ENE	1.4	7.7	1.5	.4								6.5	6.2
E	1.4	2.7	2.8	.2								7.2	5.4
ESE	.6	1.1	1.1	1.5								4.3	5.3
SE	.5	.2	2.0	3.1	.7							6.3	12.4
SSE	.1	.7	4.1	7.8	.4							13.1	11.7
S	1.1	3.3	5.6	7.3	.1							13.5	8.4
SSW	.6	1.7	2.6	.5		.1						3.6	7.5
SW	.1	2.2	1.5	.1								4.0	6.3
WSW	.6	2.3	1.6	.2								4.3	6.2
W	.4	1.4	3.0	1.2	.1							6.1	3.6
WNW	.5	.1	.6	.6	.1							2.0	8.9
NW	.4	1.1	.5	.5								2.3	7.1
NNW	1.0	1.0	2.1	.6								4.7	7.1
VARBL													
CALM												1.5	
	11.4	23.3	35.8	21.5	1.5	.1						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 810

2

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 14775 TINDALL AFB FL STATION NAME 73-81 YEARS MONTH 1000-1400  
 CLASS ALL WEATHER HOURS (L & Y)  
 CONDITION

SPEED KNTS DIR	1-3	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	1.4	.9								3.8	7.4
NNE	.2	1.7	.5	.4								7.8	6.7
NE	.4	1.0	.9	.1								2.3	6.6
ENE	.2	1.0	.4	.2								1.9	6.1
E	.7	1.1	.9	.6								7.3	6.4
ESE	.1	.4	.9	.6								2.7	5.8
SE	.1		.6	2.2	.9	.1						3.8	14.7
SSE	.1	.1	2.3	7.9	.4							11.9	12.7
S	.1	3.3	6.9	3.5								18.9	12.1
SSW		2.5	4.8	1.4		.1						9.1	6.7
SW	.1	2.4	6.8	1.5	.1							11.1	8.3
WSW		3.5	8.4	1.4								13.2	7.9
W	.2	.2	4.2	4.4	.1							9.9	12.2
WNW	.1	.2	.7	.2	.1							1.5	9.1
NW	.4	.4	1.7	.9								2.6	8.3
NNW	.2	.5	1.4	.4								2.5	7.8
VARBL													
CALM												.5	
	4.3	19.9	41.9	31.6	1.6	.2						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 810

2

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1975 TINDALL AFB FL 77-81 1500-1700  
 STATION STATION NAME YEARS MONTH HOURS (LST)  
 ALL WEATHER CLASS  
 CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.9	1.2	.5								3.2	7.7
NNE	.1	1.0	.4	.2								1.7	5.9
NE	.2	.5	.5	.4								1.6	7.5
ENE	.4	.6	.4									1.4	5.6
E	.1	.5	.4	.1								1.5	6.3
ESE	.7	.5	1.5	.6								2.5	9.3
SE	.1	.2	.6	2.6	.1							3.7	12.1
SSE	.2	.7	5.2	5.4	.1							11.7	18.6
S	.4	4.0	11.0	3.7	.4	.1						19.5	9.7
SSW	.6	3.6	5.4	.5								10.1	7.1
SW	.7	3.7	4.3	.5								7.9	7.4
WSW		3.3	6.9	1.6								11.9	6.2
W	.4	3.1	10.0	3.7	.1							17.3	8.9
WNW	.1		1.1	.4								1.6	9.3
NW	.1	.2	.2	.5								1.1	6.7
NNW	.4	.4	1.1	.4								2.2	7.4
VARBL													
CALM												1.1	
	4.1	22.9	53.2	21.1	.7	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 617

1  
2

FEDERAL CLIMATOLOGY BRANCH  
 WPCATAC  
 METEOROLOGICAL SERVICE/MAC

### SURFACE WINDS

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

STATION: NYC ALL REF FL STATION NUMBER: 77-91 YEARS: 1900-1920  
 ALL WEATHER CLASS: CLAS MONTH: APR  
 HOURS: 1200-2300  
 CONDITION: CLAS

SPEED KNOTS OR	3	4	6	7	10	11	16	17	21	22	27	28	33	34	40	41	47	48	55	≥ 56	%	MEAN WIND SPEED		
N	1.4	2.7	1.5		.4				.1													1.3	5.3	
NNE		.7	.1																				1.4	4.8
NE		1.1	.5																				1.6	5.1
NENE		1.1	.2																				1.5	4.8
E		1.2	.5		.1																		1.2	5.3
ESE	2.7	2.1	.5		.2																		2.5	4.8
SE	2.2	2.7	3.1		1.4																		2.6	6.6
SSE	1.7	1.7	4.7		1.6																		1.7	7.7
S	7.2	5.7	3.7		.6																		1.2	5.5
SSW	7.2	2.1	1.4		.1																		1.4	4.7
SW	7.2	2.1	.5		.1																		1.4	4.7
WSW	1.7	2.7	2.3		.5																		2.7	1.4
W	2.2	4.7	4.7		1.7																		1.1	5.1
WNW	1.1	2.7	1.1																				4.7	5.3
NW	1.1	2.1	.7		.1																		4.1	5.1
NNW	1.2	1.7	1.7		.1																		1.3	5.1
VARBL																							1.7	
CALM																							1.7	
#	24.1	34.7	24.9		6.3				.1														102.2	4.1

TOTAL NUMBER OF OBSERVATIONS

112

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

**SURFACE WINDS**

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

74 71 STATION TYNDALE AFB FL STATION NAME 73-81 YEARS 800 MONTH APR 01 00-2300 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDITION

WIND D.I.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	4.1	1.9	.5								4.1	5.5
NNE	.2	1.3	.1									2.2	3.6
NE	.2	.3	.4									2.1	4.4
ENE	.2	.4	.7	.9								3.3	6.0
E	.2	1.1	.4									4.3	7.8
ESE	.2	1.2	.5									3.5	4.4
SE	1.5	.2	1.5	.5								5.5	6.4
SSE	.2	1.1	3.7	2.2								7.7	9.2
S	.2	3.5	1.7	1.0	.2							7.7	7.7
SSW	.2	.5	.6									2.3	4.2
SW	1.1	.7	.7	.1								2.1	4.6
WSW	1.2	2.3	.7									4.5	4.5
W	.3	3.2	3.2	.2								9.9	7.5
WNW	.2	1.1	.6									3.5	4.7
NW	1.1	.6	.7	.6								3.5	5.8
NNW	.2	.4	1.6	.9	.1							4.7	7.2
VARBL												70.0	
CALM												70.0	
	24.4	24.1	19.1	6.0	.4							125.2	4.1
TOTAL NUMBER OF OBSERVATIONS													312

2

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 WAFB TAC  
 AIR WEATHER SERVICE ZMAC

**SURFACE WINDS**

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

STATION: WAFB TAC      STATION NUMBER: 77-91      YEARS: ALL WEATHER      MONTH: ALL      HOURS: ALL

SPEED (KNOTS)	1-3	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	2.0	.5	.1							7.4	5.9
NNE	1.0	1.0	1.1	.2								4.2	5.5
NE	.5	1.0	.9	.1								3.3	5.3
ENE	.5	1.6	.7	.1								2.5	5.1
E	.5	2.9	1.5	.2								7.0	5.8
ESE	.5	1.2	1.1	.5								2.4	5.4
SE	.5	1.7	1.3	1.0	.2							4.5	5.4
SSE	.5	1.7	3.4	2.8	.1	.1						10.1	5.7
S	1.0	3.1	4.4	2.5	.1	.1	.1					11.1	5.1
SSW	.5	1.0	2.1	.4		.1						4.9	5.7
SW	.5	1.0	1.0	.4	.1							4.3	5.7
WSW	.5	1.0	2.9	.6								8.7	7.1
W	1.2	2.1	3.7	1.5	.1							8.7	7.6
WNW	.5	.5	.9	.7	.1							2.2	6.4
NW	.5	.5	.9	.5								7.1	6.3
NNW	.5	.5	1.3	.6								3.6	6.0
VARBL												13.4	
CALM													
#	17.7	26.6	29.9	17.8	.5	.1						172.2	6.1

TOTAL NUMBER OF OBSERVATIONS: 642

FORM 1241-104 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAF/TAC 64 64

2

U.S. AIR FORCE METEOROLOGICAL BRANCH  
 WASHINGTON, D.C.  
 METEOROLOGICAL SERVICE AMMO

# SURFACE WINDS

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

STATION NAME: MCALL AIR FL STATION NUMBER: 77-81 YEARS: 1950-1951 MONTH: ALL WEATHER  
 CLASS: ALL WEATHER HOURS PER DAY: 24  
 LOCATION: MCALL AIR FL

DIR.	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	Σ	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.3	26.7	17.6	2.6							108.2	3.2

TOTAL NUMBER OF OBSERVATIONS: 1082



DATA FROM METEOROLOGICAL SERVICE AMMO

AL LIMITED, BRANCH  
 1000  
 1000

# SURFACE WINDS

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

STATION: TYNDALE AIR FL T-1001  
 STATION NAME: TYNDALE AIR FL T-1001  
 CLASS: ALL WEATHER  
 MONTH: MAY  
 YEAR: 1951

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	1.4	1.0	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	1.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	1.5	0.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	1.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	1.0	1.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	1.0	2.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	1.1	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.0	20.7	13.9	2.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0

TOTAL NUMBER OF OBSERVATIONS: 177

UNOFFICIAL PRELIMINARY REPORTS OF THIS FORM ARE NOT TO BE USED FOR OFFICIAL PURPOSES.



UNITED STATES AIR FORCE  
 METEOROLOGICAL SERVICE ZMET

# SURFACE WINDS

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

STATION: 7701 RANDALL AFB FL STATION NAME: 7701 YEAR: 1953  
 MONTH: MAY  
 CLASS: ALL WEATHER PERIOD: 1600-2000  
 HOURS PER DAY: 4  
 CONDITION: \_\_\_\_\_

SPEED KTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	55	≥56	%	MEAN WIND SPEED
N	.2	2.7	1.8	.1								1.7	2.1
NNE		2.3	1.9	.3								1.7	4.9
NE	.3	2.1	1.9	.4								1.2	5.3
ENE		1.7	2.7	.2								1.7	4.5
E		2.7	2.7	.5								15.4	4.7
ESE	.1	1.9	1.9	.2								4.7	6.0
SE		1.7	1.1	.6								2.9	7.0
SSE	.2	1.1	1.6	1.3								1.5	4.7
S	.7	1.8	2.4	.7								1.4	7.7
SSW	.2	1.8	.7	.7								1.1	5.8
SW	.2	2.7	.7	.1								1.3	5.4
WSW	.2	1.7	1.1									1.2	5.4
W	.7	1.7	1.4	.2								1.1	5.9
WNW	.2	1.7	.7	.4								2.4	7.1
NW	.2	1.1	.4									1.3	4.3
NNW	.7	1.2	.4	.1								1.1	4.4
VARBL													
CALM												14.5	
IF	23.9	17.3	22.6	5.9								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 677

1  
2

FEDERAL METEOROLOGICAL SERVICE  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TYNDALL AFB FL STATION NAME: 73-81 YEARS: 1970-1971  
 CLASS: ALL WEATHER MONTH: MAY  
 CONDITION: 1970-1971

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	1.0	.1								3.3	5.7
NNE	1.6	2.3	1.3	.2								4.4	5.7
NE	.6	1.0	1.6	.2								4.5	5.9
ENE	1.1	1.7	1.2	.2								4.2	5.8
E	1.0	2.0	2.0	.5								4.2	5.9
ESE	1.4	1.3	.8	.1								3.7	5.1
SE	.1	.5	2.0	.8	.1							3.3	5.7
SSE	.1	2.4	3.4	3.7	.1							8.3	9.8
S	1.7	3.6	6.0	2.0								15.3	7.7
SSW	1.7	4.5	2.9	.5								9.4	6.0
SW	.7	3.5	1.9	.2								6.6	5.0
V-SW	.7	4.4	2.7	.2								6.1	5.3
W	.4	2.7	5.5	.8								9.4	7.7
WNW	.5	.1	.7									1.3	5.5
NW	.3	.7	.2	.2								1.9	5.5
NNW	.1	1.2	1.1	.2								3.6	6.1
VARBL													
CALM												2.6	
	14.8	35.7	36.4	12.3	.1							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 677

1  
2

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TYNDALL AFB FL STATION NAME: 73-61 YEARS: MAY MONTH: 1900-1900 HOURS (L & T): ALL WEATHER CLASS: CONDITION:

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.7	.7	.2								3.7	5.3
NNE	.4	1.7	.7	.6								3.6	7.1
NE		.2	.7	.1								1.4	6.3
ENE	.4	.4	.6									1.3	5.7
E	.7	.7	1.6	.1								2.2	6.7
ESE	.1	.7	.2	.2	.1							1.3	9.9
SE	.4	.1	.7	.7								1.9	9.7
SSE		1.7	2.3	2.9	.1							5.6	10.5
S	.4	2.6	9.7	5.7	.4							13.8	9.5
SSW	.7	7.9	7.8	1.1	.1							13.4	7.5
SW	.7	4.4	8.5	.6								14.2	7.2
WSW	.1	4.7	12.7	1.9								16.4	8.2
W		1.6	6.6	1.6								9.7	8.7
WNW	.4	.1	.1	.2								.3	7.7
NW			.5	.4								1.2	10.2
NNW	.7	.3	.5	.2								1.2	7.3
VARBL													
CALM												.7	
	4.4	23.4	54.1	14.6	.7							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 677



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1977 STATION TYNDALE AFB FL STATION NAME 73-81 YEARS MAY MONTH  
ALL WEATHER CLASS 1500-1700 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.2	1.4	.1								3.2	6.3
NNE		1.6	.7									2.3	6.3
NE	.4	.4	.4	.1								1.2	6.0
ENE			.6									.6	5.7
E	.4		.8	.2								1.4	6.5
ESE	.4	.5	.5	.6								2.3	7.7
SE	.1	.5	.4	.5	.1							1.7	8.4
SSE	.2	1.4	2.3	2.9	.1							6.9	9.5
S	.4	5.2	10.8	2.6	.2							19.8	8.3
SSW	1.4	4.3	6.3	.5	.1							13.1	6.7
SW	.7	5.7	4.2	.4								11.2	6.6
WSW	.5	6.1	11.6	1.9								20.1	7.7
W	.4	3.9	6.3	1.3								11.8	8.0
WNW		.7	.2	.7								1.2	10.3
NW	.2	.4		.1								.7	5.7
NNW	.7	.5	.4	.5								1.6	8.3
VARBL													
CALM												.8	
	5.7	33.6	46.8	12.4	.6							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 637

1  
2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
METEOROLOGICAL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 14751 RYSCALL AFB FL STATION NAME: RYSCALL AFB FL YEARS: 73-81 MONTH: MAY  
 CLASS: ALL WEATHER PERIOD: 1973-1981  
 CONDITION: \_\_\_\_\_

SPEED KNTS/DIR	1-3	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	1.6	.8									3.6	4.6
NNE	.6	.7	.5									1.8	4.6
NE	.4	.3	.6	.1								1.7	5.3
ENE	.4	.2	.2									.6	7.4
E	.1	1.1	.2	.1								2.5	4.7
ESE	1.1	1.7	.1									2.9	4.3
SE	1.7	2.5	.5	.2								4.9	4.7
SSE	3.4	3.1	1.9	.7								8.1	5.5
S	7.1	6.5	2.6	1.2								17.4	5.7
SSW	2.7	3.6	1.2	.1								7.6	4.5
SW	1.2	3.4	1.3	.4								3.7	4.6
WSW	2.3	6.2	2.6	.6								11.3	5.4
W	2.7	6.4	3.3	.5								12.3	5.5
WNW	1.1	1.6	1.2	.2								3.3	5.4
NW	.1	.5	.1	.4								1.2	6.7
NNW	.7	.3	.2	.2								2.3	5.4
VARBL													
CALM												12.3	
	27.3	43.5	17.1	4.8								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 837

2

FEDERAL CLIMATOLOGY BRANCH  
 AFMTC  
 AIR WEATHER SERVICE / MAC

**SURFACE WINDS**

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

STATION: 4750 TYNDALL AFB FL STATION NAME: 73-81 YEARS: MAY  
 CLASS: ALL WEATHER MONTH: 1980-2000  
 CONDITION: \_\_\_\_\_

SPEED (KNTS): DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	.5									3.9	4.7
NNE	1.1	.8	.5									2.4	4.1
NE	1.7	1.1	.1									2.5	3.3
ENE	1.4	1.7	.4									2.5	3.7
E	1.7	2.4	.4	.2								4.7	4.4
ESE	2.3	1.4	.5									4.2	7.0
SE	1.7	1.4	.7	.1								3.9	4.5
SSE	1.1	1.6	1.6	.2								4.4	6.1
S	2.7	2.9	1.3	1.2								7.4	6.7
SSW	1.6	1.4	1.4	.2								4.7	5.2
SW	1.2	2.7	1.1	.1								4.4	5.2
WSW	2.3	1.7	1.6	.1								5.9	4.9
W	4.1	4.5	1.9	.5								11.0	4.0
WNW	1.4	.8	.1									2.4	3.5
NW	1.7	.2	.7									2.5	4.5
NNW	.6	.7	.5									1.3	4.8
VARBL													
CALM												31.0	
	25.7	26.4	13.2	2.8								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 636

1  
2

FEDERAL METEOROLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION TYNDALE AFB FL YEARS 77-81 MONTH MAY  
 STATION NAME TYNDALE AFB FL CLASS ALL WEATHER HOURS 11 5 T  
 CONDITION

SPEED KNTS: DIR	1-3	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	2.1	1.2	.1								4.7	5.2
NNE	1.1	1.5	1.0	.1								3.7	5.3
NE	1.7	1.2	.8	.1								3.0	5.7
ENE	1.6	1.4	.7	.1								3.5	4.5
E	2.4	2.5	1.3	.2								6.3	4.8
ESE	.9	1.1	.7	.2	.7							3.1	5.6
SE	.5	1.7	.7	.4	.7							2.3	6.7
SSE	.5	1.5	1.9	1.6	.7							5.7	8.3
S	1.6	3.5	4.9	1.8	.1							11.7	7.6
SSW	1.3	2.9	2.9	.5	.7							7.5	6.7
SW	1.1	3.1	2.4	.3								6.9	6.1
WSW	1.1	3.4	4.3	.6								7.5	6.7
W	1.4	3.3	3.3	.7	.7							5.7	6.5
WNW	.5	.8	.5	.2								2.1	5.5
NW	.2	.5	.4	.1								1.9	5.7
NNW	.7	.7	.5	.2								2.2	5.4
VARBL													
CALM												16.6	
	15.7	37.7	27.2	7.3	.2							125.0	5.2

TOTAL NUMBER OF OBSERVATIONS 6695

2

FEDERAL BUREAU OF METEOROLOGY  
 AFSTAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 175 TYNDALL AFB FL STATION NAME: 77-81 YEARS: JUN MONTH: 007-1200 HOURS (LST):  
 CLASS: ALL WEATHER  
 CONDITION:

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.5	1.5									4.7	4.6
NNE	0.0	1.4	.4									3.7	3.5
NE	0.0	1.0	.6									2.7	2.7
NNE	1.1	1.4	1.7	.2								3.7	3.3
E	0.0	3.1	2.6									7.7	5.7
ESE	1.1	.5	.1									1.7	3.2
SE	1.1	.2										1.4	2.4
SSE	.4	.2	.2	.1								1.0	3.0
S	1.2	1.7	1.0	.1								4.1	4.2
SSW	.4	2.7	.6									3.0	3.7
SW	1.4	3.1	1.1									5.6	4.8
WSW	2.2	4.3	2.7	.1								6.6	4.3
W	1.6	4.7	.2									6.3	3.9
WNW	1.1	.5										1.6	2.3
NW	1.2	.7										2.0	3.3
NNW	1.1	.6										1.7	3.7
VARBL													
CALM												77.8	
	23.1	26.2	11.6	.6								100.2	2.8

TOTAL NUMBER OF OBSERVATIONS 812



2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
METEOROLOGICAL SERVICE/MAC

**SURFACE WINDS**

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

STATION NO. 42751 STATION NAME TYNDALL AFB FL YEARS 77-81 MONTH JUN  
 CLASS ALL WEATHER HOURS IN DAY 230-2500  
 CONDITION \_\_\_\_\_

SPEED KNTS DIR	1-3	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	1.0	1.4									5.7	4.7
NNE	2.6	1.4	.7									4.7	3.7
NE	2.3	1.5	1.1									5.3	4.2
ENE	4.3	3.2	1.1	.2								5.5	3.5
E	2.2	4.2	1.4	.1								3.4	4.4
ESE	.5	.5		.1								1.1	4.2
SE	.6	.1										.7	2.2
SSE	.5	.5	.1	.1								1.2	4.2
S	1.2	1.4	.7									3.1	4.0
SSW	.9	1.2	1.1									3.2	5.1
SW	1.1	1.6	.4									3.1	4.3
WSW	2.3	3.2	1.2	.1								6.7	4.7
W	3.1	5.2	.7									7.8	4.1
WNW	1.2	.5	.1	.1								2.1	3.6
NW	.2	.2										1.5	2.4
NNW	1.2	.4	.1									1.7	3.2
VARBL													
CALM												73.3	
	26.4	27.2	1.2	.9								10.0	2.2

TOTAL NUMBER OF OBSERVATIONS 617



2

FEDERAL BUREAU OF SURVEY  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

1787  
 STATION

MACALL AFB FL

STATION NAME

77-61

YEARS

JUL

MONTH

ALL WEATHER

CLASS

1400-2000  
 HOURS U.S.T.

CONDITION

SPEED KTS DIR	1-3	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	2.0	1.0									7.8	1.9
NNE	4.4	3.6	1.6	.2								7.0	4.4
NE	1.2	3.3	1.2	.4								7.0	3.1
ENE	2.8	4.9	1.9	.7								7.0	3.6
E	4.6	5.4	2.2	.5								11.7	4.9
ESE	1.8	2.0	.2									11.2	4.4
SE	.5	.7	.6									10.0	3.1
SSE		1.2	.0	.1								10.0	3.6
S	1.0	1.0	1.4	.2								10.1	3.6
SSW	.6	1.1	.5									10.2	4.0
SW	1.1	1.2	.1									10.3	4.0
WSW	1.4	3.2	1.1									10.3	4.1
W	1.7	4.9	1.6	.1								10.4	5.1
WNW	.7	1.6	.9									10.2	5.2
NW	1.4	.6	.4									10.3	5.0
NNW	1.1	.7	.6									10.3	4.8
VARBL													
CALM												17.8	
	20.9	33.9	16.7	2.3								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

31

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE  
 WASHINGTON, D. C.

# SURFACE WINDS

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

STATION 17 NAME IS WALL AFB FL YEARS 77-81 MONTH 01  
 CLASS ALL WEATHER HOURS PER DAY 24  
 CONDITION \_\_\_\_\_

SPEED KTS DIR	1-3	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	2.1	.5	.1								4.0	4.0
NNE	1.1	2.6	1.1	.1								3.9	4.0
NE	1.7	2.7	1.2	.4								4.0	4.0
ENE	1.5	2.4	2.3	.4								3.5	4.0
E	1.1	2.4	2.3	.6								3.3	4.0
ESE	1.1	1.4	.5									2.7	4.0
SE	1.1	1.4	.9									1.6	4.0
SSE	1.1	1.2	1.2	.6								4.0	7.0
S	1.4	3.0	4.7	.6								10.0	6.0
SSW	1.0	3.0	2.6	.1								7.2	6.0
SW	2.1	6.0	3.6	.1								11.9	5.0
WSW	2.3	4.7	3.7	.1								13.8	5.0
W	1.8	4.7	5.3	.1								11.1	5.0
WNW	1.4	2.7	.1									2.2	4.7
NW	1.2	.5	.1	.1								2.2	4.7
NNW	1.1	.2	.1									1.1	3.7
VARBL												4.0	
CALM												4.0	
	10.2	41.7	37.4	3.5								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 512

2

ALBANY METEOROLOGICAL STATION  
 1000-1400 HOURS  
 1950-1950

# SURFACE WINDS

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

STATION NAME: ALBANY STATION NO: 77-21 YEAR: 1950 MONTH: JUL  
 CLASS: ALL WEATHER HOURS: 1000-1400  
 CONDITION:

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.5	.2								.1	1.0
NNE	.2	.2	1.5	.2								.1	7.7
NE	.1	.2	.5									.1	6.4
ENE		.2	1.5		.1							.1	7.3
E	.4	1.2	.6	.6								.1	6.5
ESE		.2	.4	.1	.1							.1	7.6
SE		.2	.1	.1								.1	6.4
SSE		.2	.9	.2								.1	6.1
S	.4	2.1	5.4	2.3								10.7	6.6
SSW	.1	1.4	7.7	1.2								11.2	7.6
SW	.7	7.7	11.5	.7								11.2	7.1
WSW	.2	8.7	15.4	1.7								11.3	7.6
W	.2	2.5	7.4	.7								11.9	7.7
WNW	.4	.1	.7	.1								1.4	7.7
NW		.7	.1									.9	6.7
NNW	.1	.2	.5									1.2	6.6
VARBL													
CALM												.5	
	4.2	32.6	54.4	3.3	.2							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 310

1  
2

U.S. AIR FORCE METEOROLOGICAL BRANCH  
 WASHINGTON, D.C.  
 WEATHER SERVICE/AMC

# SURFACE WINDS

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

STATION: TUNICALLI AFB FL TELE: 73-81  
 STATION NAME: TUNICALLI AFB FL TELE: 73-81  
 CLASS: ALL WEATHER  
 MONTH: JUL  
 HOURS: 1700  
 CONDITION:

SPEED KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.7	1.1	.1								4.0	6.6
NNE	.0	.7	1.1	.2								2.0	7.4
NE	.0	.4	1.0	.1								1.5	6.7
ENE	.0	.0	.7	.1								1.0	5.1
E	.0	.0	.6	.1								1.2	5.5
ESE	.0	.0	.7	.1								1.0	5.1
SE	.0	.0	.4									.4	5.7
SSE	.0	.0	1.1	.4								1.0	7.1
S	.0	2.0	4.0	1.0								1.0	7.1
SSW	.0	2.0	3.3	.4								1.0	7.1
SW	.0	6.3	3.4	.5								1.4	6.0
WSW	1.0	1.0	1.3	1.2								4.3	7.1
W	.0	6.3	2.1	1.5								1.3	7.5
WNW	.0	.0	.5									1.0	6.7
NW	.0	.0	.5									.2	4.3
NNW	.0	.0	.4									.0	7.1
VARBL													
CALM												1.4	
	0.6	7.4	5.5	6.2								17.0	7.0

TOTAL NUMBER OF OBSERVATIONS 317

2

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL BRANCH  
 WEATHER SERVICE/MAO

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

SURFACE WINDS

STATION: T. IN FALL AFB FL STATION NAME: 77-61 TELETYPE: ALL WEATHER CLASS: CONDITION:

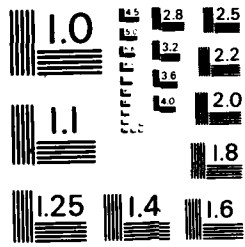
JUL 1954

SPEED KMPH DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.1	.6	.1									
NNE	.4	1.0	.5										
NE		.5	1.7	.1									
ENE			.6	.2									
E	.7	1.5	.2										
ESE													
SE	.1		.4										
SSE	1.1												
S	.2	.7	1.4										
SSW	.2	4.0	1.0										
SW	.7	5.0	1.2										
WSW	.7	7.7	2.5	.1									
W	.7	.1	3.0	.2									
WNW	1.4	1.0	.7										
NW	.7	.5											
NNW	.5		.1										
VARBL													
CALM													
	10.0	41.0	17.0	1.1	.1								

TOTAL NUMBER OF HOURS: 720

STATION: T. IN FALL AFB FL STATION NAME: 77-61 TELETYPE: ALL WEATHER CLASS: CONDITION:





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 963 - C



8  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 74775 TYNDALL AFB FL STATION NAME: 73-81 YEARS: JUN MONTH: 2100-2300 HOURS (LST)

CLASS: ALL WEATHER

CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.1	.2									3.3	4.3
NNE	.5	1.5										2.0	4.4
NE	.5	1.7	.6									2.1	5.2
ENE	.9	1.7	1.9									3.7	5.0
E	1.5	1.5	.4									3.3	4.3
ESE	1.1	.7	.2									2.1	3.8
SE	1.2	.4										1.6	2.3
SSE	.6	.7	.2									1.6	4.2
S	1.2	2.3	.6									4.2	4.3
SSW	2.6	3.3	.4									6.3	4.0
SW	.1	3.1	.6	.1								5.9	4.4
WSW	4.0	4.6	1.1									10.6	4.0
W	4.9	4.7	1.0	.1								10.7	3.9
WNW	1.2	1.2										2.5	3.1
NW	2.2	.6										2.8	2.6
NNW	1.4	.7	.1									2.2	2.9
VARBL													
CALM												34.9	
	27.9	29.5	7.4	.2								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 810

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 7-7757 STATION NAME TYNDALL AFB FL YEARS 73-81 MONTH JUN  
 ALL WEATHER CLASS \_\_\_\_\_  
 CONDITION \_\_\_\_\_  
 HOURS (LST) ALL

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.6	.9	.1								4.2	4.7
NNE	1.6	1.7	.9	.1								4.3	4.8
NE	1.0	1.5	1.0	.1								3.6	5.3
ENE	1.4	1.8	1.3	.2	.0							4.8	5.5
E	1.7	2.4	1.3	.2	.0							5.6	5.2
ESE	.6	.8	.3	.0	.0							1.8	4.8
SE	.6	.4	.3	.0								1.4	4.3
SSE	.4	.8	.7	.2								2.1	6.1
S	1.3	2.4	2.5	.6								6.7	6.4
SSW	1.2	3.7	2.6	.2								7.0	5.9
SW	1.6	4.4	3.4	.2								9.6	5.9
WSW	2.5	6.1	5.0	.4								14.0	5.9
W	2.7	5.2	3.7	.4								11.9	5.6
WNW	.8	.9	.4	.0								2.2	4.4
NW	1.2	.6	.1	.0								2.0	3.3
NNW	.8	.6	.2									1.6	3.9
VARBL													
CALM												17.4	
	21.1	34.1	24.5	2.9	.0							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 6480

8  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF: WEATHER SERVICE/MAC

**SURFACE WINDS**

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

747750      TYNDALL AFB FL      73-81      JUL

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0000-2200

CLASS      HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.6	.1	.1								3.1	3.3
NNE	.6	.7	.1	.1								1.6	4.2
NE	1.8	.6	.6									3.0	3.9
ENE	2.4	2.2	.1									4.7	3.4
E	2.2	3.7	1.1									6.2	4.5
ESE	1.6	.6	.1									2.3	2.9
SE	1.1	.5	.1									1.7	3.3
SSE	.8	.4	.4	.1								1.7	5.1
S	1.2	1.8	1.1	.4	.1							4.5	5.9
SSW	1.4	2.5	.6	.1								4.7	4.7
SW	1.3	2.5	1.7	.2								5.7	5.3
WSW	2.5	4.9	1.3	.1								8.8	4.8
W	2.9	7.7	2.4	.5								12.8	5.2
WNW	2.0	2.3	.5									4.8	4.0
NW	1.1	.4	.1									1.6	2.8
NNW	1.3	.1										1.4	2.0
VARBL													
CALM												31.5	
	26.4	30.0	10.3	1.7	.1							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS      837

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

747750 STATION TYNDALL AFB FL 73-81 YEARS JUL MONTH  
 ALL WEATHER CLASS 3300-0500 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	1.6	.1									5.5	2.8
NNE	1.3		.2									1.2	2.5
NE	2.0	1.9	.6									4.5	4.1
ENE	4.2	2.2	.5									6.8	3.1
E	3.7	3.8	.7	.1								8.4	4.0
ESE	1.3	.6	.5									2.4	4.2
SE	.7	.2	.1									1.1	2.9
SSE	.2		.2									.5	5.8
S	.2	.8	.2	.4								1.7	7.1
SSW	.7	1.1	.5	.1								2.4	5.3
SW	.5	2.3	1.0	.2	.1							4.1	6.1
WSW	1.4	3.6	1.1	.1								6.2	5.1
W	2.0	5.9	1.7	.4								9.9	5.0
WNW	1.6	2.0	.6									4.2	4.3
NW	2.2	.8	.4	.1								3.5	3.4
NNW	.7	.1										.8	2.6
VARBL													
CALM												36.9	
	26.3	26.9	8.4	1.4	.1							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

**SURFACE WINDS**

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

747757 STATION TYNDALL AFB FL 73-81 YEARS JUL MONTH  
ALL WEATHER CLASS 0600-3800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.8										5.9	3.9
NNE	2.2	2.3										4.4	3.8
NE	2.5	2.4	.4									5.3	3.7
ENE	3.8	5.0	1.6									10.4	4.3
E	5.4	6.2	2.3	.1								14.0	4.4
ESE	1.4	2.4	1.0									4.8	4.6
SE	.6	.6	.2									1.4	4.4
SSE	.6	.7	.1									1.4	4.2
S	1.0	.6	.6	.2								2.4	5.8
SSW	.4	1.6	.5	.1								2.5	5.1
SW	.7	1.9	1.0	.1								3.7	5.8
WSW	1.0	2.3	1.7	.2								5.1	5.9
W	2.0	4.1	1.8	.2								8.1	5.3
WNW	1.6	2.5	1.0	.1								5.1	5.1
NW	1.1	1.7	1.4									4.2	5.3
NNW	2.3	2.7	.7									5.7	4.4
VARBL													
CALM												15.5	
	28.4	40.7	14.1	1.2								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

### SURFACE WINDS

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

747750      TYNDALL AFB FL      73-81      JUL

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0900-1100

CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	1.0									3.9	4.6
NNE	.7	1.6	.6									2.9	4.8
NE	1.2	2.0	.4	.1								3.7	4.6
ENE	1.6	2.4	1.4									5.4	5.2
E	2.3	4.2	1.3	.5								8.2	5.1
ESE	1.6	1.4	1.0	.1								4.1	4.9
SE	.4	1.4	.5									2.3	5.6
SSE	.5	.8	1.4									2.7	6.3
S	1.4	3.1	2.5	.1								7.2	5.8
SSW	1.3	3.9	2.0	.4								7.6	5.6
SW	1.6	5.9	4.2	.4								11.9	5.8
WSW	1.1	6.0	6.0	.2								13.3	6.4
W	1.4	5.1	6.2	.7	.1							13.6	6.8
WNW	.5	1.6	.8	.1								3.0	6.0
NW	.5	1.7	.4									2.5	5.0
NNW	.5	2.6	.5	.1								3.7	5.5
VARBL													
CALM												3.9	
	17.7	45.4	30.1	2.7	.1							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS      837

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 74775 STATION NAME TYNDALL AFB FL YEARS 73-81 MONTH JUL  
 CLASS ALL WEATHER HOURS (LST) 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	.6	.6	.4									1.6	4.7
NNE	.2	.4	.4									1.7	5.6
NE	.2	.9	.5									1.6	5.6
ENE	.1	.4	.4									1.1	5.8
E	.6	1.7	2.3		.1							4.7	6.7
ESE	.6	1.1	.8	.2								2.7	6.0
SE		.6	1.2	.1								1.9	7.6
SSE	1.0	.8	1.1	.5								3.3	6.9
S	.6	3.2	5.7	1.0								10.5	7.6
SSW	.5	3.9	7.3	.8								12.5	7.4
SW	.6	7.7	10.8	.4								18.8	7.0
WSW	.7	6.7	15.2	1.7								24.3	7.7
W	1.2	2.2	5.9	1.6								10.8	7.8
WNW	.1	.7	.5									1.3	6.1
NW	.1	.6	.2	.1								1.1	6.4
NNW	.5	.6	.7	.1								1.9	6.4
VARBL													
CALM												1.1	
	7.6	31.9	53.2	6.5	.1							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
 USFETAC  
 AIR WEATHER SERVICE/MAC

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

## SURFACE WINDS

747757 TYNDALL AFB FL 73-81 JUL  
 STATION STATION NAME YEARS MONTH  
 ALL WEATHER NORTH  
 CLASS 1500-1700  
 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.2										1.7	2.5
NNE	.4	.8	.1									1.3	4.2
NE	.8	.1	.1									1.1	3.4
ENE	.5	.4	.4	.2								1.4	5.8
E	.8	1.2	1.1	.1	.1							3.3	6.1
ESE	.4	.7	1.3	.6								3.0	7.4
SE	.5	.4	.7	.4								1.9	6.5
SSE	.2	1.3	1.8	.1								3.5	6.8
S	.6	4.4	6.8	1.0								12.8	7.2
SSW	.7	4.1	6.5	.7								11.9	7.2
SW	1.3	7.4	8.1	.5								17.3	6.6
WSW	1.4	6.5	10.9	.7								19.5	7.0
W	.8	4.3	6.9	1.9								14.0	7.6
WNW	.5	.5	.7	.1								1.8	6.1
NW	.4	.6	.4									1.3	5.0
NNW		.2	.1									.4	6.0
VARBL													
CALM												4.5	
	10.0	33.1	45.9	6.3	.1							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

837



1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

### SURFACE WINDS

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

747750    TYNDALL AFB FL    73-81    JUL

STATION    STATION NAME    YEARS    MONTH

ALL WEATHER    1800-2000

CLASS    HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7		.2								1.4	5.2
NNE	.7	.4	.2									1.3	4.3
NE	.4	.2	.1									.7	4.2
ENE	1.2	.2			.1							1.6	3.5
E	3.3	1.6	.6	.1								4.5	3.9
ESE	1.6	1.7	.6									3.1	4.2
SE	1.1	1.2	.5									2.7	4.4
SSE	.6	1.0	.8	.1								2.5	5.4
S	2.7	3.9	2.0	.2								9.0	5.0
SSW	1.8	5.6	1.6									9.0	4.9
SW	3.6	5.9	2.0	.1								11.6	4.8
WSW	4.4	6.8	3.3	.2								14.8	4.9
W	3.5	9.1	6.2	.2								19.0	5.6
WNW	1.7	1.1	.5									2.5	4.4
NW	1.2	.6	.1									1.9	3.0
NNW	.6	.1	.2									1.0	3.9
VARBL													
CALM												13.4	
	27.0	39.3	18.9	1.3	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS    837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
A. WEATHER SERVICE/MAC

**SURFACE WINDS**

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

747750 STATION TYNDALL AFB FL STATION NAME 73-81 YEARS JUL MONTH 2100-2300 HOURS (L S Y)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.6	.1	.1								1.8	4.4
NNE	1.1	1.0	.2									2.3	3.8
NE	.7	.6	.2									1.6	4.2
ENE	2.0	1.2	.1									3.3	3.3
E	2.3	1.9	.5	.1								4.8	4.1
ESE	1.9	1.1	.6									3.6	4.2
SE	.8	.5	.5									1.8	4.5
SSE	.6	.1	.7	.4								1.8	7.3
S	1.3	1.6	.4	.4								3.6	5.0
SSW	3.2	3.0	.8									7.0	4.1
SW	3.0	3.5	1.2									7.6	4.3
WSW	3.6	7.2	1.3	.1								12.2	4.5
W	3.7	6.2	3.0	.2								13.1	4.9
WNW	1.4	2.7	.2	.1								4.5	4.4
NW	1.7	.2	.2									2.2	2.9
NNW	.8	.4	.1									1.3	3.5
VARBL													
CALM												27.5	
	22.2	31.7	10.3	1.9								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 837

8  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 747750 STATION NAME TYNDALL AFB FL YEARS 73-81 MONTH JUL  
 CLASS ALL WEATHER HOURS (LST) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.2	.2	.1								3.7	3.7
NNE	.9	.9	.2	.0								2.0	4.1
NE	1.2	1.1	.4	.0								2.7	4.2
ENE	2.0	1.8	.6	.7	.0							4.3	4.1
E	2.4	2.9	1.2	.1	.0							6.8	4.7
ESE	1.3	1.1	.7	.1								3.2	4.6
SE	.6	.7	.5	.1								1.9	5.0
SSE	.6	.6	.8	.1								2.2	6.2
S	1.1	2.4	2.4	.4	.0							6.5	6.4
SSW	1.3	3.2	2.5	.3								7.2	5.9
SW	1.6	4.5	3.7	.2	.0							17.1	6.0
WSW	2.0	5.5	5.1	.4								13.0	6.1
W	2.2	5.5	4.3	.7	.0							12.7	6.0
WNW	1.1	1.7	.6	.1								3.4	4.8
NW	1.7	.8	.4	.0								2.3	4.2
NNW	.8	.9	.3	.0								2.0	4.5
VARBL													
CALM												16.8	
	21.6	34.8	23.9	2.8	.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 5696

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAO

### SURFACE WINDS

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

747751 TYNBALL AFB FL 73-81 AUG 1980-2000  
 STATION STATION NAME YEARS MONTH  
 ALL WEATHER CLASS  
 HOURS (L & T)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.4	1.1	.5									2.4 4.6
NNE	.2	1.1	.1									3.3 3.1
NE	.2	3.2										6.5 3.5
ENE	3.9	4.4	1.6									9.9 4.2
E	6.1	6.6	.6									13.3 3.7
ESE	1.6	.7	.2									2.5 3.4
SE	.5	.1	.2									.8 4.9
SSE		.1	.2	.1								.5 9.8
S	.5	1.0	.6									2.7 5.3
SSW	.5	1.1	.1									1.4 4.8
SW	.1	1.4	.6									2.2 6.1
WSW	.6	1.1	.5									2.2 4.9
W	1.9	2.0	.4	.1								4.4 4.1
WNW	.4	.4	.2									1.7 4.9
NW	.4	.4										.7 3.8
NNW	1.2	.2										1.4 2.8
VARBL												
CALM												45.5
	23.5	24.7	5.9	.2								100.0 2.2

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 14775 TYNDALL AFB FL STATION NAME: 73-81 YEARS: AUG MONTH: 0307-0500  
 CLASS: ALL WEATHER HOURS: 1207  
 CONDITION:

SPEED (KNTS) DIR	1-3	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	.7	.5									2.7	3.6
NNE	2.3	.8	.5									3.6	3.3
NE	3.8	2.3	1.7									7.4	3.8
ENE	5.7	7.7	1.3									15.2	4.0
E	5.5	6.5	1.0	.1								14.0	7.7
ESE	1.4	.4	.1									1.9	2.1
SE	.4	.4	.1									.8	4.1
SSE	.1		.1									.2	4.5
S	.1	.5	.4	.1								1.1	6.3
SSW	.1	.4	.4									1.2	5.0
SW	.5	1.2	.4									2.0	5.1
WSW	1.0	1.4	.2	.1								2.7	4.4
W	1.4	1.4	.2									3.1	3.7
WNW	.5	.7										1.2	3.6
NW	.4	.4										.7	3.3
NNW	.1	.4										.5	4.5
VARBL													
CALM												41.6	
	27.1	24.5	6.5	.4								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 637

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 747751 TYDALL AFB FL STATION NAME 73-81 YEARS AUG  
 CLASS ALL WEATHER MONTH 1600-2600  
 CONDITION

SPEED (KNTS) DIR	1 - 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	1.3	.6									4.5	4.1
NNE	3.9	2.4	.8									7.2	3.6
NE	4.7	3.6	1.6									9.8	4.1
ENE	5.6	10.5	5.0									21.1	4.9
E	6.2	8.7	2.4	.1								17.4	4.5
ESE	1.8	1.4	.1									3.3	3.5
SE	.5	.2										.7	2.5
SSE	.4	.2	.1									.7	3.5
S	.1	.1	.8									1.4	7.0
SSW	.4	.4										.7	3.2
SW	.4	.7	.5									1.6	5.2
WSW	.4	.7	.6									1.7	5.8
W	.8	1.7	.5									3.0	4.6
WNW	.2	.7	.1									1.1	4.7
NW	1.1	1.1										2.2	3.7
NNW	1.0	1.6	.4	.1								3.0	4.4
VARBL													
CALM												27.5	
	29.5	36.2	13.5	.2								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 637

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

**SURFACE WINDS**

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

747750 STATION TYNDALL AFB FL STATION NAME 73-81 YEARS AUG MONTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	3.1	.5									5.1	4.1
NNE	2.0	1.7	.7	.1								4.5	4.3
NE	1.7	1.8	1.4	.5								5.4	5.4
ENE	3.2	4.2	3.3	.4	.1							11.2	5.5
E	3.0	7.7	4.9	1.1								16.0	5.9
ESE	2.4	3.7	.8	.2								7.2	4.6
SE	.7	1.0	.6	.1								2.4	5.5
SSE	.5	1.2	.8	.2								2.7	6.1
S	.7	4.1	2.5	.2								7.5	6.1
SSW	1.7	2.4	1.8	.1								6.0	5.3
SW	1.0	2.3	1.1									4.3	5.2
WSW	.8	3.6	1.1									5.5	5.3
W	.7	3.6	1.8									6.1	5.7
WNW	1.3	2.7	.7									4.1	4.9
NW	1.0	1.2	.7									2.9	4.8
NNW	.4	1.1	.1	.1								1.7	4.9
VARBL													
CALM												7.4	
	22.6	43.8	22.9	3.1	.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

74775 STATION TYNDALL AFB FL STATION NAME 73-81 YEARS AUG MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									2.2	5.2
NNE	.7	1.9	.1									2.7	4.8
NE	1.1	1.3	1.6	.4								4.3	6.2
ENE	1.1	1.9	1.7	.4								5.0	6.0
E	1.2	3.1	1.8	.4								6.5	6.0
ESE	.5	1.2	.6	.5								2.7	6.9
SE	.4	1.1	1.0	.2								2.6	7.0
SSE	.7	1.2	1.2	.5								3.6	6.9
S	.6	5.9	6.2	1.4	.1							14.2	7.4
SSW	.6	5.5	4.8	.4								11.2	6.6
SW	.7	6.2	4.5									11.5	6.3
WSW	.8	7.7	7.2	.4								15.4	6.7
W	1.1	4.4	3.9	1.0								10.4	6.5
WNW	.6	1.7	.6									2.9	5.1
NW	.5	.2	.1									.8	3.4
NNW	.2	.5	.4	.1								1.2	5.7
VARBL													
CALM												2.7	
	11.5	43.8	36.3	5.5	.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 837



1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

**SURFACE WINDS**

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

74775- TYNDALL AFB FL 73-81 AUG  
 STATION STATION NAME YEARS MONTH  
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	.4									2.2	4.9
NNE	1.0	.8	.7									2.5	4.7
NE	.7	1.6	.7	.2								3.2	5.7
ENE	1.1	1.7	.6									3.3	4.3
E	2.0	3.0	1.2	.2								6.5	5.1
ESE	1.0	1.7	.8									3.5	5.1
SE	.4	1.9	.4									2.6	5.1
SSE	.5	2.5	1.9	.2								5.1	6.6
S	1.6	5.7	5.4	.6								13.3	6.5
SSW	1.8	5.0	5.1									11.9	6.1
SW	1.3	5.7	2.5	.1								9.7	5.7
WSW	1.4	6.0	5.5	.1								13.0	6.2
W	1.4	6.5	3.6	.6								12.1	5.9
WNW	.4	1.2	.7									2.3	5.5
NW	.2	.5	.2									1.0	5.0
NNW	.1	.6										.7	4.0
VARBL													
CALM												7.2	
	15.5	45.4	29.7	2.2								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

74775<sup>1</sup>      TYNDALL AFB FL      73-81      AUG

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1900-2000

CLASS      HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.7	.5									2.0	4.6
NNE	1.7	1.6	.2									3.5	3.6
NE	2.2	2.2	.8									5.1	4.1
ENE	1.9	2.2	1.1	.1								5.3	4.7
E	4.1	1.2	.6		.1							6.0	3.5
ESE	1.2	1.4	.4									3.0	3.8
SE	2.0	1.7	.1									3.1	3.7
SSE	1.2	1.4	.1	.1								2.9	3.9
S	2.4	3.6	.5	.1								6.6	4.7
SSW	2.3	2.7	.5									5.5	3.9
SW	3.1	2.6	.5									6.2	3.9
WSW	2.3	4.1	1.3									7.6	4.4
W	3.3	3.2	1.8									8.4	4.7
WNW	.7	1.4	.4									2.5	4.8
NW	1.2	.4	.2									1.8	3.4
NNW	.4	.7	.1									1.2	4.4
VARBL													
CALM												29.4	
	30.7	30.3	9.1	.4	.1							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS      837

2  
0752

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

74775 STATION TYNDALL AFB FL YEARS 73-81 MONTH AUG  
 ALL WEATHER CLAS  
 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	48-53	≥56	%	MEAN WIND SPEED
N	1.7	1.0	.5									3.1	3.8
NNE	1.4	1.8	.1									3.3	3.5
NE	1.9	2.6	.5									5.0	4.1
ENE	4.1	3.2	1.2	.1								8.6	4.0
E	6.1	2.9	1.8									17.8	3.8
ESE	1.8	.6	.2									2.6	3.0
SE	1.0	.6	.1									1.7	3.5
SSE	.5	.7	.2									1.4	4.4
S	.8	1.2	.2	.1								2.4	4.7
SSW	.4	.3										1.2	4.3
SW	.7	1.8	.5									3.0	5.0
WSW	1.3	1.6	.4									3.2	4.2
W	1.1	1.7	.5									3.2	4.5
WNW	.6	.6	.2									1.4	4.5
NW	.4	.7										1.1	3.8
NNW	.7	.2	.1									1.1	3.8
VARBL													
CALM												46.8	
	24.4	22.0	6.6	.2								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

**SURFACE WINDS**

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

74775 STATION TYNDALL AFB FL 73-81 YEARS AUG MONTH  
ALL WEATHER CLASS ALL HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.5									3.0	4.3
NNE	1.9	1.5	.4	.0								3.8	3.8
NE	2.4	2.3	1.7	.1								5.8	4.4
ENE	3.4	4.4	2.0	.1	.0							10.0	4.7
E	4.4	4.9	1.8	.2	.0							11.3	4.5
ESE	1.4	1.4	.4	.1								3.3	4.3
SE	.7	.8	.3	.0								1.9	4.7
SSE	.5	.9	.6	.1								2.2	5.9
S	.9	2.8	2.1	.3	.0							6.1	6.3
SSW	1.7	2.3	1.6	.1								4.7	5.6
SW	1.0	2.7	1.3	.0								5.0	5.4
WSW	1.1	3.2	2.1	.1								6.4	5.7
W	1.5	3.1	1.6	.2								6.3	5.4
WNW	.6	1.1	.4									2.0	4.9
NW	.6	.6	.2									1.4	4.0
NNW	.5	.7	.1	.0								1.3	4.3
VARBL													
CALM												25.1	
	23.1	33.9	16.3	1.5	.0							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 5696

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 747750 STATION NAME TYNDALL AFB FL YEAR 73-81 MONTH SEP  
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.7	2.2	.1								9.3	5.0
NNE	2.7	2.1	1.1	.1								5.3	4.6
NE	2.7	2.0	3.0	.1								7.8	5.4
ENE	3.1	5.2	3.2	.4								11.9	5.4
E	3.7	4.9	2.8	.7								12.2	5.4
ESE	1.0	1.0	.6		.1							2.7	5.3
SE	.4	.6		.1								1.1	4.2
SSE	.1	.2		.2								.6	8.6
S		.5	.1	.2								.9	7.9
SSW	.1	.9	1.2	.1								2.3	7.2
SW	.2	.9	.4	.1								1.6	5.9
WSW	.7	.9	.2	.1								2.0	5.0
W	1.2	2.7	.5									3.7	4.4
WNW	.5	.6	.1									1.2	4.2
NW	.5	.4										.9	3.3
NNW	1.0	.4	.2									1.6	3.6
VARBL													
CALM												34.5	
	19.5	27.2	15.8	2.5	.1							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 810

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

74775 STATION TYNDALL AFB FL STATION NAME 73-81 YEARS SEP MONTH 0300-0500 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	4.2	1.9	.4								9.3	5.1
NNE	2.0	2.3	2.1	.4								6.8	5.5
NE	3.5	4.6	2.7	.4								11.1	5.1
ENE	5.8	7.9	3.9	.4								17.9	4.9
E	3.8	5.4	2.5	.4								12.1	4.7
ESE	.6	.4	.1	.2		.1						1.5	7.1
SE	.5	.1	.2					.1				1.0	8.5
SSE		.1	.2	.1								.5	9.5
S	.1	.7	.4	.4								1.6	7.3
SSW		.9	.7	.1								1.7	7.2
SW		.2	.6	.1								1.0	7.6
WSW	.1	.6	.2									1.0	5.4
W	1.2	.9	.4									2.5	4.0
WNW	.5	.4										.9	3.0
NW	.6	.5	.1									1.2	3.4
NNW	.6	.6	.2	.1								1.6	5.0
VARBL													
CALM												28.4	
	22.2	29.9	16.3	3.0		.1		.1				100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 810

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

747751      TYNDALL AFB FL      73-81      SEP

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0600-0800

CLASS      HOUR (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.7	3.1	1.5	.4								8.5	4.6
NNE	1.9	3.3	2.3	.5								3.0	5.7
NE	3.5	4.5	4.0	.9								12.9	5.6
ENE	6.7	17.9	5.7	1.1								24.3	5.3
E	4.4	9.5	4.2	.7								18.0	5.4
ESE	1.2	.9	.9									3.0	4.7
SE	.2		.6									.9	6.4
SSE	.1	.1	.1									.4	5.0
S		.1	1.2	.7				.1	.1			2.3	13.3
SSW	.1	.7	.4	.1		.1						1.3	9.4
SW	.1	.5	.4	.1								1.1	7.1
WSW	.1	.5	.4									1.0	5.8
W	.6	.7	.6									2.0	5.1
WNW	.2	.2										.5	3.0
NW	.4	.2	.2									.9	4.7
NNW	.6	1.5	.5									2.6	5.0
VARBL													
CALM												10.0	
	24.0	35.6	23.0	4.6		.1		.1	.1			100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 810

1  
2

JOINT CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 74775 TYNDALE AFB FL STATION NAME: 73-81 YEARS: SEP  
 CLASS: ALL WEATHER MONTH: 0900-1100  
 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	1.7	3.2	.7									5.7	4.6
NNE	2.0	3.5	2.6	.2								8.3	5.6
NE	2.7	4.7	2.7	.5								9.1	5.6
ENE	2.2	6.2	6.5	.7								15.7	6.4
E	3.6	6.5	6.7	1.6								18.4	6.2
ESE	.0	2.7	2.3	.1								6.0	6.0
SE	.9	.7	.5	.8								2.0	6.6
SSE	.0	1.7	1.7	.1								3.7	6.4
S	1.0	2.6	1.0	1.5								6.7	7.3
SSW	.6	2.3	1.1	.2								4.3	5.7
SW	.7	1.7	1.2	.4	.1							3.5	7.1
WSW	1.7	2.7	1.7	.4								5.1	6.0
W	.5	1.0	.7	.4								3.5	6.1
WNW	.1	.5	.2	.2								1.2	6.4
NW	.4	.4	.1									.9	4.6
NNW	1.0	1.7	.6	.2								2.8	5.3
VARBL													
CALM												3.8	
	10.4	39.0	30.6	7.0	.1							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 810



1  
2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 7475 TYNDALL AFB FL YEARS 77-81 MONTH SEP  
 CLASS ALL WEATHER HOURS (L & 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	1.4	1.4	1.0	.1								3.3	5.4
NNE	.9	1.4	2.7									4.2	6.7
NE	.1	2.7	2.7	.5								5.3	7.7
ENE	1.2	2.6	2.6	.6								7.0	6.4
E	1.4	4.2	3.8	1.1								12.5	6.8
ESE	.7	1.2	1.0	.6								3.6	6.4
SE	.2	.6	1.4	.5								2.7	8.2
SSE	.6	1.7	1.7	1.2								4.6	6.2
S	1.1	2.6	4.4	1.4								9.5	7.4
SSW	.4	3.8	3.8	1.0								9.2	7.7
SW	.9	7.3	3.5	.1								11.7	5.9
WSW	.9	5.8	8.1	.2								15.1	6.9
W	.2	3.0	4.0	.6								7.8	7.1
WNW	.2	.6	.6									1.5	6.7
NW	.2	.6	.2	.4								1.5	6.8
NNW	.2	.4	.7									1.4	6.5
VARBL													
CALM												.9	
	17.7	38.4	41.6	8.4								170.7	6.7

TOTAL NUMBER OF OBSERVATIONS 813

2

USAF CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 4775      TYNDALE AFB FL      STATION NAME:      YEARS: 77-81      MONTH: SEP  
 CLASS: ALL WEATHER      HOURS: 1700-1700  
 CONDITION:

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.4	2.1	.2								4.7	5.2
NNE	1.0	1.4	1.6	.1								1.7	5.3
NE	1.2	1.7	2.3	.7								5.2	6.6
ENE	.6	2.1	1.9	.1								5.7	6.1
E	1.0	1.7	1.4	.2								4.3	5.9
ESE	.6	1.4	1.2	.2								3.5	5.9
SE	1.2	.4	1.2	.5								3.1	6.9
SSE	.5	1.7	1.7	.5								4.4	7.1
S	1.0	4.6	2.7	1.2								7.5	6.8
SSW	1.1	3.3	3.7	.4								6.7	6.3
SW	1.6	4.3	2.3	.4								5.5	5.7
WSW	3.6	7.4	4.1	.1								14.4	5.5
W	1.5	6.7	4.8	.5								12.3	6.2
WNW	.5	.5	1.1									2.5	5.6
NW	.4	.7	.6									1.2	5.9
NNW	.5	.7	.9									2.1	5.7
VARBL													
CALM												3.3	
	16.9	47.7	33.7	5.3								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 812

1  
2

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFSAFAC  
 2000 AVIATION SERVICE/MAC

# SURFACE WINDS

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

7. TY WALL AFB FL STATION NAME 77-81 YEARS SEP MONTH 1950-1952  
 CLASS ALL WEATHER  
 COND. FIG. \_\_\_\_\_

WIND D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.5	1.5	.1								8.3	5.4
NNE	1.7	2.3	1.1	.1								5.3	5.2
NE	1.7	2.7	1.2	.2								5.9	5.0
ENE	1.5	1.2	2.2	.9								5.3	6.7
E	2.7	2.2	1.0	.6								7.3	4.4
ESE	1.7	1.7	.9									4.2	4.3
SE	1.7	1.7	.7									3.0	3.7
SSE	1.5	.7	.5									2.1	4.4
S	1.5	1.4	1.1									4.1	4.9
SSW	1.5	2.5	.7	.1								4.5	4.7
SW	2.5	1.4	.4									4.2	3.5
WSW	.2	2.3	.5	.2								5.3	4.2
W	1.5	2.2	1.1	.1								4.8	4.9
WNW	1.5	2.0	.4									4.0	4.2
NW	1.5	.2										2.3	2.3
NNW	1.7	.5	.4									2.7	3.5
VARBL													
CALM												7.2	
	27.3	27.2	13.2	2.5								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 812

1  
2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 707757      STATION NAME: TYNDALE AFB FL      YEARS: 77-81      MONTH: SEP

CLASS: ALL WEATHER      HOURS (L & T): 100-2300

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	0.5	4.4	1.5									8.4	4.9
NNE	1.5	1.7	.7	.1								4.1	4.7
NE	1.0	2.2	2.3	.2								5.8	6.4
ENE	1.7	3.1	2.8	.5								9.3	5.4
E	3.5	4.4	2.1									13.7	4.6
ESE	1.3	1.5	.5	.4								4.7	4.3
SE	1.1	.1	.1									1.4	3.2
SSE	.4	.4		.1								.9	4.9
S	.4	1.4	.0	.1								2.7	6.1
SSW	.2	.7	.6									1.7	6.2
SW	1.2	.2	.4									2.5	3.7
WSW	.6	1.4										2.0	4.4
W	1.7	1.2	.6									3.6	4.2
WNW	1.9	.1	.1									2.1	2.4
NW	1.6	.5										2.2	2.6
NNW	.7	.5	.2									1.5	4.2
VARBL													
CALM												37.5	
	27.3	24.7	13.7	1.5								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

74770 TYNDALL AFB FL 77-81 SEP  
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	0.1	3.1	1.5	.2								7.0	5.1
NNE	1.7	2.3	1.7	.2								5.8	5.4
NE	2.3	3.7	2.6	.4								8.0	5.8
ENE	3.7	5.7	3.6	.6								12.2	5.6
E	7.1	4.8	3.1	.7								11.6	5.5
ESE	1.1	1.4	.9	.2	.0	.7						7.6	5.4
SE	.8	.4	.5	.2				.7				1.9	6.7
SSE	.4	.7	.8	.3								2.1	6.9
S	.5	1.7	1.5	.7				.2	.7			4.6	7.2
SSW	.5	1.9	1.5	.3			.7					4.2	6.4
SW	.9	2.1	1.1	.2	.0							4.3	5.6
WSW	.2	2.6	1.9	.								3.8	5.7
W	1.1	2.2	1.6	.2								5.1	5.7
WNW	.7	.7	.3	.0								1.7	4.4
NW	.7	.5	.2	.0								1.4	4.0
NNW	.3	.7	.5	.7								2.0	4.8
VARBL													
CALM												18.6	
	27.7	32.9	23.4	4.3	.0	.0		.0	.0			100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 5480

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

**SURFACE WINDS**

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

740750 STATION TYNDALL AFB FL 73-81 YEARS 001 MONTH 1000-0000 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	5.5	5.6	.1								13.9	5.8
NNE	2.3	4.7	1.2	.4								8.5	4.8
NE	1.9	5.5	3.1	.4								10.9	5.7
ENE	3.1	4.4	2.7	.7								11.0	5.5
E	2.6	4.5	4.1	.6								11.8	5.9
ESE	.6	.2	.4									1.2	4.5
SE	.1	.2		.1								.5	5.8
SSE	.1		.4	.2	.1							.8	10.0
S	.2	.6	.5		.2							1.6	8.0
SSW	.1	.7	.5									1.3	6.1
SW	.2	.2	.1									.6	4.8
WSW	.2	.6	.2									1.1	5.2
W	.2	1.0	.4									1.6	5.2
WNW	.2		.4									.6	5.4
NW	.6	.4	.2	.2								1.4	5.8
NNW	1.4	1.3	1.1	.6								4.4	6.1
VARBL													
CALM												26.9	
	15.7	29.9	20.8	3.3	.4							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 877

1  
2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 74075 TYNDALL AFB FL STATION NAME: 73-81 YEARS: OCT MONTH: 0300-0500 HOURS (LST)

CLASS: ALL WEATHER

CONDITION:

SPEED KNTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	5.7	5.5	.1								13.3	6.0
NNE	1.6	7.7	3.8	.5								9.1	6.1
NE	3.0	6.9	4.3	.7								15.7	5.5
ENE	4.3	4.9	4.8	.4								14.3	5.3
E	3.5	4.4	2.4	.2								11.5	4.3
ESE	.5	.3	.1									1.9	3.7
SE	.1	.2	.1	.1								.5	6.8
SSE			.5	.1								.6	9.4
S		.2	.1		.2	.1						.7	13.5
SSW		1.5										1.6	5.7
SW		.3	.4									.5	7.7
WSW		.5	.2									.7	6.7
W		.1		.1								.4	7.7
WNW	.2	.1										.4	3.7
NW	.4	.1	.4	.2								1.1	7.2
NNW	1.7	1.4	1.8	.2								4.4	6.4
VARBL													
CALM												73.5	
	17.6	31.5	24.3	2.7	.2	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

837

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

747751 TYNDALE AFB FL 73-81 OCT 1967-1968  
 STATION STATION NAME YEARS MONTHS  
 ALL WEATHER CLASS 1600-1800 HOURS (LST)  
 CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	4.2	5.1	.7								13.3	6.1
NNE	2.4	2.1	3.5	1.3								10.3	6.4
NE	3.0	6.1	7.6	.8								18.5	6.0
ENE	4.7	7.8	6.5	1.6								20.4	6.0
E	2.2	7.5	3.6	.4								13.5	5.5
ESE	.6	.7	.6	.2								2.2	6.0
SE	.7	.4		.1								.6	6.4
SSE	.2	.2										.5	4.0
S		.1	.1	.1								.4	8.7
SSW		.2	.2	.1								.6	8.0
SW		.1	.1		.1							.4	9.7
WSW		.6	.6	.2								1.4	8.3
W		.4	.4									.7	7.2
WNW	.1	.1										.2	3.5
NW	.2	.2	.2	.2								1.0	7.3
NNW	1.1	1.2	1.4	.2								4.7	5.9
VARBL													
CALM												11.4	
	19.9	37.7	30.0	6.1	.1							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 837



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7-75 STATION TYNDALE AFB FL 77-81 YEARS OCT MONTH  
 ALL WEATHER CLAS 900-1100 HOURS LST  
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.4	4.2	1.4								11.2	6.8
NNE	3.8	5.7	3.8	1.6								14.5	6.0
NE	1.6	3.3	5.6	1.3								11.8	7.2
ENE	1.7	5.5	6.9	2.3								16.4	7.3
E	1.9	5.5	9.1	1.6								19.7	7.2
ESE	.1	.8	2.3	.7								3.9	8.2
SE	.1	.2	.2	.8	.1							1.6	11.1
SSE		.1	1.3	1.1								2.5	10.3
S	.2	1.0	.8	.7								2.7	7.9
SSW	.2	.6	.2	.1	.2							1.4	8.7
SW	.5	1.7	.6									2.0	5.7
WSW	.5	1.1	1.6									3.1	6.3
W	.1	.6	.8	.2								1.8	6.9
WNW	.1	.6	.1									.8	4.7
NW	.4	1.3	.5	.2								2.4	6.2
NNW	.5	2.7	1.6	.1								4.2	6.3
VARBL													
CALM												1.6	
	13.7	32.5	39.7	12.2	.4							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 837

2

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

74775      TYNDALL AFB FL      73-81      OCT  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER      1200-1400  
CLASS      HOURS (L & Y)  
CONDITION

SPEED (KNTS) DIR.	1-3	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	3.6	3.7	1.0								10.4	6.4
NNE	1.7	3.7	3.6	1.4								10.4	7.0
NE	.5	2.2	3.8	1.2								7.6	7.7
ENE	1.7	3.1	4.4	.6								9.8	6.5
E	.8	2.4	3.7	.4								7.3	7.0
ESE	.4	.7	1.2	.7								3.0	8.3
SE	.7	.5	1.0	.5	.1							2.2	9.1
SSE	.2	.7	2.9	1.6								5.4	9.3
S	.7	1.6	3.7	.4	.1							6.0	7.8
SSW	.1	2.7	1.6	.1	.1							3.9	7.1
SW	.4	3.1	1.9	.1								5.5	6.1
WSW	.1	3.9	4.9	.6								9.6	7.1
W	.4	2.5	3.9	.1								7.0	6.9
WNW	.4	.4	1.1	.2								2.0	7.2
NW	.2	.7	1.4	.6								3.0	7.9
NNW	.0	2.2	1.7	.8								4.9	7.6
VARBL													
CALM												2.0	
	9.6	33.3	44.4	10.3	.4							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS      837

0  
2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 14770 SYDALL AFB FL STATION NAME SYDALL AFB FL YEARS 73-81 MONTH OCT  
 CLASS ALL WEATHER HOURS (LST) 1530-1700  
 CONDITION \_\_\_\_\_

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	4.1	3.8	1.6								11.8	6.3
NNE	2.3	2.9	3.2	.7								9.1	6.1
NE	1.7	2.5	3.3	.4								7.5	6.2
ENE	.6	1.9	2.7	.5								5.0	6.5
E	.5	2.5	1.3	.1								4.5	5.9
ESE	.4	1.1	1.4									2.9	6.4
SE	.5	1.1	1.1	.4								3.0	6.9
SSE	.2	2.7	2.3	.8								5.4	7.5
S	1.2	2.6	3.5	.4								7.6	6.3
SSW	1.7	2.5	.8									4.5	4.9
SW	.8	2.2	.4									3.3	4.7
WSW	1.7	3.7	2.4	.6								7.6	6.7
W	1.7	5.5	5.7	.5	.1							13.5	6.4
WNW	.5	1.2	1.4	.2								3.3	6.6
NW	.8	1.1	.7	.1								2.7	5.2
NNW	.6	1.7	2.0	.1								4.7	5.9
VARBL													
CALM												3.5	
	17.1	37.5	35.5	6.3	.1							100.2	6.7

TOTAL NUMBER OF OBSERVATIONS 637

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

74750 TYNDALL AFB FL 73-81 OCT  
STATION MONTH  
ALL WEATHER 1973-2000  
CLASS HOUSE (L S T)  
CONDITION

SPEED KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N	5.3	6.7	3.1	.1								14.5	4.7
NNE	3.1	3.5	1.0	.2								7.8	4.4
NE	2.0	2.2	1.8	.2								6.7	5.4
ENE	1.9	2.9	1.7	.1								6.6	4.9
E	1.6	1.2	1.7									3.9	4.8
ESE	1.6	1.7	.4	.1								3.3	4.7
SE	2.6	.8	.4	.1								3.7	3.5
SSE	.4	1.0	.2									1.6	5.3
S	1.2	1.3	.4	.1								3.7	4.7
SSW	1.4	1.1	.1									2.6	3.3
SW	.8	.4	.1									1.3	3.1
WSW	.6	1.1	.7									2.4	4.9
W	1.2	2.5	.5	.5								4.7	5.3
WNW	1.7	1.1	.4	.1								2.9	4.2
NW	2.3	.7	.4	.1								3.5	3.6
NNW	1.7	2.5	1.2	.4								5.7	5.5
VARBL													
CALM												24.7	
	27.5	31.2	13.4	2.2								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 74075 TYNDALL AFB FL YEARS 73-81 MONTHS OCT  
 CLASS ALL WEATHER HOURS (LST) 1100-2300  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.1	6.5	5.7	.8								10.4	5.7
NNE	.8	4.1	.8									5.7	4.9
NE	1.9	4.1	2.9	.6								7.4	5.8
ENE	2.2	3.0	2.0	.5								9.3	5.6
E	1.6	2.7	3.2	.8								7.3	6.7
ESE	.3	.5	.1									1.4	3.1
SE	.4	.4	.4									1.1	4.0
SSE	.2		.8	.2								1.3	7.0
S	.6	.8	.4									1.3	4.7
SSW	.6	.1	.1									.3	3.6
SW	.1	.5	.2									.2	4.2
WSW	.2	.2	.4									1.4	5.0
W	.4	1.2	.7									2.3	5.3
WNW	.5	.7	.6	.1								1.9	5.1
NW	1.2	.1	.2									1.5	3.7
NNW	.7	1.0	1.7	.1								4.4	5.0
VARBL												12.9	
CALM													
	16.2	27.5	20.2	3.2								122.0	3.7

TOTAL NUMBER OF OBSERVATIONS 627

0  
2

FEDERAL CLIMATOLOGY BRANCH  
METEOROLOGICAL  
WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TWIDALL AFB FL STATION NAME: 73-81 YEARS: 1973-1981 MONTH: OCT  
 CLASS: ALL WEATHER MONTH: ALL  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	4.0	4.5	.7								13.1	5.9
NNE	1.0	3.0	2.6	.9								9.4	5.9
NE	2.0	4.1	4.1	.7								11.1	6.1
ENE	2.5	4.0	4.0	.8								11.5	6.0
E	1.9	3.0	3.5	.5								9.8	6.1
ESE	.7	.8	.8	.7								2.5	6.7
SE	.5	.5	.4	.3	.7							1.7	6.5
SSE	.7	.5	1.0	.5	.7							2.3	6.4
S	.5	1.7	1.2	.2	.1	.7						2.1	5.8
SSW	.4	1.1	.4	.0	.7							2.1	5.6
SW	.4	1.7	.4	.0	.7							1.8	5.4
WSW	.4	1.4	1.4	.2								3.4	6.4
W	.5	1.7	1.6	.7	.0							4.0	6.3
WNW	.4	.5	.5	.1								1.5	5.6
NW	.5	.6	.5	.2								2.1	5.6
NNW	.9	1.0	1.6	.3								4.7	6.7
VARBL													
CALM												15.1	
	17.4	32.7	29.5	5.8	.2	.7						100.7	5.1

TOTAL NUMBER OF OBSERVATIONS 6696

2

FEDERAL BUREAU OF SURVEY  
 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION TYNCALL AFB FL YEARS 77-81 MONTH NOV  
 CL ALL WEATHER HOURS (LST) 000-2000  
 CONDITION \_\_\_\_\_

SPEED KNTS D.R.	1-3	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	5.2	5.9	1.5								17.2	5.6
NNE	1.6	1.4	1.2	.2								4.3	5.5
NE	1.7	7.3	1.7									6.3	5.7
ENE	1.5	7.7	7.2									3.5	5.0
E	7.6	7.5	2.7	.7								14.1	5.1
ESE	1.7	1.0	.2	.1								3.1	3.6
SE	.5	.6	.2	.4								2.2	6.5
SSE	.7	.1	.6	.4	.7							1.5	10.7
S	.7	1.7	1.4	.2								4.7	5.4
SSW	.4	1.4	.6	.2								2.8	6.3
SW	.1	.7	.4									.7	6.5
WSW	.1	.1	.2	.1								.5	8.4
W	.6	.7	.1	.5								1.4	7.7
WNW			.2	.2								.2	10.9
NW	.1	.6	.1	.1								1.7	6.1
NNW	.6	.6	2.1	1.1								4.4	8.3
VARBL													
CALM												79.4	
	15.9	27.8	21.2	5.4	.2							170.0	4.3

TOTAL NUMBER OF OBSERVATIONS 810

1  
2

GLOBAL CLIMATOLOGY BRANCH  
WAFSC/TAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

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

74-1750 TAYDALL AFB FL 77-81 NOV 1950  
 STATION STATION NAME YEARS  
 ALL WEATHER CLASS 0100-1500 HOURS (LST)  
 CONDITION

SPEED (KTS) D/R	1-3	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	1.3	5.2	1.9								11.4	6.6
NNE	1.2	3.7	1.5	.2								6.2	5.5
NE	1.9	4.2	3.1									11.2	5.5
ENE	3.1	7.7	3.1	.1								10.0	5.1
E	4.2	8.3	2.9	.1								10.2	5.0
ESE	.7	2.0	.9									3.6	5.1
SE	.1	.4	.5	.5								1.7	7.3
SSE		.4	1.0	.4								1.7	9.1
S	.4	.4	1.1	.5								2.3	7.7
SSW	.2	.3	.1	.2								1.0	6.1
SW	.2	.5	.4									1.1	5.6
WSW	.2	.6	.1	.1								1.0	5.3
W	.2	.5	.7	.6								2.1	6.2
WNW			.4	.2								.6	10.2
NW			.4	.1								1.2	7.2
NNW	.2	.3	1.4	.7	.1							3.3	7.5
VARBL													
CALM												22.8	
	15.2	37.5	22.6	5.8	.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 810



0  
2

FEDERAL CLIMATOLOGY BRANCH  
WETAS  
WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION NAME: TYNDALL AFB FL YEARS: 77-81 MONTH: NOV  
 CLASS: ALL WEATHER HOURS: 0500-2300  
 CONDITION: \_\_\_\_\_

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.3	4.0	4.9	1.7								17.9	6.5
NNE	1.4	4.8	3.1	.7								9.9	6.7
NE		4.7	4.3	.5								10.2	6.7
ENE	7.7	5.2	4.4	.6								18.4	5.8
E	7.2		4.3	.4								15.9	5.4
ESE		1.1	1.5	.7								4.6	7.1
SE		7.7	4.4	.9								20.0	7.0
SSE			1.1	.9								7.2	8.5
S			1.1	.1								1.7	8.4
SSW												.4	5.7
SW												.7	5.5
WSW				.1								1.1	5.6
W			.1									.5	4.8
WNW			.4	.7								1.1	7.1
NW			.7	.5								2.2	7.7
NNW			2.2	1.1	.1							4.7	8.5
VARBL												13.7	
CALM													
	17.7	34.3	29.7	7.2	.1							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 510

2

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAG

# SURFACE WINDS

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

STATION: TYNDALL AFB FL STATION NAME: 73-81 MONTH: NOV  
 CLASS: ALL WEATHER MONTH: 900-1100  
 CONDITION: \_\_\_\_\_

SPEED (KNTS.) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	3.5	4.7	2.2								11.2	5.1
NNE	1.2	5.6	4.0	1.2								12.0	6.6
NE	1.2	3.7	3.9	.9								9.8	6.7
ENE	1.5	5.1	6.3	.9								13.4	6.6
E	1.4	5.4	6.4	1.1								15.6	6.6
ESE	.5	1.9	3.0	.4								5.8	6.9
SE	.1	.2	.9	1.6	.1	.1						1.7	9.4
SSE	.1	.7	2.3	3.5	.2							6.8	10.9
S	.5	1.4	2.6	1.2								5.7	8.4
SSW	.1	.4	.2									.7	5.7
SW		.4	.2	.1								.7	7.7
WSW	.2	.1	.4	.1	.1							1.0	8.1
W	.2	.4	1.7									1.5	6.7
WNW	.7	.6	1.0									2.3	6.1
NW	.6	.7	1.4	.6								3.3	7.2
NNW	.2	1.1	1.5	1.2	.2							4.9	8.1
VARBL													
CALM												1.4	
	10.7	32.3	39.6	15.1	.7	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 817

1  
2

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION LYNGALL AFB FL STATION NAME 73-81 YEARS NOV  
 MONTH 1000-1400  
 CLASS ALL WEATHER  
 HOUR (LST) 1000-1400  
 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	1.1	4.0	4.1	1.0								11.2	7.5
NNE	1.1	3.7	3.8	.6								4.8	6.6
NE	.7	4.3	2.7	.2								7.7	5.7
ENE	1.2	1.9	2.3	.4								5.3	6.1
E	.2	1.7	2.1	.6								4.7	7.2
ESE		.0	1.7	.7	.2							3.6	9.3
SE	.4	.4	1.5	.6	.2							3.2	9.5
SSE	.7	.7	4.3	4.7	.4	.1						10.4	12.8
S	.4	3.5	4.6	1.9								10.2	9.2
SSW	.5	3.7	1.2	.1								5.7	5.7
SW	.4	2.5	.9	.1								4.2	5.5
WSW	.5	7.1	.7	.1								4.4	5.3
W	.6	2.3	2.5	1.7								6.4	7.2
WNW	.2	.5	.5	.7								2.7	9.4
NW	.2	.1	2.0	.9	.1							3.3	9.7
NNW	.7	1.9	3.2	.7								6.5	7.6
VARBL													
CALM												.7	
	7.3	35.3	38.3	15.3	1.0	.1						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 812



1  
2

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

743751      TYNDALL AFB FL      77-81      NOV  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER      CLASS      1500-1700  
CONDITION      HOURS LST

SPEED (KNTS DIR)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.0	3.9	1.1								12.7	6.2
NNE	1.5	3.6	2.2									7.3	5.5
NE	1.1	2.7	1.1	.5								4.6	5.9
ENE	.6	1.8	1.1	.1								3.3	5.9
E	.7	2.0	1.2	.2								4.1	5.6
ESE	.7	1.8	.9	.1	.1							3.1	6.3
SE	.7	1.8	2.1	1.0								5.4	7.6
SSE	.8	2.0	5.4	2.0								10.0	8.4
S	.2	2.6	3.5	.2								8.5	5.8
SSW	1.8	2.1	1.0	.1								4.8	4.6
SW	.0	2.3	.2									3.5	4.2
WSW	1.4	2.6	.4									4.3	4.5
W	2.2	4.1	2.0	.6								8.9	5.7
WNW	1.0	1.9	.7	.6								4.2	6.2
NW	.2	1.4	1.1	.5								3.2	7.6
NNW	1.0	1.8	2.3	.0								6.0	7.1
VARBL													
CALM												6.2	
	12.1	37.7	28.9	8.0	.1							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS      810

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 7373 TYNCALL AFB FL STATION NAME 73-81 YEARS NOV  
 CLASS ALL WEATHER MONTH 1990-2000  
 HOURS (LST)                       
 CONDITION                     

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.5	4.9	4.3	1.4								15.2	5.7
NNE	1.5	3.1	2.2									6.3	5.4
NE	1.5	2.7	.7									4.2	4.2
ENE	2.2	1.1	1.7	.1								4.4	4.7
E	2.1	2.3	.5	.2	.1							5.3	4.7
ESE	1.2	3.1	.5	.4								5.8	4.9
SE	2.2	1.4	.6	.7								4.9	5.5
SSE	.9	1.4	1.7	.7								4.7	7.1
S	.6	1.2	2.0									3.8	6.8
SSW	.2	.7	.6									1.6	5.3
SW	.4	.4	.2									1.0	5.7
WSW	.5	.2	.2									1.0	4.3
W	.7	.6	.1	.1								1.6	4.6
WNW	.7	.5	.2	.1								1.6	4.7
NW	1.7	1.5	.6									3.8	4.1
NNW	1.6	1.1	1.5	.9	.1							5.2	7.0
VARBL												29.0	
CALM													
	22.3	25.6	17.2	4.7	.2							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 810

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

787731 STATION TYNOLL AFB FL STATION NAME 77-81 YEARS NOV MONTH  
ALL WEATHER CLASS 2000-2300 HOURS (LST) CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	4.8	6.3	1.4	.1							15.1	6.7
NNE	1.7	2.1	1.7	.2								5.1	5.1
NE	1.6	3.2	1.6									6.4	5.3
ENE	1.5	2.7	1.6	.2								6.1	5.4
E	2.3	2.5	1.5	.1								6.6	4.8
ESE	1.7	2.5	.4	.1								4.7	4.2
SE	1.5	.6	.6	.5								2.7	6.0
SSE	.5	1.6	1.4	.7	.1							4.3	7.6
S		1.7	1.0	.4								3.1	7.0
SSW	.1	.2	1.2	.1								2.3	6.8
SW	.1	.1	.4									.6	6.2
WSW	.4		.1									.5	3.0
W				.4								.4	12.7
WNW	.2	.1		.1								.5	5.5
NW	.6	.9	.2	.2								2.2	5.7
NNW	.2	1.2	2.1	.7								5.3	6.9
VARBL													
CALM												34.4	
	15.6	25.1	19.4	5.3	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 809

2

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 74757 TYNDALE AFB FL STATION NAME: 77-81 YEARS: NOV MONTH: ALL HOURS: ALL

CLASS: ALL WEATHER

CONDITION:

SPEED KNTS/ D.R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	4.8	4.9	1.6	.7							13.7	6.7
NNE	1.4	3.4	2.4	.4								7.6	6.0
NE	1.5	3.5	2.4	.3								7.6	5.7
ENE	1.7	3.2	2.9	.3								8.3	5.7
E	2.2	4.8	2.7	.4	.7							10.2	5.5
ESE	1.1	1.7	1.1	.2	.7							4.3	5.6
SE	.7	.8	.9	.7	.7	.7						3.2	7.5
SSE	.3	1.1	2.2	1.7	.1	.3						6.3	9.3
S	.6	1.5	2.1	.6								4.9	7.3
SSW	.4	1.3	.7	.1								2.5	5.6
SW	.3	.8	.4	.7								1.5	5.3
WSW	.5	.9	.3	.1	.7							1.7	5.3
W	.5	1.1	.9	.4								2.9	6.5
WNW	.4	.5	.4	.3								1.6	6.9
NW	.5	.9	.8	.4	.7							2.5	6.3
NNW	.9	1.2	2.0	.9	.1							5.1	7.6
VARBL													
CALM												17.1	
	45.7	31.4	27.0	8.4	.4	.7						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 6479

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

747751 STATION TYNDALL AFB FL 77-81 YEARS DEC  
 MONTH  
 0000-2200 HOURS (LST)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.1	6.3	6.3	2.0	.1							18.4	6.5
NNE	1.6	2.9	1.3	.1								5.9	5.1
NE	1.2	1.3	1.8									4.3	5.5
ENE	1.7	1.7	3.7									6.3	6.7
E	.7	3.7	2.5	.6								8.8	5.6
ESE	.7	1.2	1.1	.8								5.1	5.8
SE	.8	.4	1.1	.5								2.7	6.9
SSE	.9	.4	.7	1.1								3.2	7.9
S	.4	1.1	1.4	1.0	.1							4.2	8.3
SSW		.6	1.6	.2								2.3	8.3
SW		.6	.2									.8	6.0
WSW	.1	.1										.2	3.5
W	.2	.4	.5	.5								1.9	8.8
WNW	.2	.1	.4	.6								1.3	9.3
NW	.5	1.2	1.2	1.7	.2							4.8	8.9
NNW	1.6	.3	2.3	1.8								6.5	7.6
VARBL													
CALM												23.3	
	16.5	23.5	25.3	10.9	.5							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 837



1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

70775 TYNDALE AFB FL 73-81 73-81  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
DEC  
MONTH  
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	2.6	7.1	8.2	2.6								22.5	7.0
NNE	1.7	3.1	3.7	.1								7.9	5.7
NE	1.6	2.7	1.9									5.5	5.3
ENE	2.2	2.9	2.2	.1								7.3	5.3
E	3.1	4.2	3.2	.6								11.1	5.6
ESE	1.4	1.2	1.1	.2								3.9	5.4
SE	.6	.6	.8	.6	.1							2.6	8.0
SSE	.1	.2	1.0	.8								2.2	9.2
S	.6	.9	.7	1.0	.1							3.2	8.0
SSW	.5	1.3	1.0	.4								2.7	6.8
SW	.1	.6	.4	.1								1.2	6.4
WSW	.1	.2										.4	4.0
W	.1	.5	.7	.2								1.6	8.2
WNW		.5		.1	.1							.7	7.8
NW	.4	.3	1.2	1.7								4.1	9.4
NNW	1.7	1.4	2.7	1.1	.5							6.7	8.2
VARBL												16.4	
CALM													
	16.0	27.0	28.1	9.7	.8							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE  
 AIR FORCE WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 14775 TYNDALE AFB FL STATION NAME: 73-81 YEARS: DEC NORTH  
 CLASS: ALL WEATHER HOURS: 600-0900  
 CONDITION:

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.6	7.3	2.7								17.9	7.1
NNE	1.0	2.9	3.3	.8								8.2	6.3
NE	1.7	3.0	3.3	.7								5.7	6.4
ENE	3.5	4.2	2.5	.2								10.4	4.9
E	1.7	4.3	4.1	.6								11.0	6.2
ESE	1.4	1.2	.8	.4								4.5	5.3
SE	.5	.7	.5	1.2	.5							3.3	10.1
SSE	.2	1.1	1.4	.6	.2							3.5	8.5
S	.5	1.1	1.3	.6								3.5	7.0
SSW	.1	.2	.4	.5								1.6	7.6
SW	.1	.5	.4	.2								1.2	6.7
WSW		.1	.2	.1								.3	9.0
W	.1	.4	.1									.2	4.8
WNW		.5		.4	.1							1.3	9.1
NW	.2	.5	1.3	1.4	.1							3.6	9.6
NNW	.7	1.2	2.4	2.0	.1							6.5	8.9
VARBL													
CALM												12.9	
	15.4	29.7	29.0	11.8	1.1							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 747751 LYNDALL AFB FL STATION NAME: LYNDALL AFB FL YEARS: 73-81 NORTH: DEC  
 CLASS: ALL WEATHER HOURS (LST): 0900-1100  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	4.2	5.4	2.0								13.3	7.4
NNE	1.2	3.9	5.6	1.6								12.3	7.2
NE	.6	3.1	2.6	1.2								7.4	7.2
ENE	1.3	4.2	3.6	1.0								10.6	6.5
E	1.9	4.7	6.5	1.0								14.3	7.2
ESE	.2	1.7	1.1	.7	.1							3.1	6.2
SE	.2	.5	.7	1.8	.4	.4						3.9	12.1
SSE	.6	1.1	2.6	2.7	.8	.1						8.0	10.1
S	.2	.7	2.7	.5								4.3	8.2
SSW	.1	1.1	1.1	.5								3.0	8.5
SW	.1	.4	.2	.2								1.0	7.8
WSW	.1	.1	.1	.1								.5	6.8
W	.2		.2	.2	.1	.1						1.0	11.5
WNW	.1	.5	.7	1.2								2.6	9.2
NW	.2	1.4	1.3	1.7								4.7	8.9
NNW	.2	1.2	3.3	1.6	.1							7.2	8.7
VARBL													
CALM												3.2	
	3.2	29.2	37.9	18.4	1.6	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 637

1  
2

FEDERAL METEOROLOGICAL SERVICE  
METEOROLOGICAL CENTER  
AERONAUTICAL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TYNDALL AFB FL YEARS: 77-81 MONTH: DEC  
 STATION NAME: TYNDALL AFB FL CLASS: ALL WEATHER HOURS (LST): 1200-1400  
 CONDITION: \_\_\_\_\_

SPEED KNTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	3.1	4.7	1.8	.2							12.2	7.2
NNE	1.7	3.3	4.9	.2								10.2	6.4
NE	.4	2.3	1.3	.7								4.7	7.3
ENE	.7	1.8	1.7	.6								4.8	6.9
E	.2	1.7	2.7	.8	.1							6.2	7.4
ESE	.1	.2	.8	.6	.1							2.2	9.7
SE		.1	.5	2.2	.4	.1						3.2	13.2
SSE	.2	1.1	3.2	3.8	.8							9.2	10.7
S	.5	2.3	4.1	1.7	.1							10.3	7.6
SSW	.5	2.7	1.7	.1								4.3	5.3
SW	1.7	2.7	1.7	.5								5.1	5.7
WSW	.1	1.2	.6	.2								2.7	6.3
W	.5	3.3	2.7	1.2	.6	.1						7.8	8.2
WNW	.4	1.3	1.2	1.3	.1							4.3	8.9
NW	.5	1.1	1.9	1.7								4.4	8.1
NNW	.7	2.2	2.9	1.3	.4							7.4	6.1
VARBL													
CALM												1.7	
	13.8	32.4	34.4	13.0	2.9	.2						100.2	7.7

TOTAL NUMBER OF OBSERVATIONS 377

1  
2

FEDERAL CLIMATOLOGY BRANCH  
WAFSC  
WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TYNOCALL AFB FL YEARS: 77-81 MONTH: DEC  
 CLASS: ALL WEATHER MONTHS: 12  
 HOURS: 24  
 CONDITION: \_\_\_\_\_

SPEED KNTS Dir	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.5	7.5	4.3	1.1	.1							11.0	5.6
NNE	.7	3.6	3.7	.1								7.4	6.0
NE	.6	1.6	2.7	.5								4.7	7.0
ENE	.7	.7	.7	.2	.1							2.7	5.6
E	1.1	2.3	1.0	.7								5.0	5.7
ESE	.1	.0	1.3	.9								1.3	1.7
SE	.4	.0	1.7	1.4								4.3	6.0
SSE	.3	1.7	3.9	1.7	.1							7.7	1.7
S	1.3	7.5	2.6	.2								11.0	7.6
SSW	1.2	1.3	.5									2.9	3.7
SW	1.6	1.2	.4									3.1	4.0
WSW	1.4	1.1	.6	.1								2.7	4.0
W	2.4	3.2	2.0	1.4	.4							11.0	6.0
WNW	.5	1.7	1.8	1.1	.1							5.1	6.0
NW	.5	1.2	1.7	.4	.1							3.9	7.0
NNW	.9	1.2	3.1	1.0								6.0	7.8
VARBL													
CALM												7.9	
	15.2	30.7	32.3	12.8	1.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

637

1  
2

FEDERAL CLIMATOLOGY BRANCH  
WASH DC  
AIR WEATHER SERVICE /MAC

### SURFACE WINDS

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

STATION: TYNOCALL AFB FL STATION NAME: TYNOCALL AFB FL YEARS: 77-91 MONTH: DEC  
 CLASS: ALL WEATHER HOURS: 1300-2000  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	5.5	3.7	1.0								14.2	5.1
NNE	2.5	1.7	2.5									5.7	5.7
NE	.1	1.4	2.4	.7								5.2	5.6
ENE	.7	1.1	1.3	.1								7.1	6.7
E	1.4	4.1	1.7	.6								7.3	5.5
ESE	1.2	1.7	1.6	.1								4.5	5.4
SE	.7	.6	.9	.7								2.9	7.7
SSE	.1	1.1	2.4	.7								4.4	7.0
S	.1	1.1	1.7	.4								7.7	6.1
SSW	.1	.4	.2	.2								1.7	4.6
SW	.5	.1	.1	.1								1.0	4.0
WSW	.7	.5		.1								1.1	4.2
W	.7		1.7	.6	.1							2.9	7.7
WNW	.5	1.3	1.7	.4								3.1	6.5
NW	1.2	1.5	1.7	.4								5.7	6.7
NNW	1.2	1.4	1.5	1.1	.1							1.4	7.7
VARBL													
CALM												25.9	
	1.7	24.3	22.2	7.2	.2							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

374

2

34 METEOROLOGICAL BRANCH  
140  
STATION DERIVED ZMAG

# SURFACE WINDS

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

STATION TINDALL AFB FL STATION NAME 73-81 YEARS DEC MONTH  
ALL WEATHER CLASS 1950-1951 HOURLY CLASS  
CONDITION

	3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.4	3.8	1.7								17.1	6.3
NNE	.1	1.1	1.9									6.1	5.3
NE	.1	2.4	1.7	.1								5.3	5.7
ENE	.1	1.3	2.5	.5								4.9	5.7
E	.6	3.6	2.3	.2								7.5	5.7
ESE	.1	1.4	1.3	.2								1.7	5.3
SE	.1	1.1	.5	.2	.1							2.4	6.4
SSE	.1	.4	2.7	1.4								4.3	6.7
S	.1	1.2	1.6	.5								4.1	6.9
SSW	.1	.2	.5									1.4	5.7
SW	.1	.2	.1									.6	4.8
WSW	.1	.4	.1	.1								.8	6.3
W	.1	.1	.5	.7								2.0	7.9
WNW	.1	.1	.4	.6	.1							1.4	9.3
NW	.4	1.3	1.7	1.7	.2							4.5	8.5
NNW	1.2	2.4	2.9	1.6	.1							4.2	7.6
VARBL												27.1	
TOTAL	14.4	25.7	23.4	5.9	.5							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

134

1  
2

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFMTC  
 AIR FORCE WEATHER SERVICE/MAO

**SURFACE WINDS**

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

STATION NAME: WINDY HILL AFB FL YEAR: 73-81 MONTH: DEC  
 CLASS: ALL WEATHER HOURS PER DAY: ALL  
 CONDITION: \_\_\_\_\_

	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	0.5	5.4	1.9	.1						10.6	6.3
NNW	1.4	0.5	7.2	.4							7.9	6.3
NE	.0	0.5	2.1	.4							5.0	6.3
E	.0	0.5	2.1	.3							5.2	6.3
ESE	.1	1.2	1.1	.5							4.9	6.3
SE	.0	.0	.5	1.1	.2	.1					3.2	9.5
SSE	.0	.0	2.2	1.6	.3	.0					4.3	9.5
S	.0	1.0	2.0	.7	.0	.0					4.1	7.1
SSW	.0	1.0	.3	.3							1.5	6.6
SW	.0	.0	.3	.1							1.7	6.6
WSW	.0	.0	.2	.1							1.2	6.6
W	.0	1.2	1.0	.6	.1	.2					3.5	7.7
WNW	.0	.0	.7	.7	.1						2.5	8.3
NW	.0	1.2	1.4	1.1	.1						4.4	8.7
NNW	.0	1.0	2.6	1.4	.2						5.7	8.7
VARBL											10.4	
CALM											10.4	
	14.5	27.8	29.1	12.0	1.1	.1					112.2	6.2

TOTAL NUMBER OF OBSERVATIONS

692



1  
2

U.S. AIR FORCE  
 FEDERAL CLIMATOLOGY BRANCH  
 AFMTCAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TYNDALL AFB FL YEARS: 77-81 ALL MONTHS  
 CLASS: ALL WEATHER ALL HOURS  
 CONDITION: \_\_\_\_\_

SPEED KNOTS D.R.	1-3	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	1.3	2.9	.9	.7	.7						3.0	6.3
NNE	1.6	2.7	1.7	.3	.7							5.6	5.7
NE	1.7	2.2	1.6	.2	.7							5.4	5.6
ENE	1.5	2.7	1.9	.3	.7							5.6	5.4
E	1.2	3.4	2.1	.4	.7							6.1	5.4
ESE	1.3	.9	.3	.7	.7							3.5	5.7
SE	1.7	.7	.8	.6	.1	.7		.7				3.7	7.9
SSE	1.4	1.1	1.8	1.5	.2	.7		.7				5.7	8.9
S	1.0	2.3	2.7	.9	.7	.7		.7		.7		6.9	7.1
SSW	1.8	1.9	1.5	.2	.7	.7		.7		.7		4.5	5.1
SW	1.0	2.5	1.5	.1	.7	.7		.7		.7		4.5	5.9
WSW	1.2	2.5	2.3	.3	.7	.7		.7		.7		6.2	6.2
W	1.2	2.5	2.3	.7	.1	.7		.7		.7		6.3	5.7
WNW	1.5	1.0	.6	.7	.7	.7		.7		.7		2.3	6.4
NW	1.2	1.7	.7	.4	.7	.7		.7		.7		2.9	6.4
NNW	.7	1.1	1.3	.6	.7	.7		.7		.7		3.7	7.2
VARBL													
CALM												16.5	
	17.5	37.9	66.5	2.0	.6	.1	.0	.0	.0	.0		100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 7879

2

GENERAL CLIMATOLOGY BRANCH  
 DIRECTOR  
 WEATHER SERVICE/MAC

### SURFACE WINDS

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

77-78 STATION LYNDALL AFB FL STATION NUMBER 77-01 YEARS ALL MONTH ALL HOURS 1-24

INSTRUMENT CLASS CIG 100 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

SPEED (KNTS): DIR.	1-3	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	7.1	3.7	1.1	.1							9.5	7.1
NNE	1.2	2.5	2.6	.4	.1							6.9	6.4
NE	1.7	2.5	2.3	.6								7.1	6.5
ENE	1.1	3.1	2.8	.7								7.8	6.5
E	1.4	3.9	3.6	.7	.1							9.7	6.5
ESE	.8	1.8	1.5	.5	.1							4.8	6.6
SE	.7	1.3	1.7	1.4	.3	.1						5.6	9.7
SSE	.7	2.1	3.6	3.1	.5	.7						17.1	9.4
S	.7	1.1	3.6	1.5	.2	.7	.0	.0				9.2	7.9
SSW	.9	1.5	1.7	.3	.7	.7						3.7	6.3
SW	.6	.7	.8	.2	.7	.7						2.4	6.6
WSW	.5	.9	.3	.3	.1	.7						2.7	7.7
W	.7	1.2	1.7	.4	.1							3.3	6.7
WNW	.3	.6	.6	.5	.7	.7						2.7	7.6
NW	.4	.4	.7	.5	.7	.7						1.9	7.9
NNW	.5	1.7	1.2	1.1	.2							4.0	8.7
VARBL													
CALM												9.4	
	17.0	32.1	32.2	17.3	1.7	.3		.0	.0			100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 6145

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100					95.4			96.9		98.3						
0																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  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

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

0  
2  
0  
1

FEDERAL CLIMATOLOGY BRANCH  
WASH DC  
METEOROLOGICAL SERVICE ZMAG

# CEILING VERSUS VISIBILITY

172 INDIANAPOLIS IN

71-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

1.0	45.4	46.7	47.9	49.7	48.9	49.0	49.1	49.2	49.5	49.9	50.1	50.8	50.9	52.2	53.3
19.1	48.5	47.8	51.0	51.9	52.1	52.2	52.3	52.4	52.7	53.2	53.3	54.0	54.1	55.4	56.5
19.1	48.7	50.1	51.3	52.1	52.3	52.4	52.6	52.7	52.9	53.4	53.5	54.2	54.4	55.7	56.8
19.1	48.7	50.1	51.3	52.1	52.3	52.4	52.6	52.7	52.9	53.4	53.5	54.2	54.4	55.7	56.8
19.0	48.7	50.2	51.4	52.2	52.4	52.6	52.7	52.9	53.0	53.5	53.6	54.4	54.5	55.8	56.9
19.9	48.5	50.2	52.1	52.9	53.2	53.3	53.4	53.5	53.8	54.2	54.4	55.1	55.2	56.5	57.6
20.0	51.0	52.4	53.6	54.5	54.7	54.8	55.0	55.1	55.3	55.8	55.9	56.6	56.8	58.1	59.1
21.2	51.0	52.4	53.6	54.5	54.7	54.8	55.0	55.1	55.3	55.8	55.9	56.6	56.8	58.1	59.1
1.3	54.2	55.7	56.9	57.7	57.9	58.1	58.2	58.3	58.7	59.1	59.3	60.1	61.0	62.5	
21.3	54.2	55.7	56.9	57.8	58.3	58.4	58.5	58.7	59.0	59.5	59.6	60.3	60.5	61.8	62.8
21.3	54.8	56.3	57.5	58.4	58.9	59.0	59.1	59.3	59.6	60.1	60.2	60.9	61.1	62.4	63.4
21.3	56.8	58.2	59.5	60.5	60.9	61.1	61.2	61.3	61.6	62.1	62.2	63.0	63.1	64.4	65.5
21.7	58.5	60.0	61.3	62.2	62.7	62.8	63.0	63.1	63.4	63.9	64.0	64.8	64.9	66.2	67.3
22.1	52.7	61.5	62.8	64.0	64.5	64.6	64.8	64.9	65.2	65.7	65.8	66.5	66.7	68.0	69.1
22.5	67.8	62.6	63.9	65.1	65.6	65.7	65.8	65.9	66.3	66.8	66.9	67.6	67.7	69.1	70.1
23.7	61.0	64.9	66.3	67.7	68.3	68.6	68.7	68.8	69.2	69.7	69.8	70.5	70.7	72.0	73.1
23.7	64.8	66.5	68.1	69.5	70.1	70.5	70.6	70.7	71.1	71.6	71.7	72.5	72.6	74.0	75.0
23.8	67.0	69.1	70.7	72.2	72.8	73.4	73.5	73.6	74.0	74.4	74.6	75.4	75.5	76.8	77.9
27.9	67.6	69.7	71.3	72.8	73.4	74.0	74.1	74.2	74.6	75.0	75.1	76.0	76.1	77.4	78.5
24.3	62.8	71.0	72.8	74.2	74.8	75.4	75.5	75.6	76.0	76.5	76.6	77.4	77.5	78.9	79.9
24.7	69.9	72.0	73.8	75.6	76.2	76.9	77.1	77.2	77.5	78.0	78.1	79.0	79.1	80.4	81.5
24.7	70.1	72.3	74.1	76.0	76.6	77.4	77.7	77.8	78.1	78.6	78.7	79.6	79.7	81.0	82.1
24.9	70.3	72.4	74.3	76.2	76.9	77.8	78.0	78.1	78.5	79.0	79.1	79.9	80.0	81.4	82.4
24.9	71.2	73.4	75.3	77.4	78.1	79.0	79.3	79.5	79.8	80.3	80.4	81.2	81.4	82.7	83.8
24.9	71.3	73.6	75.6	77.8	78.5	79.3	79.7	79.8	80.2	80.6	80.8	81.6	81.7	83.0	84.1
24.9	72.3	74.7	76.7	79.5	80.2	81.0	81.5	81.6	82.1	82.6	82.7	83.5	83.6	84.9	86.0
24.9	72.5	75.1	77.5	81.2	82.1	83.0	83.6	83.8	84.2	84.7	84.8	85.7	85.8	87.1	88.2
24.9	72.9	75.6	78.1	82.2	83.0	84.1	84.8	84.9	85.4	85.9	86.0	86.9	87.2	88.3	89.4
24.9	72.9	75.6	78.4	83.3	84.7	86.4	87.2	87.5	88.2	88.6	88.8	89.6	89.7	91.0	92.1
24.9	73.0	75.9	78.6	84.1	85.7	87.5	88.5	89.1	90.3	91.2	91.3	92.5	93.0	95.2	96.3
24.9	73.0	75.9	78.6	84.1	85.7	87.5	88.5	89.1	90.4	91.4	91.5	93.2	93.7	97.0	99.3
24.9	73.0	75.9	78.6	84.1	85.7	87.5	88.5	89.1	90.4	91.4	91.5	93.2	93.7	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF 172-1734-1 JAN 1951

FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

WAZEN TYNDALE AFB FL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1300-0500

43.6	45.8	47.4	48.5	48.6	49.0	49.0	49.1	49.3	49.3	49.5	49.9	50.1	50.8	51.7
46.7	48.9	50.5	51.6	51.9	52.2	52.2	52.3	52.6	52.6	52.7	52.2	53.3	54.2	54.5
47.0	49.1	50.8	51.9	52.1	52.4	52.4	52.6	52.8	52.8	52.9	53.4	53.5	54.2	54.7
47.1	49.2	50.9	52.0	52.2	52.6	52.6	52.7	52.9	52.9	53.0	53.5	53.6	54.4	54.8
48.0	50.2	51.9	52.9	53.2	53.5	53.5	53.6	53.9	53.9	54.0	54.5	54.6	55.3	55.8
48.9	51.0	52.8	53.9	54.1	54.5	54.5	54.6	54.8	54.9	55.0	55.4	55.6	56.3	56.8
49.1	51.3	53.0	54.1	54.4	54.7	54.7	54.8	55.1	55.1	55.2	55.7	55.8	56.5	57.0
51.4	53.5	55.3	56.4	56.6	57.0	57.0	57.1	57.3	57.3	57.5	57.9	58.1	58.8	59.3
52.4	55.1	56.9	57.9	58.2	58.5	58.5	58.7	58.9	58.9	59.0	59.5	59.6	60.3	60.8
53.4	56.0	57.8	58.9	59.1	59.5	59.5	59.6	59.9	59.9	60.0	60.5	60.6	61.3	61.8
54.2	56.8	58.8	59.9	60.1	60.5	60.5	60.6	60.8	60.8	60.9	61.4	61.5	62.2	62.7
55.9	58.5	60.5	61.5	61.8	62.1	62.2	62.4	62.6	62.6	62.7	63.2	63.3	64.0	64.5
57.3	60.0	61.9	63.1	63.3	63.7	63.9	64.0	64.3	64.3	64.4	64.9	65.0	65.7	66.2
58.1	60.7	62.6	63.8	64.0	64.4	64.6	64.8	65.0	65.0	65.1	65.6	65.7	66.4	66.9
60.5	63.3	65.4	66.5	66.8	67.3	67.6	67.7	68.0	68.0	68.1	68.6	68.7	69.4	69.9
61.4	64.3	66.3	67.6	67.9	68.3	68.7	68.8	69.1	69.1	69.2	69.7	69.8	70.5	71.0
63.0	65.9	68.1	69.5	69.8	70.3	70.6	70.7	71.0	71.0	71.1	71.6	71.7	72.4	72.9
63.2	66.1	68.3	69.8	70.0	70.5	70.8	71.0	71.2	71.2	71.3	71.8	71.9	72.6	73.1
64.8	67.9	70.6	72.0	72.3	72.8	73.1	73.2	73.5	73.5	73.6	74.1	74.2	74.9	75.4
66.5	69.7	72.6	74.4	74.7	75.1	75.5	75.7	76.0	76.0	76.1	76.6	76.7	77.4	77.9
67.3	70.3	73.5	75.3	75.5	76.2	76.6	76.8	77.1	77.1	77.2	77.7	77.8	78.5	79.0
67.1	70.5	73.7	75.7	76.0	76.7	77.1	77.3	77.5	77.5	77.7	78.1	78.3	79.0	79.5
67.4	70.7	74.0	76.0	76.2	76.9	77.3	77.7	77.9	77.9	78.0	78.5	78.6	79.3	79.8
68.0	71.4	74.7	76.7	76.9	77.7	78.0	78.4	78.6	78.6	78.7	79.2	79.3	80.0	80.5
69.1	72.8	76.5	78.5	79.1	79.9	80.3	80.6	80.9	80.9	81.0	81.5	81.6	82.3	82.8
70.5	74.9	78.7	81.0	82.0	82.9	83.4	83.8	84.1	84.1	84.2	84.7	84.8	85.5	86.0
70.8	75.7	79.8	82.4	83.6	84.7	85.2	85.5	86.0	86.0	86.1	86.6	86.7	87.5	87.9
71.0	76.0	80.4	83.6	85.1	86.1	86.7	87.5	88.1	88.1	88.2	88.7	88.8	89.5	90.0
71.0	76.1	80.6	83.9	85.4	86.5	87.2	88.1	88.9	89.6	89.7	91.5	92.2	94.4	95.0
71.1	76.2	80.8	84.0	85.5	86.7	87.5	88.3	89.4	90.6	90.7	93.1	93.7	96.4	99.6
71.1	76.2	80.8	84.0	85.5	86.7	87.5	88.3	89.4	90.6	90.7	93.1	93.7	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 837

FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL SERVICE  
WASHINGTON, D. C.

# CEILING VERSUS VISIBILITY

STATION: WASHINGTON, D. C.

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1507-3200

33.2	33.6	39.2	39.5	39.7	39.9	40.0	40.0	40.0	40.1	40.1	40.3	40.7	40.5	41.7
44.1	45.9	47.4	48.0	48.1	48.4	48.5	48.5	48.6	48.7	48.9	48.9	48.9	49.1	49.1
44.4	46.2	47.8	48.4	48.5	48.7	48.9	48.9	49.0	49.1	49.1	49.2	49.2	49.5	49.7
44.9	46.7	48.3	48.9	49.0	49.2	49.3	49.3	49.5	49.5	49.6	49.7	49.7	49.9	50.7
46.5	48.7	49.8	50.4	50.5	50.8	50.9	50.9	51.2	51.1	51.1	51.3	51.3	51.5	51.7
48.6	50.8	52.1	52.7	52.8	53.2	53.3	53.3	53.7	53.4	53.5	53.5	53.6	53.6	54.1
49.7	50.9	52.4	53.0	53.2	53.5	53.6	53.6	53.8	53.8	53.9	53.9	54.2	54.2	54.5
52.7	54.8	56.4	57.0	57.1	57.5	57.6	57.6	57.7	57.8	57.8	57.9	57.9	58.0	58.4
53.4	55.6	57.1	57.7	57.9	58.3	58.4	58.4	58.5	58.7	58.7	58.8	58.8	59.0	59.1
54.1	56.4	57.9	58.5	58.8	59.1	59.3	59.3	59.4	59.5	59.5	59.6	59.6	59.9	60.1
55.2	57.5	59.1	59.7	60.2	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.1	61.1	61.2
55.7	57.9	59.7	60.5	60.7	61.1	61.3	61.3	61.4	61.5	61.5	61.6	61.6	61.9	62.1
56.4	59.0	60.8	61.6	61.9	62.2	62.5	62.5	62.5	62.7	62.7	62.8	62.8	63.1	63.2
57.5	60.1	61.9	62.7	63.0	63.4	63.7	63.8	63.9	64.0	64.0	64.2	64.2	64.4	64.6
59.3	62.1	64.2	65.1	65.4	65.8	66.1	66.2	66.3	66.4	66.4	66.5	66.5	66.8	67.0
60.7	63.8	66.3	67.3	67.5	68.0	68.2	68.3	68.5	68.6	68.6	68.7	68.7	68.9	69.0
62.5	65.6	68.5	69.5	69.9	70.4	70.7	70.8	71.0	71.1	71.1	71.2	71.2	71.4	71.7
62.7	65.8	68.7	69.8	70.1	70.6	71.0	71.1	71.2	71.3	71.3	71.4	71.4	71.7	71.9
64.2	67.7	70.7	71.8	72.3	72.8	73.2	73.4	73.5	73.5	73.6	73.7	73.7	74.0	74.2
65.5	69.8	73.1	74.2	74.7	75.3	75.7	75.9	76.0	76.1	76.1	76.2	76.2	76.5	76.7
67.5	72.2	76.0	77.4	77.9	78.5	79.0	79.2	79.3	79.5	79.5	79.6	79.6	79.8	80.0
69.2	73.5	77.5	79.1	79.6	80.2	80.6	80.9	81.0	81.1	81.1	81.2	81.2	81.5	81.7
68.6	74.7	78.1	79.7	80.2	80.8	81.2	81.5	81.6	81.7	81.7	81.8	81.8	82.1	82.3
69.5	74.9	79.3	81.0	81.5	82.1	82.6	82.8	82.9	83.0	83.0	83.2	83.2	83.4	83.6
70.3	76.0	80.6	82.4	83.0	83.8	84.3	84.6	84.7	84.8	84.8	84.9	84.9	85.2	85.4
71.8	76.7	81.5	83.4	84.2	84.9	85.9	86.1	86.4	86.6	86.6	86.7	86.7	87.0	87.2
71.3	77.5	83.2	85.4	86.7	87.5	88.4	88.8	89.1	89.4	89.4	89.6	89.6	89.8	90.1
71.3	77.8	83.8	86.3	87.6	88.5	89.8	90.4	90.9	91.3	91.5	92.0	92.0	92.4	92.7
71.3	77.8	83.8	86.4	87.7	88.5	90.2	91.0	92.0	93.2	93.4	94.5	94.6	95.3	96.7
71.3	77.8	83.8	86.4	87.7	88.9	90.3	91.0	92.1	93.8	94.0	95.3	95.6	96.7	98.0
71.3	77.8	83.8	86.4	87.7	88.9	90.3	91.2	92.1	93.8	94.2	95.3	95.6	96.7	98.2

TOTAL NUMBER OF OBSERVATIONS 332



FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL SERVICE ZNAD

# CEILING VERSUS VISIBILITY

WALLACE FIELD

73581

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

000-1100

22.1	41.0	41.7	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.5	42.7	42.7	42.7	42.7	42.9	43.0
23.1	43.5	49.3	50.0	50.0	50.2	50.2	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.7	50.9
23.1	43.7	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.7	50.7	50.7	50.7	50.7	50.9	51.0
23.1	49.8	50.7	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.7	51.7	51.7	51.7	51.7	52.0	52.1
24.5	51.3	52.1	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.2	53.2	53.2	53.2	53.2	53.4	53.6
25.0	54.4	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.8	56.8	56.8	56.8	56.8	57.0	57.1
25.3	54.8	56.2	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.6	57.7
25.6	58.2	60.0	60.9	60.9	60.9	60.9	60.9	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.4	61.7
27.0	59.7	61.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	63.2	63.1
27.1	60.2	62.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.7	63.7	63.7	63.7	63.7	64.6	63.7
27.4	61.2	63.0	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	65.0	65.1
27.4	61.4	63.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.4
27.4	61.6	63.7	65.1	65.4	65.4	65.5	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.9	66.1
27.4	63.4	65.7	67.1	67.6	67.6	67.7	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.3	68.4
27.4	65.4	68.1	69.5	70.1	70.1	70.3	70.4	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.8	71.0
27.8	67.1	70.4	71.8	72.6	72.6	72.9	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.4	73.5
27.8	67.9	71.3	72.9	73.7	73.7	74.0	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.6	74.7
28.0	68.7	72.0	73.7	74.6	74.6	74.8	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.4	75.5
28.0	70.7	74.7	76.3	77.2	77.2	77.4	77.7	77.7	77.8	77.9	77.9	77.9	77.9	77.9	78.1	78.3
28.9	72.4	76.8	78.6	79.5	79.5	79.8	80.0	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.5	80.8
29.0	74.2	78.9	81.0	82.1	82.1	82.6	82.9	82.9	83.0	83.2	83.2	83.2	83.2	83.2	83.5	83.6
29.0	74.9	79.8	82.2	83.5	83.5	84.0	84.3	84.3	84.5	84.6	84.6	84.6	84.7	84.7	84.9	85.1
29.0	75.7	80.9	83.5	85.1	85.1	85.5	85.9	85.9	86.1	86.3	86.3	86.3	86.4	86.4	86.6	86.7
29.0	76.3	81.6	84.3	86.3	86.4	86.9	87.3	87.5	87.7	87.8	87.8	87.8	87.9	87.9	88.2	88.7
29.4	77.2	82.7	86.0	88.2	88.4	89.1	89.6	89.7	90.0	90.1	90.1	90.2	90.2	90.2	90.4	90.7
29.7	78.4	84.1	87.7	90.0	90.4	91.4	91.9	92.1	92.4	92.7	92.7	92.7	92.8	92.8	93.1	93.3
29.7	79.0	84.9	88.8	91.3	92.0	93.0	93.7	93.9	94.1	94.5	94.5	94.6	94.6	94.6	94.9	95.1
29.7	79.0	85.1	88.9	91.8	92.5	93.4	94.1	94.6	95.2	95.8	95.8	95.8	96.1	96.2	96.5	96.8
29.7	79.0	85.1	88.9	91.9	92.6	93.5	94.4	95.0	95.6	96.4	96.4	96.4	96.9	97.6	98.2	98.5
29.7	79.0	85.1	88.9	91.9	92.6	93.5	94.4	95.0	95.6	96.4	96.4	96.4	97.1	98.0	98.5	99.6
29.7	79.0	85.1	88.9	91.9	92.6	93.5	94.4	95.0	95.6	96.4	96.4	96.4	97.1	98.0	98.61	100.0

TOTAL NUMBER OF OBSERVATIONS 637



WALLINGFORD METEOROLOGICAL BRANCH  
SERVIC 7/40

# CEILING VERSUS VISIBILITY

73-31

73-31

73-31

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATION

1100-1700

11.4	44.7	45.7	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.7	45.5	45.5	45.7	45.5	45.5	45.5	45.5	45.5
11.1	53.1	57.2	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
10.8	57.5	57.9	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
10.2	57.9	58.4	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
10.4	58.7	59.1	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
10.3	61.8	61.7	61.5	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
10.9	63.7	64.2	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
10.1	64.1	64.5	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	65.0
10.0	66.5	67.4	67.7	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	68.0
10.7	68.8	69.5	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
11.7	70.0	71.3	71.3	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
11.0	72.4	73.7	74.2	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
12.0	73.2	74.4	75.1	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
12.1	74.2	75.6	76.3	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
12.1	74.3	75.7	76.5	76.6	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
12.3	76.7	77.8	78.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
12.3	77.4	79.7	81.0	81.2	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
12.4	78.3	81.4	82.9	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
12.4	81.7	83.8	85.8	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
13.1	83.7	85.9	88.6	89.7	90.2	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
13.7	82.8	86.1	89.1	90.2	90.7	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
13.7	82.9	86.4	89.5	90.7	91.2	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
13.2	84.7	87.5	90.7	91.9	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
13.2	84.7	88.5	91.9	93.2	93.7	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
13.7	84.9	89.0	92.4	94.1	94.6	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
13.2	84.9	89.1	92.5	94.5	95.1	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
13.2	84.9	89.1	92.6	94.7	95.5	96.4	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
13.2	84.9	89.1	92.6	94.7	95.5	96.5	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
13.7	84.9	89.1	92.6	94.7	95.5	96.5	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
13.2	84.9	89.1	92.6	94.7	95.5	96.5	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 177

1  
2  
1  
1  
1

WALLINGFORD BRANCH

WALLINGFORD BRANCH

WALLINGFORD BRANCH

73-81

44

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOUR OBSERVATIONS

10-2-1951

10.4	47.7	49.2	47.8	50.2	50.2	50.2	50.9	50.8	50.8	50.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
10.1	50.1	50.2	50.9	57.5	57.5	57.5	57.8	57.8	57.8	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
10.1	54.3	54.2	56.8	57.5	57.5	57.5	57.8	57.8	57.8	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
10.1	55.3	55.6	57.3	57.9	57.9	57.9	57.9	58.3	58.3	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
10.1	56.7	57.7	58.1	58.7	58.7	58.7	58.7	59.0	59.0	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
10.1	57.7	58.1	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
10.1	58.8	61.2	61.9	60.5	60.5	60.5	62.5	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
10.1	60.0	61.8	60.8	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
10.1	63.6	65.7	65.4	67.0	67.0	67.0	67.0	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
10.1	64.2	65.5	67.4	68.7	68.7	68.7	68.7	68.3	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
10.1	65.4	67.6	65.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
10.1	66.5	69.7	70.6	71.4	71.4	71.4	71.4	71.8	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
10.1	68.7	71.2	70.3	73.1	73.1	73.1	73.1	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
10.1	69.9	71.8	72.1	74.0	74.0	74.0	74.3	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
10.1	69.7	72.9	74.2	75.7	75.7	75.7	75.4	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
10.1	71.3	75.7	76.9	77.8	77.8	77.8	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
10.1	73.5	77.5	79.7	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
10.1	75.4	81.7	82.2	83.4	83.4	83.4	83.3	83.3	83.3	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
10.1	75.5	81.5	82.6	83.8	83.8	83.8	84.1	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
10.1	75.8	81.2	83.3	84.7	84.7	84.7	84.7	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
10.1	77.4	83.3	85.5	87.0	87.3	87.3	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
10.1	78.1	84.1	86.4	88.5	88.9	88.9	88.9	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
10.1	78.1	84.2	86.5	88.9	89.1	89.1	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
10.1	78.3	84.5	86.7	89.1	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
10.1	78.4	85.1	87.6	90.7	90.4	90.4	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
10.1	78.9	85.1	88.6	91.6	91.9	92.0	92.5	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
10.1	79.1	87.7	89.8	93.2	93.7	93.8	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
10.1	79.2	87.5	90.0	94.0	94.5	94.9	95.3	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
10.1	79.6	87.8	90.9	94.7	95.3	95.6	95.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
10.1	79.6	87.8	91.9	94.7	95.3	95.6	96.3	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
10.1	79.6	87.8	90.9	94.7	95.3	95.6	96.3	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9

TOTAL NUMBER OF OBSERVATIONS 1377



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FEDERAL CLIMATOLOGY BRANCH  
WAC  
FAIRFAX SERVICE/MAO

# CEILING VERSUS VISIBILITY

74 RANDALL AFB FL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

44.4	45.7	46.6	47.1	47.2	47.4	47.4	47.5	47.6	47.7	47.7	47.9	47.9	48.3	48.7
51.0	52.4	53.3	53.9	54.2	54.2	54.2	54.3	54.4	54.5	54.5	54.5	54.7	54.8	55.1
51.2	52.5	53.6	54.1	54.2	54.4	54.5	54.5	54.6	54.7	54.8	54.8	55.0	55.2	55.6
51.4	52.9	53.8	54.4	54.5	54.6	54.7	54.7	54.8	54.8	55.0	55.2	55.2	55.6	56.0
52.1	52.7	53.4	54.4	54.9	55.0	55.2	55.3	55.3	55.4	55.5	55.6	55.6	55.8	56.2
53.4	54.8	55.8	56.3	56.4	56.6	56.7	56.7	56.8	56.9	56.9	57.2	57.2	57.6	57.9
54.2	55.4	57.1	58.0	58.6	58.7	58.9	59.0	59.0	59.1	59.2	59.2	59.5	59.8	60.2
55.8	57.4	58.4	59.0	59.1	59.3	59.3	59.4	59.5	59.6	59.6	59.8	59.8	60.2	60.6
58.7	60.6	61.6	62.2	62.3	62.5	62.6	62.6	62.7	62.8	62.8	63.1	63.1	63.5	63.8
59.6	61.6	62.7	63.2	63.4	63.6	63.7	63.7	63.8	63.9	64.0	64.2	64.2	64.6	64.9
63.5	62.8	63.7	64.3	64.5	64.7	64.8	64.8	64.9	65.0	65.1	65.3	65.3	65.7	66.0
62.1	64.2	65.4	66.1	66.2	66.4	66.5	66.5	66.7	66.8	66.8	67.0	67.1	67.4	67.8
63.2	65.4	66.6	67.2	67.4	67.6	67.7	67.8	67.9	68.0	68.0	68.2	68.3	68.6	69.0
64.1	66.4	67.8	68.6	68.7	69.2	69.1	69.1	69.3	69.4	69.4	69.6	69.7	70.0	70.4
65.1	67.5	68.8	69.6	69.6	70.0	70.2	70.3	70.4	70.5	70.5	70.7	70.7	71.1	71.5
67.7	69.7	71.2	72.1	72.3	72.6	72.7	72.8	72.9	73.2	73.2	73.3	73.3	73.7	74.1
68.5	71.5	73.2	74.2	74.4	74.7	74.9	74.9	75.0	75.1	75.2	75.4	75.4	75.8	76.2
70.4	73.5	75.4	76.4	76.6	77.2	77.2	77.3	77.5	77.5	77.7	77.7	77.8	78.1	78.5
70.7	73.9	75.8	76.8	77.0	77.4	77.6	77.6	77.7	77.9	77.9	78.1	78.2	78.5	78.9
72.2	75.6	77.7	78.9	79.1	79.5	79.7	79.7	79.9	80.0	80.0	80.2	80.3	80.5	81.0
73.5	77.2	79.5	81.0	81.2	81.7	81.9	82.0	82.1	82.2	82.3	82.5	82.6	82.9	83.3
74.4	78.3	80.8	82.5	82.6	83.3	83.6	83.7	83.8	83.9	83.9	84.2	84.3	84.6	85.0
74.7	78.8	81.5	83.3	83.6	84.1	84.4	84.5	84.6	84.7	84.8	85.0	85.1	85.4	85.8
75.2	79.4	82.1	84.1	84.3	85.0	85.3	85.4	85.5	85.6	85.6	85.9	86.0	86.4	86.7
75.7	80.1	83.0	85.1	85.4	86.1	86.4	86.5	86.6	86.8	86.8	87.1	87.2	87.5	87.9
76.4	81.1	84.2	86.6	87.0	87.7	88.1	88.2	88.4	88.5	88.5	88.8	88.9	89.2	89.6
77.1	82.1	85.5	89.2	88.7	89.6	90.1	90.3	90.5	90.7	90.7	91.0	91.1	91.4	91.8
77.3	82.6	86.1	89.2	89.8	90.8	91.4	91.6	91.9	92.1	92.1	92.4	92.5	92.9	93.3
77.4	82.8	86.5	89.9	90.8	92.0	92.8	93.7	93.6	94.0	94.0	94.5	94.6	95.1	95.5
77.4	82.8	86.6	90.1	91.0	92.2	93.3	93.8	94.4	95.0	95.1	95.9	96.0	97.0	97.7
77.4	82.8	86.6	90.1	91.1	92.3	93.3	93.8	94.5	95.0	95.3	96.4	96.7	97.8	99.7
77.4	82.8	86.6	90.1	91.1	92.3	93.3	93.8	94.5	95.0	95.3	96.4	96.7	97.8	99.7

TOTAL NUMBER OF OBSERVATIONS 4656

WALLA WALLA METEOROLOGICAL BRANCH  
WALLA WALLA, WASH. 99055

# CEILING VERSUS VISIBILITY

WALLA WALLA METEOROLOGICAL BRANCH

73-81

884

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

5000-0000

51.0	51.0	52.4	53.8	54.7	55.1	55.5	55.6	55.8	55.9	55.9	55.9	57.0	56.4	56.4	57.5
52.4	53.2	55.4	56.4	57.5	57.9	58.3	58.4	58.5	58.7	58.8	58.9	59.1	59.2	59.3	59.4
53.4	53.5	55.4	56.4	57.5	57.9	58.3	58.4	58.5	58.7	58.8	58.9	59.1	59.2	59.3	59.4
54.4	53.5	55.6	56.7	57.7	58.1	58.5	58.7	58.8	58.9	59.1	59.1	59.3	59.6	59.5	59.6
54.7	54.1	55.9	57.0	58.0	58.4	58.8	58.9	59.1	59.2	59.3	59.3	59.6	59.8	59.8	60.0
55.2	55.6	57.5	58.5	59.7	60.1	60.5	60.6	60.8	60.9	61.0	61.1	61.3	61.5	61.5	62.5
55.9	54.7	61.5	61.5	62.9	63.3	63.6	63.8	63.9	64.0	64.0	64.2	64.4	64.7	64.7	65.7
56.4	56.2	61.0	62.1	63.4	63.8	64.2	64.3	64.4	64.6	64.7	64.7	65.0	65.0	65.2	66.2
56.7	60.3	62.7	63.9	65.2	65.6	66.0	66.1	66.3	66.4	66.5	66.5	66.8	67.1	67.1	68.1
57.1	61.7	63.4	64.6	65.9	66.3	66.7	66.8	66.9	67.1	67.2	67.2	67.5	67.7	67.7	68.5
57.5	61.9	64.0	65.2	66.7	67.1	67.5	67.6	67.7	67.8	68.0	68.0	68.2	68.5	68.5	69.6
58.3	62.3	64.4	65.7	67.3	67.7	68.1	68.2	68.4	68.5	68.6	68.6	68.9	69.2	69.2	70.2
58.5	63.4	65.5	66.8	68.4	68.8	69.2	69.3	69.4	69.6	69.7	69.7	69.9	70.2	70.2	71.2
58.7	65.2	67.7	69.2	70.7	71.1	71.5	71.7	71.8	71.9	72.0	72.0	72.3	72.6	72.6	73.6
59.1	66.7	69.6	70.6	72.3	72.7	73.1	73.2	73.4	73.5	73.5	73.5	73.9	74.1	74.1	75.2
59.3	68.1	71.3	73.9	75.9	75.2	76.6	76.8	76.9	77.0	77.2	77.2	77.4	77.7	77.7	78.7
59.6	69.6	72.8	75.5	77.4	77.8	78.2	78.3	78.5	78.6	78.7	78.7	79.0	79.2	79.2	80.3
59.8	71.2	73.6	76.2	78.3	78.7	79.1	79.3	79.4	79.5	79.7	79.7	79.9	80.2	80.2	81.2
60.0	71.2	73.6	76.5	78.6	79.0	79.4	79.5	79.7	79.8	79.9	79.9	80.2	80.4	80.4	81.5
60.2	71.0	74.7	77.8	80.1	80.6	81.0	81.1	81.2	81.4	81.5	81.5	81.8	82.0	82.0	83.1
60.4	71.7	75.6	78.9	81.1	81.6	82.0	82.2	82.3	82.4	82.5	82.5	82.8	83.1	83.1	84.1
60.6	71.9	76.4	80.1	82.5	83.5	83.9	84.0	84.1	84.3	84.4	84.4	84.6	84.9	84.9	86.0
60.8	72.0	76.6	80.3	83.1	84.0	84.4	84.5	84.6	84.8	84.9	84.9	85.2	85.4	85.4	86.5
61.0	72.5	76.6	80.3	83.1	84.0	84.4	84.5	84.6	84.8	84.9	84.9	85.2	85.4	85.4	86.5
61.2	72.6	77.7	81.1	84.3	85.3	85.7	85.8	86.0	86.1	86.2	86.2	86.5	86.7	86.7	87.8
61.4	72.7	77.4	81.2	84.4	85.6	86.0	86.1	86.4	86.5	86.6	86.6	86.9	87.1	87.1	88.2
61.6	72.8	77.7	82.0	85.6	86.7	87.1	87.4	87.8	88.1	88.3	88.3	88.6	88.8	88.8	89.9
61.8	73.2	78.2	82.7	86.6	87.9	88.6	89.0	89.4	89.6	89.9	89.9	90.2	90.4	90.4	91.6
62.0	73.4	78.3	82.8	87.1	88.7	89.6	90.3	90.9	91.5	92.3	92.3	92.5	92.8	92.9	94.0
62.2	73.4	78.3	82.8	87.1	88.7	89.6	90.7	91.6	92.5	93.7	93.7	94.4	94.8	95.4	96.5
62.4	73.4	78.3	82.8	87.1	88.7	89.6	90.7	91.6	92.5	93.8	93.8	95.0	95.4	96.7	97.8
62.6	73.4	78.3	82.8	87.1	88.7	89.6	90.7	91.6	92.5	93.8	93.8	95.0	95.4	96.7	97.8

TOTAL NUMBER OF OBSERVATIONS 762

WALLA WALLA METEOROLOGICAL BRANCH

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WALLINGFORD BRANCH  
SERVICED 7/30  
WALLINGFORD BRANCH

# CEILING VERSUS VISIBILITY

73-31  
PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

525  
0115-5510

55.5	54.1	52.8	51.7	52.1	52.4	53.4	53.7	53.7	53.9	54.2	54.3	54.7	54.9	55.7	56.4
57.2	52.6	54.2	55.4	55.8	56.2	57.1	57.3	57.3	57.5	57.9	58.0	58.5	58.7	59.3	60.2
57.5	52.6	54.2	55.4	55.8	56.0	57.1	57.3	57.3	57.6	57.9	58.0	58.5	58.7	59.3	60.2
57.7	52.9	54.5	55.6	56.7	56.3	57.3	57.6	57.6	57.9	58.1	58.3	58.8	58.9	59.6	60.5
57.7	57.7	54.5	55.8	56.2	56.4	57.5	57.7	57.7	58.0	58.3	58.4	58.9	59.1	59.7	60.6
58.1	54.5	55.0	57.2	57.9	58.1	59.2	59.4	59.4	59.7	60.0	60.1	60.5	60.8	61.4	62.3
58.7	57.1	58.8	60.1	60.8	61.0	62.1	62.3	62.3	62.6	62.9	63.1	63.5	63.5	64.3	65.2
58.9	57.7	59.6	60.6	61.4	61.7	62.7	63.0	63.2	63.3	63.5	63.6	64.2	64.3	65.0	65.9
58.9	59.2	61.2	62.3	63.0	63.3	64.3	64.6	64.6	64.8	65.1	65.2	65.7	65.9	66.5	67.5
58.9	59.3	61.3	62.5	63.1	63.4	64.4	64.7	64.7	65.0	65.2	65.4	65.9	66.0	66.7	67.6
58.7	58.7	61.7	62.9	63.5	63.8	64.8	65.1	65.1	65.4	65.6	65.7	66.3	66.4	67.1	68.0
59.3	61.4	62.5	63.6	64.3	64.6	65.6	65.9	65.9	66.1	66.4	66.5	67.1	67.2	67.8	68.8
60.7	62.1	64.2	65.4	66.0	66.4	67.5	67.7	67.7	68.0	68.0	68.4	68.9	69.0	69.7	70.6
60.4	63.2	66.3	67.6	68.2	68.8	69.8	70.1	70.1	70.3	70.6	70.7	71.3	71.4	72.0	73.0
61.1	65.2	67.6	69.0	69.8	70.3	71.4	71.7	71.7	71.9	72.0	72.3	72.8	73.0	73.6	74.5
61.4	66.2	69.6	71.1	72.0	72.7	73.8	74.0	74.0	74.3	74.5	74.7	75.2	75.3	76.0	76.9
62.7	68.8	71.5	73.2	74.1	74.9	76.0	76.2	76.2	76.5	76.8	76.9	77.4	77.6	78.2	79.1
62.4	68.9	72.0	74.7	75.6	76.4	77.6	77.8	77.8	78.1	78.3	78.5	79.1	79.1	79.8	80.7
62.4	70.2	73.1	75.1	76.1	76.9	78.1	78.3	78.3	78.5	78.9	79.0	79.5	79.7	80.3	81.2
62.4	71.9	74.0	76.1	77.4	78.2	79.4	79.7	79.7	79.9	80.2	80.3	80.8	81.0	81.6	82.5
62.4	71.8	75.2	77.6	79.0	79.8	81.1	81.4	81.4	81.6	81.9	82.0	82.5	82.7	83.3	84.2
62.4	72.6	76.5	79.0	80.7	81.5	82.8	83.1	83.1	83.3	83.6	83.7	84.3	84.4	85.0	86.0
62.4	73.1	77.2	79.7	81.4	82.2	83.5	83.7	83.9	84.3	84.5	84.6	85.2	85.3	86.0	86.9
62.4	73.4	77.4	79.9	81.8	82.5	83.9	84.1	84.3	84.6	84.9	85.0	85.6	85.7	86.4	87.3
62.4	73.5	77.8	80.4	82.4	83.2	84.5	84.8	84.9	85.3	85.6	85.7	86.2	86.4	87.0	87.9
62.4	73.6	78.1	80.8	82.9	83.7	85.0	85.3	85.4	85.8	86.1	86.2	86.7	86.8	87.5	88.5
62.4	73.6	78.2	81.1	83.7	84.5	86.4	86.6	86.7	87.1	87.4	87.5	88.1	88.2	88.8	89.8
62.4	73.6	78.0	81.2	84.0	84.9	87.3	87.7	87.9	88.3	88.7	88.8	89.4	89.5	90.2	91.1
62.4	73.6	78.3	81.5	84.8	85.7	88.2	88.7	89.1	89.5	90.4	90.6	91.1	91.2	91.9	92.8
62.4	73.6	78.3	81.5	84.8	85.8	88.3	88.8	89.2	89.8	90.9	91.1	92.1	92.7	93.8	95.4
62.4	73.6	78.3	81.5	84.8	85.8	88.3	88.8	89.2	89.8	90.9	91.1	92.4	93.0	95.1	99.1
62.4	73.6	78.3	81.5	84.8	85.8	88.7	88.8	89.2	90.8	90.9	91.1	92.4	93.0	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 762



WORLD WEATHER SERVICE  
 METEOROLOGICAL BRANCH  
 METEOROLOGICAL SERVICE  
 METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81  
 73-81

73-81

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1600-0800

21.7	44.9	47.7	47.4	48.0	48.2	48.8	49.0	49.1	49.5	49.5	49.5	49.6	49.9	50.3	50.7
22.7	45.6	51.0	51.3	52.4	52.6	53.4	53.5	53.7	54.1	54.2	54.2	54.3	54.6	55.0	55.5
22.7	45.6	51.0	51.3	52.4	52.6	53.4	53.5	53.7	54.1	54.2	54.2	54.3	54.6	55.0	55.5
23.0	51.1	57.5	52.9	53.9	54.2	55.0	55.1	55.2	55.6	55.8	55.8	55.9	56.2	56.6	57.1
24.4	52.7	54.5	54.9	55.9	56.2	57.0	57.1	57.2	57.6	57.7	57.7	57.9	58.1	58.5	59.1
25.0	55.4	59.1	59.6	61.6	61.0	61.9	62.1	62.2	62.6	62.9	62.9	63.0	63.3	63.6	64.2
25.9	57.0	59.6	60.2	61.3	61.7	62.6	62.7	62.9	63.3	63.5	63.5	63.6	63.9	64.3	64.8
26.0	57.2	62.9	63.5	64.6	65.0	66.0	66.1	66.3	66.7	66.9	66.9	67.1	67.3	67.7	68.2
27.3	61.4	64.3	65.1	66.1	66.5	67.6	67.7	67.8	68.2	68.5	68.5	68.6	68.7	69.3	69.8
27.4	61.5	64.6	65.4	66.4	66.8	67.8	68.0	68.1	68.5	68.8	68.8	68.9	69.2	69.6	70.1
27.6	62.6	65.9	66.7	67.8	68.2	69.3	69.4	69.6	69.9	70.2	70.2	70.3	70.6	71.0	71.5
27.7	64.3	67.7	68.6	69.8	70.2	71.3	71.4	71.5	71.9	72.2	72.2	72.3	72.6	73.0	73.5
28.2	65.5	68.9	69.8	71.0	71.4	72.4	72.6	72.7	73.1	73.4	73.4	73.5	73.8	74.1	74.7
28.6	66.5	70.7	71.1	72.3	72.8	73.9	74.0	74.1	74.5	74.8	74.8	74.9	75.2	75.6	76.1
29.1	67.6	71.4	72.4	73.6	74.1	75.3	75.5	75.7	76.1	76.4	76.4	76.5	76.8	77.2	77.7
29.5	69.6	73.4	74.4	75.9	76.4	77.6	77.7	78.0	78.3	78.5	78.6	78.7	79.0	79.4	79.9
29.8	71.7	74.7	75.7	77.3	78.0	79.3	79.5	79.8	80.2	80.4	80.4	80.6	80.8	81.2	81.8
29.8	70.7	74.7	75.7	77.3	78.0	79.3	79.5	79.8	80.2	80.4	80.4	80.6	80.8	81.2	81.8
29.9	71.5	75.9	77.0	78.9	79.7	81.1	81.4	81.6	82.2	82.5	82.5	82.7	82.9	83.3	83.9
29.9	72.0	76.6	77.8	79.7	80.6	82.0	82.3	82.7	83.1	83.5	83.5	83.6	83.9	84.3	84.9
29.9	72.4	77.0	78.2	80.1	81.0	82.4	82.7	83.1	83.5	83.9	83.9	84.0	84.3	84.6	85.2
29.9	73.4	78.1	79.3	81.1	82.0	83.5	83.7	84.1	84.6	85.0	85.0	85.2	85.4	85.8	86.4
29.9	73.6	78.5	79.7	81.8	82.7	84.3	84.8	85.2	85.7	86.1	86.1	86.2	86.5	86.9	87.4
29.9	73.8	78.9	80.4	82.8	83.7	85.4	86.1	86.5	87.0	87.4	87.4	87.5	87.8	88.2	88.7
30.1	74.1	79.4	81.2	84.0	84.9	86.6	87.4	88.1	88.6	89.1	89.1	89.2	89.5	89.9	90.4
30.1	74.0	79.4	81.6	84.9	86.0	87.9	88.7	89.4	90.0	90.6	90.6	90.7	90.9	91.3	91.9
30.1	74.0	79.5	81.8	85.4	86.5	88.6	89.8	90.7	91.3	92.0	92.0	92.1	92.4	92.8	93.3
30.1	74.7	79.7	82.0	85.8	87.1	89.2	90.7	91.9	92.7	93.3	93.3	93.4	93.7	94.1	94.8
30.1	74.1	79.7	82.0	85.8	87.1	89.2	90.9	92.3	93.4	94.5	94.5	94.8	95.0	95.5	96.7
30.1	74.0	79.7	82.0	85.8	87.1	89.2	90.9	92.3	93.4	94.5	94.5	95.0	95.3	96.9	99.7
30.1	74.0	79.7	82.0	85.8	87.1	89.2	90.9	92.3	93.4	94.5	94.5	95.0	95.3	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 76

FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1970 TYNDALE AFB FL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1950-1970

29.8	53.1	54.2	54.6	54.9	55.0	55.1	55.1	55.1	55.1	55.2	55.4	55.4	55.4	55.4	55.5
31.9	59.7	61.2	61.5	62.1	62.2	62.3	62.3	62.3	62.3	62.5	62.6	62.6	62.6	62.6	62.7
32.4	61.5	62.1	62.6	63.1	63.3	63.4	63.4	63.4	63.4	63.5	63.6	63.6	63.6	63.6	63.8
32.7	61.8	62.3	62.9	63.4	63.5	63.6	63.6	63.6	63.6	63.8	63.9	63.9	63.9	63.9	64.2
32.9	61.3	62.9	63.4	63.9	64.0	64.2	64.2	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.6
33.0	62.9	64.7	65.5	66.0	66.1	66.3	66.3	66.3	66.3	66.4	66.5	66.5	66.5	66.5	66.7
34.0	66.7	68.8	69.6	70.1	70.2	70.3	70.3	70.3	70.3	70.5	70.6	70.6	70.6	70.6	70.7
34.5	67.2	69.7	70.5	71.0	71.1	71.3	71.3	71.3	71.3	71.4	71.5	71.5	71.5	71.5	71.7
35.7	69.4	72.4	73.2	73.9	74.0	74.3	74.3	74.3	74.3	74.4	74.5	74.5	74.5	74.5	74.7
36.8	70.6	73.5	74.4	75.3	75.5	75.7	75.7	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.1
36.9	71.4	74.4	75.2	76.1	76.2	76.5	76.5	76.5	76.5	76.6	76.8	76.8	76.8	76.8	76.9
36.8	72.2	75.5	76.2	77.2	77.3	77.6	77.6	77.6	77.6	77.7	77.8	77.8	77.8	77.8	78.0
37.0	72.7	76.0	76.8	77.7	77.8	78.1	78.1	78.1	78.1	78.2	78.3	78.3	78.3	78.3	78.5
37.1	74.0	77.4	78.3	79.3	79.4	79.7	79.7	79.7	79.7	79.8	79.9	79.9	79.9	79.9	80.1
37.1	74.4	77.8	78.7	79.9	80.1	80.3	80.3	80.3	80.3	80.4	80.6	80.6	80.6	80.6	80.7
37.3	74.9	78.6	79.7	81.1	81.2	81.5	81.5	81.5	81.5	81.6	81.8	81.8	81.8	81.8	81.9
37.3	75.3	79.0	80.2	81.6	81.8	82.2	82.2	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.5
37.4	76.2	80.1	81.5	83.1	83.2	83.6	83.7	83.7	83.7	83.9	84.0	84.0	84.0	84.0	84.1
37.4	76.5	80.3	82.0	83.6	83.7	84.1	84.3	84.3	84.3	84.4	84.5	84.5	84.5	84.5	84.6
37.5	77.7	81.6	83.9	85.6	85.7	86.1	86.2	86.2	86.2	86.4	86.5	86.5	86.5	86.5	86.6
37.7	78.7	82.7	84.9	86.6	86.7	87.1	87.4	87.4	87.4	87.5	87.7	87.7	87.7	87.7	87.9
37.7	79.5	83.7	86.1	87.8	87.9	88.3	88.7	88.7	88.7	88.8	89.0	89.0	89.0	89.0	89.1
37.8	79.9	84.1	86.5	88.2	88.3	88.7	89.1	89.1	89.1	89.2	89.4	89.4	89.4	89.4	89.5
37.9	80.4	84.9	87.5	89.4	89.5	89.9	90.3	90.4	90.4	90.6	90.7	90.7	90.7	90.7	90.8
37.9	80.6	85.3	88.1	90.2	90.3	90.7	91.1	91.2	91.2	91.3	91.5	91.5	91.5	91.5	91.6
38.1	80.8	85.7	88.5	90.9	91.2	91.7	92.5	92.8	92.8	93.2	93.3	93.3	93.3	93.3	93.4
38.1	80.8	86.0	88.8	91.6	92.0	92.5	93.7	94.0	94.1	94.5	94.6	94.6	94.6	94.6	94.8
38.1	80.8	86.1	89.1	92.4	92.8	93.6	95.1	95.2	95.5	96.9	97.0	97.0	97.0	97.0	97.1
38.1	81.1	86.4	89.4	92.8	93.2	94.1	95.7	96.3	97.1	97.6	97.8	97.9	97.9	98.0	98.2
38.1	81.1	86.4	89.4	92.8	93.2	94.1	95.7	96.3	97.1	97.9	98.0	98.7	98.7	99.1	99.3
38.1	81.1	86.4	89.4	92.8	93.2	94.1	95.7	96.3	97.1	97.9	98.0	99.0	99.0	99.6	100.0
38.1	81.1	86.4	89.4	92.8	93.2	94.1	95.7	96.3	97.1	97.9	98.0	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 762

1  
2

U.S. AIR FORCE METEOROLOGICAL BRANCH  
AFSTAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81 TENDALL AFB FL

73-81

FLA

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

34.7	54.9	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
37.3	63.5	64.2	64.2	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
39.7	64.6	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
39.7	65.5	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
39.6	67.2	68.2	68.5	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
41.2	71.5	72.8	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
41.2	72.2	73.5	73.8	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
42.1	75.6	77.3	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
42.5	76.6	78.5	78.9	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
42.5	77.0	78.9	79.3	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
42.5	77.8	79.7	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
42.7	78.9	80.7	81.1	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
42.7	80.4	82.3	82.7	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
42.7	80.7	82.7	83.2	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
42.8	82.3	84.3	84.8	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
42.7	82.9	84.9	85.4	85.6	86.0	86.1	86.2	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4
42.8	83.7	85.8	86.4	86.5	86.9	87.0	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4
42.9	84.3	86.4	86.9	87.0	87.4	87.5	87.7	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9
42.9	84.8	87.1	87.9	88.1	88.5	88.6	88.7	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0
42.9	85.2	88.1	88.8	89.1	89.5	89.6	89.8	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
42.9	86.2	89.5	90.8	91.1	91.5	91.6	91.9	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3
42.8	86.5	89.8	91.1	91.3	91.7	91.9	92.1	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
42.8	86.6	89.9	91.2	91.6	92.0	92.5	92.8	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2
42.9	86.7	90.4	92.0	92.7	93.7	93.6	93.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
42.9	86.9	90.8	92.5	93.2	93.7	94.5	95.0	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
42.9	86.9	90.8	92.5	93.2	93.8	94.8	95.8	95.9	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6
42.9	86.9	90.9	93.0	94.1	94.9	95.9	97.0	97.2	97.6	97.9	97.9	98.0	98.0	98.0	98.0	98.0
42.9	86.9	90.9	93.0	94.1	95.0	96.1	97.8	98.4	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5
42.9	86.9	90.9	93.0	94.1	95.0	96.1	97.8	98.4	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7
42.9	86.9	90.9	93.0	94.1	95.0	96.1	97.8	98.4	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 762





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

# CEILING VERSUS VISIBILITY

1975 TYNDALE AFB, FLORIDA

73-81

555

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

11-2-2000

34.7	54.7	57.1	58.8	59.4	59.4	59.6	59.7	59.7	60.0	60.2	60.4	61.4	60.4	60.4	61.6
34.8	57.6	60.0	61.8	62.5	62.6	62.7	63.0	63.0	63.3	63.5	63.6	63.6	63.6	63.6	63.9
34.8	57.6	60.0	61.8	62.5	62.6	62.7	63.0	63.0	63.3	63.5	63.6	63.6	63.6	63.6	63.9
34.8	57.9	60.2	62.1	62.7	62.9	63.0	63.3	63.3	63.5	63.8	63.9	63.9	63.9	63.9	64.2
34.7	58.1	60.5	62.3	63.0	63.1	63.3	63.5	63.5	63.8	64.0	64.2	64.2	64.2	64.2	64.4
34.7	59.3	61.7	63.6	64.3	64.4	64.6	64.6	64.8	65.1	65.4	65.5	65.5	65.5	65.5	65.7
34.4	62.5	64.8	66.8	67.6	67.7	67.8	68.1	68.1	68.4	68.6	68.8	68.8	68.8	68.8	69.0
34.5	62.2	65.2	67.2	69.0	69.1	69.2	69.5	69.5	69.8	69.9	69.2	69.2	69.2	69.2	69.4
34.7	65.0	67.5	69.6	71.3	71.5	70.6	70.9	70.9	71.1	71.4	71.5	71.5	71.5	71.5	71.9
34.0	65.6	68.2	70.3	71.3	71.4	71.5	71.8	71.8	72.1	72.3	72.4	72.4	72.4	72.4	72.7
34.0	66.1	68.9	70.9	71.8	71.9	72.0	72.3	72.3	72.6	72.8	73.0	73.0	73.0	73.0	73.0
34.0	66.8	69.4	71.5	72.4	72.6	72.7	73.0	73.0	73.2	73.5	73.6	73.6	73.6	73.6	73.9
34.0	67.5	70.1	72.2	73.2	73.4	73.5	73.8	73.8	74.0	74.3	74.4	74.4	74.4	74.4	74.7
34.3	69.2	71.8	74.0	75.1	75.2	75.3	75.6	75.6	75.9	76.1	76.2	76.2	76.2	76.2	76.5
34.4	70.5	73.2	75.6	76.6	76.8	76.9	77.2	77.2	77.4	77.7	77.8	77.8	77.8	77.8	78.1
34.2	73.0	75.9	78.2	79.4	79.5	79.7	79.9	79.9	80.2	80.4	80.6	80.6	80.7	80.7	81.0
34.2	74.3	77.3	79.7	80.8	81.0	81.1	81.4	81.4	81.6	81.9	82.0	82.0	82.2	82.2	82.4
34.2	74.9	78.0	80.6	81.9	82.0	82.2	82.4	82.4	82.7	82.9	83.1	83.1	83.2	83.2	83.5
34.2	75.1	78.1	80.7	82.0	82.2	82.3	82.5	82.5	82.8	83.1	83.2	83.2	83.2	83.3	83.6
34.2	75.3	78.0	81.9	83.3	83.5	83.6	83.9	83.9	84.1	84.4	84.5	84.5	84.5	84.6	84.9
34.2	75.7	79.7	82.9	84.5	84.6	84.8	85.0	85.0	85.3	85.6	85.7	85.7	85.8	85.8	86.1
34.2	76.1	80.1	83.9	85.7	85.8	86.0	86.2	86.2	86.5	86.7	86.9	86.9	87.0	87.0	87.3
35.0	76.2	80.2	84.3	86.5	86.7	86.9	87.1	87.1	87.4	87.7	87.8	87.8	87.9	87.9	88.2
35.0	76.2	80.2	84.3	86.6	86.9	87.0	87.3	87.3	87.5	87.8	87.9	87.9	88.1	88.1	88.3
35.2	76.8	80.8	85.0	87.8	88.2	88.3	88.6	88.6	88.8	89.1	89.2	89.2	89.4	89.4	89.6
35.2	77.0	81.1	85.4	88.6	89.0	89.1	89.4	89.4	89.6	89.9	90.0	90.0	90.2	90.2	90.4
35.2	77.0	81.2	86.0	89.2	89.9	90.4	90.7	90.7	90.9	91.2	91.3	91.3	91.5	91.5	91.7
35.2	77.0	81.2	86.1	89.8	90.8	91.6	92.1	92.7	92.9	93.2	93.3	93.4	93.6	93.7	94.0
35.2	77.0	81.4	86.2	90.2	91.2	92.5	93.4	94.1	94.4	94.6	94.8	94.9	95.0	95.1	95.5
35.2	77.0	81.4	86.2	90.4	91.5	92.8	93.8	94.8	95.3	96.1	96.2	96.7	97.0	97.5	98.2
35.2	77.0	81.4	86.2	90.4	91.5	92.8	93.8	94.8	95.3	96.1	96.2	97.2	97.5	98.6	99.9
35.2	77.0	81.4	86.2	90.4	91.5	92.8	93.8	94.8	95.3	96.1	96.2	97.2	97.5	98.6	99.9

TOTAL NUMBER OF OBSERVATIONS 762

2  
 FEDERAL CLIMATOLOGY BRANCH  
 WFO  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

WFO TYNALL AFB FL

72-61

565

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

29.0	52.2	57.7	54.4	54.9	55.2	55.4	55.5	55.6	55.7	55.9	55.9	56.0	56.1	56.2	56.3
31.0	57.3	58.9	59.7	60.3	60.5	60.9	61.0	61.1	61.2	61.3	61.3	61.5	61.5	61.7	62.0
32.0	57.6	59.7	60.1	60.7	60.9	61.2	61.3	61.4	61.5	61.7	61.7	61.8	61.9	62.0	62.4
32.1	57.7	59.6	60.3	60.9	61.2	61.5	61.6	61.6	61.8	61.9	62.0	62.1	62.2	62.3	62.7
32.5	55.5	61.2	61.0	61.6	61.9	62.2	62.3	62.3	62.5	62.6	62.6	62.8	62.8	63.0	63.7
33.1	61.2	62.7	62.6	63.5	63.8	64.1	64.2	64.2	64.4	64.5	64.6	64.7	64.7	64.9	65.0
34.0	63.6	65.8	66.4	67.1	67.4	67.7	67.8	67.8	68.0	68.2	68.2	68.3	68.4	68.5	68.9
34.3	64.1	66.1	67.0	67.7	68.1	68.3	68.4	68.4	68.6	68.7	68.8	68.9	69.0	69.1	69.5
35.0	66.5	68.7	69.7	70.4	70.7	71.0	71.1	71.1	71.3	71.5	71.5	71.5	71.7	71.8	72.0
35.3	67.4	69.7	70.8	71.5	71.8	72.1	72.2	72.3	72.4	72.5	72.6	72.6	72.8	73.0	73.7
35.5	67.8	70.1	71.2	71.9	72.2	72.6	72.7	72.7	72.9	73.0	73.1	73.2	73.3	73.4	73.7
35.6	68.6	71.0	72.1	72.9	73.2	73.5	73.6	73.7	73.8	74.0	74.0	74.1	74.2	74.3	74.7
35.7	69.5	72.0	73.1	73.9	74.2	74.5	74.6	74.7	74.8	75.0	75.0	75.1	75.2	75.4	75.7
36.1	71.1	73.7	74.9	75.8	76.1	76.4	76.5	76.6	76.7	76.8	76.9	77.1	77.1	77.3	77.6
36.4	72.0	74.8	76.0	77.0	77.3	77.7	77.8	77.8	78.0	78.1	78.2	78.3	78.4	78.5	78.9
36.7	73.5	76.5	77.9	79.0	79.3	79.7	79.8	79.9	80.0	80.2	80.2	80.3	80.4	80.5	80.9
36.8	74.7	77.8	79.3	80.4	80.8	81.3	81.4	81.4	81.6	81.8	81.8	81.9	82.0	82.2	82.5
37.0	75.7	78.9	80.6	81.9	82.3	82.8	82.9	83.0	83.2	83.3	83.4	83.5	83.6	83.7	84.1
37.0	75.8	79.1	80.9	82.2	82.6	83.1	83.2	83.3	83.4	83.6	83.7	83.8	83.9	84.0	84.4
37.0	76.6	80.3	82.4	83.7	84.2	84.7	84.9	84.9	85.1	85.3	85.3	85.4	85.5	85.7	86.0
37.0	77.3	81.3	83.5	84.9	85.4	85.9	86.1	86.2	86.4	86.6	86.6	86.7	86.8	87.0	87.3
37.0	77.8	82.1	84.5	86.1	86.6	87.0	87.4	87.5	87.7	87.9	87.9	88.0	88.1	88.3	88.6
37.1	78.2	82.6	85.1	86.7	87.3	87.8	88.1	88.2	88.4	88.6	88.6	88.7	88.8	89.0	89.3
37.1	78.4	82.9	85.5	87.3	87.8	88.4	88.7	88.8	89.0	89.2	89.3	89.4	89.5	89.6	90.0
37.2	78.6	83.3	86.1	88.1	88.6	89.3	89.6	89.7	89.9	90.1	90.2	90.3	90.4	90.5	90.9
37.2	78.8	83.6	86.5	88.8	89.4	90.2	90.6	90.8	91.0	91.3	91.3	91.4	91.5	91.7	92.0
37.2	78.9	83.8	87.0	89.6	90.3	91.3	91.9	92.1	92.4	92.7	92.7	92.8	92.9	93.1	93.4
37.2	79.0	84.0	87.3	90.2	91.1	92.3	93.1	93.5	93.9	94.2	94.2	94.4	94.5	94.6	95.0
37.2	79.0	84.1	87.5	90.6	91.5	92.9	93.9	94.5	95.0	95.4	95.5	95.7	95.8	95.9	96.3
37.2	79.0	84.1	87.5	90.6	91.6	93.0	94.1	94.8	95.4	96.2	96.2	96.7	96.8	97.4	98.1
37.2	79.0	84.1	87.5	90.6	91.6	93.0	94.1	94.8	95.4	96.2	96.3	97.0	97.0	98.0	98.7
37.2	79.0	84.1	87.5	90.6	91.6	93.0	94.1	94.8	95.4	96.2	96.3	97.0	97.0	98.0	98.7

TOTAL NUMBER OF OBSERVATIONS 696





FEDERAL AVIATION ADMINISTRATION  
METEOROLOGICAL SERVICE  
TINNALL AFB FL

# CEILING VERSUS VISIBILITY

7 TYNALL AFB FL

75-31

5A

PERCENTAGE FREQUENCY OF OCCURRENCE  
AT TYNALL AFB FL

1100-1100

41.2	47.4	44.4	48.8	45.5	46.2	46.4	46.8	47.0	47.4	47.4	47.7	47.7	48.7	49.7
44.7	47.1	48.1	48.5	47.8	48.9	48.1	48.2	48.7	51.1	51.1	51.4	51.4	51.7	52.7
44.7	47.1	48.1	48.5	49.5	48.9	48.1	48.2	48.7	51.1	51.1	51.4	51.4	51.7	52.7
44.7	47.1	48.1	48.5	49.5	48.9	48.1	48.2	48.7	51.1	51.1	51.4	51.4	51.7	52.7
44.7	47.7	48.7	48.1	48.1	48.5	48.7	48.4	48.3	51.7	51.7	51.7	51.7	52.7	53.7
44.7	48.7	48.1	48.4	48.4	48.6	48.1	48.2	48.5	48.8	48.3	48.3	48.5	48.8	49.8
48.2	52.3	52.4	54.8	54.0	55.3	55.4	55.5	58.1	58.5	58.5	58.8	58.8	59.1	59.1
48.7	54.4	55.7	57.1	57.1	57.6	57.7	57.8	58.3	58.3	58.3	58.7	58.7	59.0	59.0
51.1	51.7	56.4	57.8	57.8	58.3	58.4	58.5	59.0	59.5	59.5	59.7	59.7	60.1	61.1
51.1	51.7	58.7	58.4	58.8	58.3	58.4	58.4	58.8	59.5	59.5	59.7	59.7	60.1	61.1
51.8	57.1	58.1	58.8	58.5	60.0	60.1	60.2	60.7	61.2	61.2	61.4	61.4	61.8	62.7
51.1	58.4	58.5	58.9	58.9	61.4	61.8	61.8	62.1	62.6	62.6	62.8	62.8	63.2	64.2
54.6	58.1	58.2	61.8	61.8	62.0	62.4	62.5	63.2	63.4	63.4	63.7	63.7	64.0	65.0
54.7	60.2	61.1	61.7	62.2	63.1	63.2	63.7	63.8	64.7	64.7	64.5	64.5	64.9	65.8
57.2	61.7	62.6	64.2	64.2	64.6	64.6	64.8	65.4	65.8	65.8	66.1	66.1	66.4	67.4
61.6	61.4	62.5	65.6	65.6	66.1	66.3	66.4	66.9	67.4	67.4	67.5	67.5	68.0	68.9
61.8	62.1	65.8	66.0	66.0	66.5	66.7	66.8	68.3	68.8	68.8	69.2	69.2	70.4	71.3
64.4	67.1	68.3	68.7	68.7	68.7	68.9	69.1	69.5	70.1	70.1	70.7	70.7	71.2	72.1
64.9	68.4	67.0	69.4	69.4	69.8	70.1	70.4	70.6	71.7	71.3	71.6	71.6	71.9	72.8
67.2	68.7	68.0	71.0	71.1	71.6	71.8	72.0	72.5	73.0	73.0	73.2	73.2	74.4	74.8
68.5	67.4	71.4	71.0	73.2	73.7	74.3	74.6	75.0	75.8	75.5	75.7	75.7	76.1	77.1
68.7	68.7	71.7	73.4	73.8	74.7	74.9	75.1	75.6	76.1	76.1	76.3	76.7	76.7	77.7
68.3	68.9	71.4	74.2	74.7	75.3	75.9	76.1	76.5	77.2	77.0	77.4	77.4	77.8	78.7
68.3	68.9	70.7	73.1	73.6	74.2	74.8	75.1	75.9	76.1	76.1	76.4	76.4	76.7	78.7
68.6	69.2	72.5	76.1	76.6	77.4	78.1	78.7	78.7	79.7	79.3	79.6	79.6	79.9	80.9
68.9	69.8	73.5	77.4	78.3	79.3	79.7	80.8	81.0	81.6	81.6	81.8	81.8	82.0	83.0
70.3	70.5	74.6	75.7	79.8	81.4	82.1	82.6	83.3	84.0	84.0	84.2	84.2	84.6	85.5
74.3	73.6	74.9	79.2	80.5	82.1	83.2	83.8	85.2	86.7	86.1	86.5	86.5	86.8	87.8
74.3	73.6	74.9	79.3	80.6	82.3	83.8	84.7	85.3	87.8	88.1	88.4	88.4	88.8	89.4
74.3	73.6	74.9	79.5	80.8	82.4	83.4	84.4	86.5	88.2	88.4	88.1	89.7	90.4	91.4
74.3	73.6	74.9	79.5	80.8	82.4	83.9	84.6	86.5	88.0	88.4	88.1	89.7	90.7	91.0

TOTAL NUMBER OF OBSERVATIONS: 1100



2

70. CEILING VISIBILITY

# CEILING VERSUS VISIBILITY

1. TITLE: CEILING VERSUS VISIBILITY  
2. AUTHOR: [illegible]  
3. DATE: [illegible]  
4. LOCATION: [illegible]

1.0	34.7	31.4	34.5	31.1	34.2	30.7	29.4	34.8	40.3	40.7	47.4	41.4	40.7	47.7	41.4
1.0	41.9	44.7	45.9	46.7	48.3	47.3	47.6	47.5	47.9	47.7	48.0	48.1	48.2	48.0	48.8
1.0	42.1	44.7	44.7	44.8	47.3	47.3	47.7	47.7	48.0	48.0	48.1	48.3	48.4	48.5	49.7
1.0	41.4	47.7	48.5	47.7	47.8	48.7	48.5	48.7	48.9	48.9	49.7	49.1	49.2	49.5	50.3
1.0	47.2	48.5	47.4	48.7	48.4	49.9	49.1	49.1	49.8	49.9	49.6	49.7	49.8	50.1	51.1
1.0	47.7	50.1	52.3	50.8	51.9	53.4	53.6	53.6	54.1	54.1	54.2	54.4	54.5	54.7	55.4
1.0	47.8	50.1	52.4	51.2	53.4	51.6	54.1	54.1	54.6	54.6	54.7	54.8	55.1	55.2	56.1
1.0	50.9	51.1	54.3	51.2	51.1	53.6	57.8	57.8	58.3	58.3	58.4	58.4	58.5	58.7	59.7
1.0	53.2	54.7	54.4	53.4	55.5	55.0	55.2	55.2	55.7	55.7	55.8	55.9	56.1	56.4	57.1
1.0	51.8	54.6	59.3	60.7	60.1	60.8	60.6	60.8	61.3	61.3	61.4	61.5	61.6	61.8	61.1
1.0	55.7	58.5	61.8	61.8	62.3	62.5	62.7	62.7	63.2	63.2	63.3	63.4	63.5	63.9	64.1
1.0	60.8	60.4	61.8	62.7	63.4	63.7	63.6	63.7	64.2	64.2	64.3	64.4	64.5	64.9	65.1
1.0	64.7	67.9	67.4	69.4	68.5	65.0	65.2	65.4	65.8	65.8	65.9	66.1	66.2	66.5	67.2
1.0	60.1	62.6	65.1	66.1	66.2	66.7	66.6	66.7	67.2	67.2	67.3	67.4	67.5	67.8	68.7
1.0	60.8	65.7	67.9	68.9	69.1	69.7	69.9	70.7	70.5	70.5	70.6	70.7	70.8	71.2	71.7
1.0	61.4	68.9	69.1	71.3	70.5	71.1	71.3	71.4	71.9	71.9	72.1	72.2	72.3	72.5	73.7
1.0	61.5	66.7	69.4	70.6	70.8	71.4	71.7	71.8	72.3	72.3	72.4	72.5	72.6	72.7	74.1
1.0	62.1	67.2	70.3	71.4	71.7	72.3	72.8	72.9	73.5	73.5	73.6	73.8	74.1	74.7	75.3
1.0	63.3	68.5	71.7	73.0	73.2	73.9	74.3	74.4	75.1	75.1	75.1	75.4	75.6	76.2	77.4
1.0	65.0	70.3	73.5	74.9	75.1	75.7	76.2	76.3	76.9	76.9	77.1	77.4	77.7	78.3	79.5
1.0	65.6	70.8	74.3	75.7	76.2	76.6	77.1	77.2	77.8	77.8	77.9	78.3	78.6	79.2	80.5
1.0	65.1	71.4	75.1	76.7	76.9	77.5	78.0	78.3	78.9	78.9	79.1	79.3	79.6	80.3	81.4
1.0	66.5	71.9	76.2	77.5	77.8	78.5	79.0	79.2	79.8	79.8	79.9	80.3	80.5	81.2	82.4
1.0	67.1	72.8	77.3	79.2	79.7	80.4	81.0	81.2	81.8	81.8	82.1	82.3	82.6	83.3	84.6
1.0	67.3	73.1	77.9	80.7	81.0	82.4	83.2	83.5	84.3	84.3	84.5	84.8	85.1	85.8	87.1
1.0	67.7	73.5	78.9	81.7	82.4	84.1	84.9	85.5	86.4	86.4	86.5	86.8	87.1	87.9	89.1
1.0	67.7	73.5	78.9	81.7	82.8	84.8	86.3	87.7	88.1	89.7	89.1	89.5	89.8	90.8	92.1
1.0	67.7	73.5	78.9	81.7	82.8	84.8	86.5	87.5	88.8	90.1	90.3	91.4	92.1	93.9	96.5
1.0	67.7	73.5	78.9	81.7	82.8	84.8	86.5	87.5	88.8	91.2	91.4	91.9	93.1	95.5	99.7
1.0	67.7	73.5	78.9	81.7	82.8	84.8	86.5	87.5	88.8	91.2	91.4	91.9	93.1	95.6	101.2

10. TOTAL NUMBER OF OBSERVATIONS: 177



2

ALTIMETRY BRANCH  
UNIT 15  
1951-1952

# CEILING VERSUS VISIBILITY

STATION: ...

70-81

140

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

11-10-1952

50.8	49.9	50.9	51.8	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
50.1	50.9	61.0	50.8	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	61.0
50.1	51.7	61.0	61.1	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
50.1	51.4	61.1	61.2	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
50.7	51.9	61.5	61.7	60.7	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
50.9	50.6	63.3	63.4	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
61.1	68.6	67.5	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	67.8
61.2	66.1	67.7	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
61.7	70.7	71.5	71.7	71.9	71.9	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
60.4	71.5	72.7	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
60.4	71.4	73.7	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
62.4	72.7	75.5	75.6	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
62.4	73.2	75.7	75.8	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
62.5	75.7	77.5	77.5	78.3	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
62.7	77.4	79.3	79.5	80.1	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
63.4	79.8	81.9	81.1	81.8	82.1	82.1	82.2	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
63.5	81.1	82.2	82.4	83.7	83.6	83.6	83.7	83.7	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
64.1	82.3	84.2	85.2	85.0	86.5	86.5	86.6	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
64.1	82.7	85.3	85.5	86.5	87.0	87.0	87.1	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
64.4	83.4	86.5	86.7	87.7	88.2	88.2	88.3	88.3	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
64.7	84.3	87.5	87.8	88.8	89.2	89.2	89.4	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
64.8	85.3	88.5	88.9	90.1	90.6	90.7	91.0	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
65.1	85.9	89.1	89.6	90.8	91.3	91.4	91.7	91.7	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
65.1	86.0	89.2	89.7	90.9	91.4	91.6	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
65.7	86.4	89.7	90.3	91.7	92.2	92.5	92.8	92.8	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
65.1	86.7	90.4	91.0	92.8	93.3	93.5	94.1	94.1	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
65.7	87.3	91.3	92.1	94.5	95.2	95.6	96.2	96.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
65.3	87.3	91.5	92.6	95.0	95.8	96.5	97.1	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
65.3	87.3	91.5	92.6	95.1	96.1	96.8	97.4	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
65.7	87.7	91.5	92.6	95.1	96.1	96.8	97.4	98.1	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
65.7	87.3	91.5	92.6	95.1	96.1	96.8	97.4	98.1	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
65.7	87.3	91.5	92.6	95.1	96.1	96.8	97.4	98.1	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 100

NO. 1111

USAF CLIMATE CENTER  
 AFM 100  
 METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81  
 TYDALL AFB FL

73-81

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1510-1700

24.0	47.7	49.5	49.7	49.7	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
24.3	47.7	61.2	61.4	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
24.7	47.7	61.1	61.5	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
24.9	47.7	61.4	61.9	62.2	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
25.0	60.0	63.3	63.9	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
25.5	66.2	67.5	68.1	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
25.7	66.2	68.2	68.9	69.5	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
25.8	69.7	71.4	72.2	72.8	72.9	72.9	72.9	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
26.4	71.0	72.9	73.6	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
26.5	71.3	73.2	74.0	74.5	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
26.8	73.1	75.5	76.3	76.9	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
26.9	73.6	76.5	77.4	78.1	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
27.1	74.4	77.4	78.5	79.1	79.2	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
27.2	75.7	79.0	80.2	81.0	81.1	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
27.3	76.5	80.8	81.3	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
27.5	79.3	82.6	84.5	85.5	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
27.7	79.8	84.3	86.3	87.5	87.8	87.9	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
27.8	80.2	84.8	86.9	88.1	88.4	88.5	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
27.9	81.9	85.8	87.9	89.2	89.6	89.7	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
28.1	81.4	86.3	88.5	89.8	90.2	90.3	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
28.3	82.1	87.0	89.2	90.6	90.9	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
28.3	82.3	87.2	89.7	91.0	91.4	91.6	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
28.4	82.8	87.7	90.2	91.5	91.9	92.1	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
28.6	83.7	88.2	90.8	92.1	92.5	92.7	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
28.6	83.2	88.3	91.0	92.6	93.0	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
28.6	83.2	88.5	91.9	93.7	94.1	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
28.7	83.4	89.0	93.0	95.0	95.8	96.2	96.3	96.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
28.7	83.4	89.1	93.1	95.2	96.1	96.4	96.9	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
28.8	83.5	89.2	93.2	95.3	96.2	96.5	97.0	97.4	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
28.8	83.5	89.2	93.2	95.3	96.2	96.5	97.0	97.4	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
28.9	83.5	89.2	93.2	95.3	96.2	96.5	97.0	97.4	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 837





1  
2  
1  
NATIONAL CLIMATOLOGY BRANCH  
WFO  
WEATHER SERVICE/MAO

# CEILING VERSUS VISIBILITY

73-81

73-81

MAO

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

20.4	45.6	47.0	47.7	48.5	48.6	48.8	48.9	49.0	49.1	49.2	49.2	49.4	49.4	49.5	49.8
22.7	53.1	54.3	55.7	56.5	56.7	56.9	57.2	57.1	57.2	57.3	57.3	57.5	57.5	57.6	57.9
22.7	53.2	55.0	55.8	56.7	56.8	57.0	57.1	57.2	57.4	57.4	57.4	57.6	57.7	57.8	58.1
22.7	53.2	55.0	55.9	56.7	56.9	57.1	57.2	57.3	57.4	57.5	57.5	57.7	57.7	57.8	58.1
22.7	53.7	55.5	56.4	57.2	57.3	57.5	57.7	57.7	57.9	58.0	58.0	58.1	58.2	58.3	58.6
23.2	54.0	56.8	57.7	58.5	58.7	58.9	59.0	59.1	59.2	59.3	59.3	59.5	59.5	59.7	59.9
23.9	54.2	60.2	61.1	62.0	62.2	62.4	62.5	62.6	62.7	62.8	62.8	63.0	63.0	63.2	63.5
24.1	53.8	60.8	61.8	62.7	62.8	63.0	63.2	63.2	63.4	63.5	63.5	63.7	63.7	63.9	64.2
24.4	61.3	63.5	64.5	65.5	65.6	65.8	66.0	66.0	66.2	66.3	66.3	66.5	66.5	66.7	66.9
24.4	62.4	64.7	65.7	65.7	66.8	67.1	67.2	67.3	67.5	67.5	67.5	67.7	67.8	67.9	68.2
24.9	62.8	65.1	66.2	67.1	67.3	67.5	67.6	67.7	67.9	67.9	68.0	68.1	68.2	68.3	68.6
25.0	64.5	67.0	68.1	69.1	69.2	69.5	69.6	69.6	69.8	69.9	69.9	72.1	72.1	72.3	72.6
25.1	65.2	67.8	69.0	70.0	70.2	70.4	70.6	70.6	70.8	70.9	70.9	71.1	71.1	71.3	71.6
25.2	66.1	68.9	70.1	71.2	71.3	71.6	71.7	71.8	72.2	72.1	72.1	72.3	72.3	72.5	72.7
25.4	67.2	70.1	71.5	72.6	72.8	73.1	73.2	73.3	73.0	73.6	73.6	73.8	73.8	74.0	74.0
25.6	68.4	71.7	73.2	74.4	74.6	74.9	75.1	75.1	75.3	75.4	75.4	75.7	75.7	75.9	76.2
25.7	69.6	73.0	74.7	76.1	76.4	76.7	76.8	76.9	77.1	77.2	77.2	77.5	77.5	77.7	78.0
25.8	70.8	74.5	76.3	77.8	78.2	78.5	78.7	78.7	79.0	79.1	79.1	79.3	79.4	79.6	79.9
25.8	71.0	74.8	76.7	78.2	78.5	78.9	79.0	79.1	79.3	79.4	79.5	79.7	79.7	80.0	80.2
25.8	71.9	75.7	77.7	79.3	79.7	80.0	80.2	80.3	80.6	80.7	80.7	81.0	81.0	81.3	81.6
26.1	72.7	76.8	79.0	80.6	81.0	81.4	81.6	81.7	82.0	82.1	82.1	82.4	82.4	82.7	83.0
26.1	73.5	77.7	79.9	81.7	82.1	82.5	82.8	82.9	83.2	83.3	83.3	83.6	83.7	83.9	84.2
26.2	73.8	78.1	80.5	82.3	82.8	83.2	83.5	83.6	83.9	84.0	84.0	84.3	84.4	84.6	84.9
26.3	74.2	78.7	81.1	83.0	83.5	83.9	84.3	84.4	84.7	84.8	84.8	85.1	85.2	85.4	85.8
26.3	74.7	79.3	81.9	84.0	84.5	84.9	85.3	85.4	85.7	85.8	85.8	86.2	86.2	86.5	86.8
26.3	75.0	79.8	82.5	84.9	85.4	86.0	86.4	86.5	86.8	87.0	87.0	87.3	87.4	87.6	87.9
26.3	75.3	80.3	83.3	86.0	86.8	87.6	88.2	88.3	88.7	88.9	89.0	89.3	89.4	89.6	89.9
26.4	75.5	80.8	84.1	87.2	88.2	89.3	90.1	90.3	90.9	91.1	91.1	91.5	91.6	91.8	92.2
26.4	75.5	81.0	84.3	87.6	88.7	89.9	90.9	91.4	92.2	92.7	92.7	93.2	93.3	93.6	94.1
26.4	75.5	81.0	84.3	87.6	88.8	90.0	91.2	91.8	92.8	93.6	93.8	94.6	94.9	95.9	97.1
26.4	75.5	81.0	84.3	87.6	88.8	90.0	91.2	91.8	93.0	93.9	94.1	95.0	95.5	97.1	98.9
26.4	75.5	81.0	84.3	87.6	88.8	90.0	91.2	91.8	93.0	93.9	94.1	95.0	95.5	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6695



FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81 TYNALL AFB FL

73-81

ABF

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1000-0000

26.7	58.9	63.5	65.3	67.8	68.3	69.1	69.4	69.5	69.6	69.9	69.8	70.4	70.4	70.9	71.9
27.8	63.7	68.5	71.5	73.1	73.6	74.4	74.7	74.8	74.9	75.2	75.2	75.8	75.8	76.3	76.3
27.8	63.7	68.5	71.5	73.1	73.6	74.4	74.7	74.8	74.9	75.2	75.2	75.8	75.8	76.3	76.3
27.9	64.2	69.1	71.0	73.0	74.1	74.9	75.2	75.3	75.4	75.7	75.7	76.3	76.3	76.8	76.8
28.2	64.3	69.1	71.1	73.7	74.2	75.1	75.3	75.4	75.6	75.8	75.8	76.4	76.4	76.9	76.9
28.5	65.4	70.4	72.5	75.1	75.6	76.4	76.7	76.8	76.9	77.2	77.2	77.8	77.8	78.3	78.3
28.5	65.4	70.4	72.5	75.1	75.6	76.4	76.7	76.8	76.9	77.2	77.2	77.8	77.8	78.3	78.3
28.5	66.0	71.0	73.2	75.8	76.3	77.2	77.4	77.5	77.7	77.9	77.9	78.5	78.5	79.0	79.0
28.9	66.9	72.0	74.4	77.0	77.5	78.4	78.6	78.8	78.9	79.1	79.1	79.8	79.8	80.2	80.2
28.9	67.4	72.5	75.1	77.7	78.1	79.0	79.3	79.4	79.5	79.8	79.8	80.4	80.4	80.9	80.9
29.3	68.5	73.7	76.3	78.9	79.4	80.2	80.5	80.6	80.7	81.0	81.0	81.6	81.6	82.1	82.1
29.3	68.8	74.1	76.5	79.1	79.6	80.5	80.7	80.9	81.0	81.2	81.2	81.9	81.9	82.3	82.3
30.0	70.0	75.7	78.5	81.2	81.7	82.6	82.8	83.0	83.1	83.3	83.3	84.0	84.0	84.4	84.4
30.0	70.4	76.1	78.9	81.6	82.1	83.0	83.2	83.3	83.5	83.7	83.7	84.3	84.3	84.8	84.8
30.1	71.1	77.1	79.9	83.0	83.5	84.3	84.6	84.7	84.8	85.1	85.1	85.7	85.7	86.2	86.2
30.0	71.7	77.8	80.6	83.7	84.2	85.1	85.3	85.4	85.6	85.8	85.8	86.4	86.4	86.9	86.9
30.0	72.2	78.3	81.1	84.2	84.7	85.6	85.8	85.9	86.2	86.3	86.3	86.9	86.9	87.4	87.4
30.0	72.2	78.5	81.4	84.4	84.9	85.8	86.0	86.2	86.3	86.5	86.5	87.2	87.2	87.7	87.7
30.0	73.0	79.3	82.2	85.3	85.8	86.7	86.9	87.1	87.2	87.4	87.4	88.0	88.0	88.5	88.5
30.0	74.0	80.2	83.5	86.5	87.0	87.9	88.1	88.3	88.4	88.6	88.6	89.3	89.3	89.8	89.8
30.0	74.0	80.5	83.8	86.9	87.4	88.3	88.5	88.6	88.8	89.0	89.0	89.6	89.6	90.1	90.1
30.0	74.0	81.0	84.3	87.4	87.9	88.8	89.1	89.3	89.4	89.6	89.6	90.2	90.2	90.7	90.7
30.0	74.1	81.1	84.4	87.5	88.0	88.9	89.3	89.4	89.5	89.8	89.8	90.4	90.4	90.9	90.9
30.0	74.3	81.9	85.3	88.4	88.9	89.8	90.1	90.2	90.4	90.6	90.6	91.2	91.2	91.7	91.7
30.0	74.3	82.5	86.0	89.5	90.0	90.9	91.2	91.4	91.7	92.0	92.0	92.6	92.6	93.1	93.1
30.0	74.3	82.8	86.5	90.5	91.0	92.0	92.3	92.5	92.6	93.1	93.1	93.7	93.7	94.2	94.2
30.0	74.3	83.2	87.2	91.4	92.3	93.5	93.8	94.0	94.4	94.7	94.8	95.6	95.6	96.2	96.2
30.0	74.3	83.2	87.2	91.6	92.6	93.7	94.1	94.2	94.7	95.1	95.3	96.0	96.0	97.2	97.2
30.0	74.3	83.3	87.3	91.7	92.8	94.2	94.6	94.7	95.2	95.6	95.8	96.8	96.8	98.4	98.5
30.0	74.3	83.3	87.3	91.7	92.8	94.2	94.6	94.7	95.2	95.6	95.8	97.0	97.0	99.1	99.5
30.0	74.3	83.3	87.3	91.7	92.8	94.2	94.6	94.7	95.2	95.6	95.8	97.0	97.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 810

0  
2  
0

FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72-81 TYNALL AFB FL

72-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

110-5500

23.6	52.0	56.7	58.8	61.1	61.4	61.7	61.9	62.0	62.5	62.7	62.7	63.0	63.0	63.7	64.1
24.7	56.4	61.4	63.7	66.4	66.7	67.0	67.2	67.3	67.8	68.0	68.0	68.3	68.3	69.1	69.5
24.7	56.4	61.4	63.7	66.4	66.7	67.0	67.2	67.3	67.8	68.0	68.0	68.3	68.3	69.1	69.5
24.7	56.4	61.4	63.7	66.4	66.7	67.0	67.2	67.3	67.8	68.0	68.0	68.3	68.3	69.1	69.5
24.8	57.0	62.7	64.3	67.0	67.3	67.7	67.8	67.9	68.4	68.6	68.6	68.9	68.9	69.8	70.1
25.4	58.6	63.6	65.9	68.6	68.9	69.3	69.4	69.5	70.0	70.2	70.2	70.5	70.5	71.4	71.7
25.0	60.0	64.9	67.3	70.1	70.4	70.7	70.9	71.0	71.5	71.7	71.7	72.0	72.0	72.8	73.0
25.0	60.1	65.1	67.4	70.2	70.5	70.9	71.0	71.1	71.6	71.9	71.9	72.1	72.1	73.0	73.3
26.0	61.0	65.9	68.3	71.1	71.4	71.7	71.9	72.0	72.5	72.7	72.7	73.0	73.0	73.8	74.2
26.4	61.7	66.9	69.3	72.1	72.3	72.7	72.8	73.0	73.5	73.7	73.7	74.1	74.1	74.8	75.2
26.4	62.0	67.2	69.6	72.5	72.7	73.1	73.2	73.3	73.8	74.1	74.1	74.3	74.3	75.2	75.6
26.8	63.5	68.6	71.2	74.1	74.3	74.7	74.8	74.9	75.4	75.7	75.7	75.9	75.9	76.8	77.2
26.7	63.7	68.9	71.5	74.3	74.6	74.9	75.1	75.2	75.7	75.9	75.9	76.2	76.2	77.0	77.4
27.4	65.7	70.9	73.7	76.8	77.0	77.4	77.5	77.7	78.1	78.4	78.4	78.6	78.6	79.5	79.9
27.5	66.2	71.4	74.2	77.3	77.5	77.9	78.0	78.1	78.6	78.9	78.9	79.1	79.1	80.0	80.4
27.8	66.8	72.2	75.1	78.1	78.4	78.8	78.9	79.0	79.5	79.8	79.8	80.0	80.0	80.9	81.2
27.0	67.3	73.0	75.8	78.9	79.1	79.6	79.8	79.9	80.4	80.6	80.6	80.9	80.9	81.7	82.1
27.9	68.1	74.0	76.8	79.9	80.1	80.6	80.7	80.9	81.4	81.6	81.6	81.9	81.9	82.7	83.1
27.9	68.5	74.3	77.2	80.2	80.5	81.0	81.1	81.2	81.7	82.0	82.0	82.2	82.2	83.1	83.5
28.1	69.4	75.3	78.1	81.4	81.6	82.1	82.2	82.3	82.8	83.1	83.1	83.3	83.3	84.2	84.6
28.1	70.5	76.4	79.4	82.7	83.0	83.5	83.6	83.7	84.2	84.4	84.4	84.7	84.7	85.6	85.9
28.1	71.1	77.2	80.5	83.8	84.1	84.6	84.7	84.8	85.3	85.6	85.6	85.8	85.8	86.7	87.0
28.1	71.1	77.4	80.9	84.3	84.6	85.1	85.2	85.3	85.8	86.0	86.0	86.3	86.3	87.2	87.5
28.1	71.4	78.1	81.9	85.3	85.6	86.1	86.2	86.3	86.8	87.2	87.2	87.3	87.3	88.1	88.5
28.1	71.6	78.6	82.3	85.8	86.0	86.7	86.8	86.9	87.4	87.7	87.7	87.9	87.9	88.8	89.1
28.1	71.6	78.9	83.1	87.2	87.4	88.0	88.3	88.5	89.1	89.5	89.5	89.8	89.8	90.7	91.1
28.1	71.6	78.9	83.1	87.5	87.8	88.8	89.3	89.5	90.1	90.5	90.5	91.0	91.0	92.0	92.3
28.1	71.6	79.0	83.2	87.8	88.0	89.0	89.5	89.8	90.4	90.7	90.7	91.4	91.4	92.3	92.7
28.1	71.6	79.0	83.3	88.0	88.5	89.5	90.0	90.0	91.0	91.5	91.5	92.2	92.2	93.2	93.6
28.1	71.6	79.0	83.3	88.1	88.6	89.9	90.6	90.9	91.6	92.6	92.6	93.6	93.6	95.1	95.9
28.1	71.6	79.0	83.3	88.1	88.6	89.9	90.6	90.9	91.9	92.8	93.0	94.2	94.2	95.8	96.1
28.1	71.6	79.0	83.3	88.1	88.6	89.9	90.6	90.9	91.9	92.8	93.0	94.2	94.2	95.9	96.2

TOTAL NUMBER OF OBSERVATIONS 610

GRAPH FOR THIS DATA IS AVAILABLE ON REQUEST FROM THE METAC

CEILING CLIMATOLOGY BRANCH  
WAFSLTAC  
AIR FORCE WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1777 TYNDALE AFB FL

73-61

ARJ

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

05\_10-0800

23.0	51.5	52.8	54.3	55.6	55.7	56.3	56.4	56.4	56.5	56.7	56.7	57.0	57.1	57.4	57.5
24.4	57.2	61.7	62.5	63.8	64.1	64.7	64.9	64.9	65.1	65.2	65.2	65.6	65.6	65.9	66.2
24.4	57.2	61.7	62.5	63.8	64.1	64.7	64.9	64.9	65.1	65.2	65.2	65.6	65.6	65.9	66.2
24.4	57.2	61.7	62.5	63.8	64.1	64.7	64.9	64.9	65.1	65.2	65.2	65.6	65.6	65.9	66.2
24.4	57.2	61.7	62.5	63.8	64.1	64.7	64.9	64.9	65.1	65.2	65.2	65.6	65.6	65.9	66.2
24.7	58.3	61.9	63.6	64.9	65.2	65.8	66.2	66.2	66.2	66.3	66.3	66.7	66.7	67.7	67.2
25.0	60.9	64.6	66.3	67.7	67.9	69.5	68.8	68.8	68.9	69.0	69.0	69.4	69.4	69.8	69.9
25.7	63.2	66.9	68.6	70.0	70.2	70.9	71.1	71.1	71.2	71.4	71.4	71.7	71.7	72.1	72.7
26.4	63.7	67.4	69.1	70.5	70.7	71.4	71.6	71.6	71.7	71.9	71.9	72.2	72.2	72.6	72.7
27.0	66.3	70.7	71.7	73.5	73.7	74.3	74.6	74.6	74.7	74.8	74.8	75.2	75.2	75.6	75.7
27.3	67.4	71.1	73.0	74.7	74.9	75.6	75.8	75.8	75.9	76.0	76.0	76.4	76.4	76.8	76.9
27.4	67.8	71.5	73.3	75.1	75.3	75.9	76.2	76.2	76.3	76.4	76.4	76.8	76.8	77.2	77.3
27.8	68.9	72.6	74.8	76.9	77.2	77.8	78.1	78.1	78.3	78.4	78.4	78.8	78.8	79.1	79.3
27.8	69.4	73.1	75.3	77.4	77.7	78.3	78.6	78.6	78.8	78.9	78.9	79.3	79.3	79.7	79.8
27.8	71.4	74.1	76.3	78.5	78.8	79.4	79.8	79.8	79.9	80.0	80.0	80.4	80.4	80.7	80.9
27.8	71.7	74.7	76.9	79.1	79.5	80.1	80.5	80.5	80.6	80.7	80.7	81.1	81.1	81.5	81.6
28.0	71.9	75.7	77.9	80.1	80.7	81.4	81.7	81.7	81.9	82.1	82.1	82.3	82.3	82.7	82.8
28.1	72.2	76.0	78.4	80.6	81.2	81.9	82.2	82.2	82.3	82.5	82.5	82.8	82.8	83.2	83.3
28.4	73.5	77.9	80.5	82.8	83.5	84.2	84.6	84.6	84.7	84.8	84.8	85.2	85.2	85.6	85.7
28.4	73.6	78.0	80.6	83.0	83.6	84.3	84.7	84.7	84.8	84.9	84.9	85.3	85.3	85.7	85.8
28.4	74.2	79.0	81.7	84.2	84.8	85.7	86.0	86.2	86.2	86.3	86.3	86.7	86.7	87.2	87.2
28.4	75.2	80.2	83.0	85.4	86.2	87.0	87.4	87.4	87.5	87.7	87.7	88.1	88.1	88.5	88.8
28.4	75.4	81.1	84.1	86.5	87.3	88.1	88.5	88.5	88.6	88.8	88.8	89.3	89.3	89.6	89.9
28.4	75.6	81.5	84.6	87.0	87.8	88.6	89.0	89.0	89.1	89.3	89.3	89.8	89.8	90.1	90.4
28.4	75.7	81.6	84.8	87.4	88.1	89.2	89.5	89.5	89.6	89.8	89.8	90.2	90.2	90.6	90.9
28.4	75.7	81.6	84.8	87.4	88.1	89.0	89.5	89.5	89.6	89.8	89.8	90.2	90.2	90.6	90.9
28.4	75.7	82.5	86.2	89.0	89.7	90.7	91.4	91.4	91.5	91.6	91.7	92.2	92.2	92.6	92.8
28.4	75.8	82.7	86.4	89.5	90.5	91.4	92.1	92.1	92.2	92.3	92.3	92.5	92.5	93.1	93.7
28.4	75.8	82.8	86.5	90.2	91.5	92.3	93.5	93.5	93.7	93.8	94.1	94.7	94.7	95.1	95.3
28.4	75.8	82.8	86.5	90.4	91.6	92.6	93.8	93.8	94.1	94.3	94.6	95.3	95.3	95.8	96.3
28.4	75.8	82.8	86.7	90.5	91.7	92.7	94.0	94.1	94.7	95.2	95.4	96.5	96.7	97.4	97.9
28.4	75.8	82.8	86.7	90.5	91.7	92.8	94.1	94.2	94.9	95.4	95.7	96.9	97.7	98.1	99.1
28.4	75.8	82.8	86.7	90.5	91.7	92.8	94.1	94.2	94.9	95.4	95.7	96.9	97.0	98.1	99.1

TOTAL NUMBER OF OBSERVATIONS 812

0  
2  
1

FEDERAL CLIMATOLOGY BRANCH  
WAFB TAC  
ATTN: WEATHER SERVICE/MAO

# CEILING VERSUS VISIBILITY

73-81 TYNMALL AFB FL

73-81

AR-

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1929-1130

31.5	63.3	64.1	64.1	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
32.7	71.4	71.2	71.2	71.5	71.6	71.6	71.6	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6
32.7	71.6	71.5	71.5	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
32.7	71.7	71.9	71.9	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
34.2	73.3	74.7	74.7	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
34.7	75.2	76.3	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
34.7	75.2	76.3	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
35.7	78.0	79.1	79.1	79.4	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
36.7	79.9	81.0	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
37.7	79.9	81.0	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
38.7	81.6	81.7	81.7	82.0	82.1	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
38.7	81.4	82.6	82.6	82.8	83.0	83.0	83.3	83.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
37.5	82.8	84.1	84.3	84.6	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
37.5	83.7	85.2	85.6	85.8	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
37.5	84.6	86.4	87.0	87.3	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
37.5	86.8	88.4	89.1	89.4	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
37.5	87.3	89.3	90.2	90.6	90.9	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
37.5	87.3	89.3	90.2	90.6	90.9	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
37.5	88.0	90.5	91.6	92.1	92.5	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
37.5	88.6	91.1	92.2	92.7	93.1	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
37.5	88.6	91.7	92.8	93.5	93.8	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
37.5	88.8	92.0	93.3	94.0	94.3	94.9	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
37.5	89.0	92.1	94.1	94.8	95.2	95.8	96.2	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
37.5	89.3	92.9	94.6	95.3	95.7	96.3	96.8	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
37.5	89.3	93.2	94.9	95.7	96.3	96.8	97.4	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
37.5	89.3	93.5	95.3	96.3	96.7	97.4	98.0	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
37.5	89.4	93.6	95.4	96.8	97.2	97.9	98.5	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
37.5	89.4	93.6	95.4	96.8	97.2	97.9	98.6	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
37.5	89.4	93.6	95.4	96.8	97.2	97.9	98.6	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
37.5	89.4	93.6	95.4	96.8	97.2	97.9	98.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
37.5	89.4	93.6	95.4	96.8	97.2	97.9	98.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 612

FEDERAL CLIMATOLOGY BRANCH  
METEOROLOGICAL SERVICE/7440

# CEILING VERSUS VISIBILITY

STATION: TALLAHASSEE, FLORIDA

1951

SP1

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1110-1400

34.0	64.7	65.7	66.3	67.5	68.5	64.5	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
37.2	73.3	74.6	75.3	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
37.8	74.1	75.3	76.0	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
37.9	74.2	75.4	76.2	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
38.0	74.9	76.2	76.9	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
38.9	77.0	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
39.4	78.5	79.8	80.5	80.7	80.7	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
39.4	78.6	79.9	80.6	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
40.0	81.9	83.1	83.8	84.2	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
40.5	83.0	84.3	85.2	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
40.6	83.2	84.7	85.4	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
40.7	84.0	85.4	86.3	86.7	86.7	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
41.2	85.4	86.9	87.8	88.1	88.1	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
41.4	86.9	88.8	89.8	89.6	90.1	90.1	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
41.4	87.9	89.8	90.6	91.1	91.1	91.2	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
41.7	89.8	91.0	92.1	92.7	92.8	93.2	93.3	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
41.7	89.6	91.0	92.3	93.1	94.2	94.7	94.2	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
41.7	90.5	93.0	94.3	95.1	95.2	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
41.7	90.7	93.5	94.8	95.6	95.7	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
41.9	91.1	94.0	95.4	96.2	96.3	96.8	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
41.9	91.4	94.3	95.8	96.5	96.7	97.3	97.4	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8
41.9	91.4	94.4	95.9	96.9	97.2	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3
41.9	91.5	94.7	96.2	97.2	97.4	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
41.9	91.6	94.8	96.3	97.4	97.7	98.5	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0
41.9	91.7	94.9	96.5	97.7	97.9	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3
41.9	91.9	95.2	96.9	98.0	98.3	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
41.9	91.9	95.2	96.9	98.1	98.4	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
41.9	91.9	95.2	96.9	98.1	98.4	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
41.9	91.9	95.2	96.9	98.1	98.4	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
41.9	91.9	95.2	96.9	98.1	98.4	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
41.9	91.9	95.2	96.9	98.1	98.4	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 117

4  
2  
1

FAA DISTRICT OFFICE BRANCH  
OFFICE OF THE SUPERVISOR  
MEMPHIS, TENNESSEE

# CEILING VERSUS VISIBILITY

72.0	63.7	64.4	65.0	65.3	65.3	65.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
73.0	73.2	74.7	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	75.6	75.6	75.6
74.0	74.0	75.7	76.4	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
75.0	75.3	76.9	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	77.8	77.8
76.0	77.4	79.0	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	79.9
77.0	79.9	81.6	82.3	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
78.0	81.7	84.4	85.3	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
79.0	83.7	85.6	86.4	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	87.3
80.0	85.8	85.7	86.7	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
81.0	84.4	86.4	87.4	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	88.3
82.0	85.4	87.4	88.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
83.0	86.3	88.3	89.3	90.1	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	91.1
84.0	86.9	89.7	90.0	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	91.0
85.0	88.6	91.4	92.3	93.3	93.3	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
86.0	89.7	92.1	93.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
87.0	89.8	92.8	94.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
88.0	90.8	92.8	94.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
89.0	90.4	93.6	94.7	95.8	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	96.0	96.0
90.0	91.5	94.2	95.2	96.4	96.4	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
91.0	91.6	94.2	95.3	96.4	96.4	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
92.0	91.9	94.4	95.6	96.8	96.8	96.9	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
93.0	91.0	94.8	96.0	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
94.0	91.0	94.9	96.3	97.5	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
95.0	91.0	94.9	96.4	97.8	97.8	97.9	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
96.0	91.1	95.1	96.5	97.9	97.9	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
97.0	91.2	95.2	96.7	98.3	98.3	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
98.0	91.2	95.2	96.7	98.3	98.3	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.0	91.2	95.2	96.7	98.3	98.3	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.0	91.2	95.2	96.7	98.3	98.3	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS                      110

UNAS FILED IN THE OFFICE OF THE SUPERVISOR

1  
2

# CEILING VERSUS VISIBILITY

WFO  
MAYALL WEA. FL.

78-81

39

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURS OF OBSERVATIONS

13-11-1100

69.7	69.5	69.7	69.3	67.7	69.7	64.7	64.0	64.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
70.7	71.2	77.7	74.6	74.3	75.1	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
70.7	71.6	74.1	74.9	75.3	75.4	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
70.4	71.1	74.4	75.4	75.8	75.9	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
70.4	70.7	75.2	76.2	76.5	76.7	76.9	76.9	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
70.7	74.9	77.4	74.4	77.8	78.9	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
71.4	77.3	79.8	80.7	81.5	81.5	81.9	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
71.4	77.5	80.0	81.1	81.7	82.1	83.3	82.7	83.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
72.7	77.9	81.4	82.3	83.1	83.5	83.7	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
72.7	77.6	80.2	82.2	84.0	84.3	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
72.8	77.9	81.5	83.5	84.2	84.6	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
72.8	81.7	87.4	84.6	87.3	85.7	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
72.7	81.1	83.7	84.8	85.6	85.9	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
73.1	82.1	84.7	85.8	85.5	86.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
73.7	82.8	85.7	86.8	87.8	88.1	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
73.7	84.3	87.5	88.6	89.6	90.0	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	90.5
74.0	84.6	87.9	89.0	90.0	90.4	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
74.0	85.3	88.8	90.0	91.0	91.4	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
74.7	85.4	89.9	90.1	91.1	91.5	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
74.0	85.8	89.5	90.9	92.0	92.3	92.7	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
74.5	86.7	90.8	92.0	93.2	93.7	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
74.5	87.0	91.1	92.7	94.0	94.4	94.8	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
74.5	87.2	91.2	93.0	94.2	94.7	95.2	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
74.5	87.2	91.4	93.2	94.6	95.2	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
74.5	87.5	91.7	93.6	94.9	95.7	96.3	96.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
74.5	87.7	91.9	93.6	95.2	95.9	96.5	96.5	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
74.5	87.8	92.0	94.1	95.8	96.5	97.2	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
74.5	87.8	92.0	94.1	96.7	96.8	97.4	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
74.5	87.6	92.0	94.2	96.3	97.0	97.7	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
74.5	87.8	92.0	94.2	96.3	97.0	97.7	98.3	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
74.5	87.8	92.0	94.2	96.3	97.0	97.7	98.3	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
74.5	87.8	92.0	94.2	96.3	97.0	97.7	98.3	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 510

2

UNITED STATES DEPARTMENT OF COMMERCE  
OFFICE OF THE SECRETARY  
WASHINGTON, D. C.

# CEILING VERSUS VISIBILITY

73-11  
U. S. DEPARTMENT OF COMMERCE  
OFFICE OF THE SECRETARY

487  
1953

71.1	75.4	69.1	73.2	72.1	72.0	73.0	72.2	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
71.3	75.1	75.9	77.9	75.8	75.1	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
71.8	72.1	75.0	77.9	75.9	75.1	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
71.6	72.2	75.0	77.4	75.9	75.3	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
71.2	71.7	74.4	74.6	75.5	75.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
71.4	74.1	74.7	81.2	81.4	81.7	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
71.3	74.7	74.9	81.2	81.5	81.5	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
71.2	74.7	75.9	81.2	82.1	82.5	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
71.7	74.3	75.0	81.5	82.5	82.8	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
71.4	75.4	75.6	82.2	83.2	83.6	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
71.7	75.5	81.1	87.7	87.8	84.2	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
71.3	77.3	81.5	84.2	85.3	85.7	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
71.3	77.3	81.5	84.2	85.3	85.7	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
71.7	71.4	82.7	85.1	85.5	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
71.9	71.4	82.1	85.7	86.2	87.3	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
71.5	72.4	82.7	86.3	87.7	88.7	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
71.4	80.4	84.7	87.4	89.8	89.1	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
71.4	81.2	85.6	88.6	90.2	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
71.7	81.2	85.8	88.8	90.2	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
71.6	81.4	85.7	88.3	91.0	91.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
71.7	81.6	86.4	88.5	91.4	91.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
71.7	81.8	86.7	89.1	92.1	92.6	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
71.9	82.0	86.9	89.4	92.3	92.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
71.7	82.1	86.9	89.4	92.3	92.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
71.5	82.2	87.2	89.6	92.1	93.5	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
71.7	82.5	87.5	91.0	93.5	94.7	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
71.5	82.7	88.1	91.9	94.7	95.3	96.2	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
71.3	82.7	88.1	92.1	95.2	96.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
71.7	82.7	88.1	92.2	95.3	96.4	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	97.7
71.7	82.7	88.1	92.2	95.3	96.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
71.8	82.7	88.1	92.2	95.3	96.4	97.5	97.8	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
71.6	82.7	88.1	92.2	95.3	96.4	97.5	97.8	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

U. S. DEPARTMENT OF COMMERCE, OFFICE OF THE SECRETARY



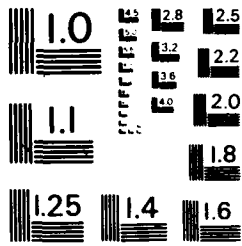
AD-A128 110

TYNDALL AFB FLORIDA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 DEC 82  
UNCLASSIFIED USAFETAC/DS-82/060 SBI-AD-E850 360 F/G 4/2

3/5

NL

A large grid of 16 columns and 16 rows, mostly filled with black redaction marks. The top-left cell is white. The grid is used for data entry or reporting, but the content is obscured by redaction.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 965

0  
2  
1

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

747757 TYNDALE AFB FL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
1000	28.0	60.0	62.4	63.6	64.6	64.7	65.0	65.1	65.1	65.3	65.3	65.3	65.5	65.5	65.7	65.7					
900	30.0	67.2	70.1	71.4	72.5	72.7	73.0	73.1	73.1	73.2	73.3	73.3	73.4	73.4	73.7	73.7					
800	30.2	67.6	70.5	71.8	72.8	73.0	73.4	73.4	73.5	73.6	73.7	73.7	73.8	73.8	74.0	74.1					
700	30.3	68.3	71.2	72.5	73.6	73.8	74.1	74.2	74.2	74.3	74.4	74.4	74.6	74.6	74.8	74.8					
600	31.0	70.1	73.1	74.5	75.5	75.7	76.0	76.1	76.2	76.3	76.4	76.4	76.5	76.5	76.7	76.8					
500	31.5	71.8	74.9	76.2	77.4	77.6	77.9	78.0	78.0	78.1	78.2	78.2	78.3	78.3	78.6	78.6					
400	31.6	71.9	75.0	76.3	77.5	77.8	78.1	78.2	78.2	78.3	78.4	78.4	78.5	78.5	78.8	78.8					
300	32.0	73.7	76.7	78.2	79.5	79.7	80.0	80.1	80.1	80.2	80.3	80.3	80.5	80.5	80.7	80.8					
200	32.4	75.0	78.1	79.7	81.0	81.2	81.5	81.6	81.6	81.8	81.8	81.8	82.0	82.0	82.2	82.3					
100	32.7	76.0	79.2	80.8	82.2	82.4	82.8	82.9	82.9	83.1	83.1	83.1	83.3	83.3	83.5	83.6					
0	32.8	76.6	79.8	81.4	82.7	83.0	83.3	83.5	83.5	83.6	83.7	83.7	83.9	83.9	84.1	84.1					
1000	33.2	77.8	81.1	82.9	84.3	84.5	84.9	85.0	85.1	85.2	85.3	85.3	85.4	85.4	85.6	85.7					
900	33.2	78.5	81.9	83.6	85.1	85.3	85.7	85.8	85.8	86.0	86.0	86.0	86.2	86.2	86.4	86.5					
800	33.4	79.5	83.1	84.9	86.5	86.8	87.2	87.3	87.4	87.5	87.6	87.6	87.7	87.7	87.9	88.0					
700	33.5	80.2	84.0	85.9	87.5	87.8	88.2	88.4	88.4	88.5	88.6	88.6	88.8	88.8	89.0	89.0					
600	33.5	81.0	84.9	86.9	88.6	88.9	89.4	89.6	89.6	89.8	89.8	89.8	90.0	90.0	90.2	90.3					
500	33.5	81.0	85.0	87.1	88.7	89.0	89.6	89.7	89.8	89.9	90.0	90.0	90.1	90.1	90.3	90.4					
400	33.6	81.6	85.8	87.9	89.7	90.0	90.6	90.7	90.8	90.9	91.0	91.0	91.1	91.1	91.4	91.4					
300	33.6	82.3	86.6	88.8	90.6	90.9	91.5	91.6	91.7	91.9	91.9	91.9	92.1	92.1	92.3	92.4					
200	33.6	82.5	87.1	89.4	91.2	91.6	92.2	92.3	92.4	92.5	92.6	92.6	92.8	92.8	93.0	93.1					
100	33.6	82.6	87.4	89.7	91.6	92.0	92.6	92.8	92.9	93.0	93.1	93.1	93.3	93.3	93.5	93.6					
0	33.6	82.7	87.6	90.1	92.1	92.5	93.1	93.3	93.4	93.5	93.6	93.6	93.8	93.8	94.0	94.1					
1000	33.6	82.9	87.9	90.5	92.5	92.9	93.6	93.8	93.9	94.1	94.2	94.2	94.4	94.4	94.6	94.7					
900	33.6	83.0	88.3	91.0	93.2	93.6	94.3	94.6	94.7	94.9	95.1	95.1	95.3	95.3	95.5	95.6					
800	33.6	83.1	88.5	91.3	93.8	94.2	95.0	95.4	95.5	95.8	95.9	95.9	96.2	96.2	96.4	96.5					
700	33.6	83.1	88.6	91.5	94.2	94.8	95.7	96.1	96.2	96.5	96.7	96.7	97.0	97.0	97.3	97.4					
600	33.6	83.1	88.6	91.6	94.4	95.0	95.9	96.4	96.5	96.9	97.1	97.1	97.5	97.5	97.9	98.0					
500	33.6	83.1	88.7	91.6	94.4	95.1	96.0	96.6	96.8	97.2	97.5	97.6	98.1	98.2	98.7	98.9					
400	33.6	83.1	88.7	91.6	94.4	95.1	96.0	96.6	96.8	97.3	97.6	97.7	98.3	98.4	99.1	99.6					
300	33.6	83.1	88.7	91.6	94.4	95.1	96.0	96.6	96.8	97.3	97.6	97.7	98.3	98.4	99.1	99.6					
200	33.6	83.1	88.7	91.6	94.4	95.1	96.0	96.6	96.8	97.3	97.6	97.7	98.3	98.4	99.1	99.6					
100	33.6	83.1	88.7	91.6	94.4	95.1	96.0	96.6	96.8	97.3	97.6	97.7	98.3	98.4	99.1	99.6					
0	33.6	83.1	88.7	91.6	94.4	95.1	96.0	96.6	96.8	97.3	97.6	97.7	98.3	98.4	99.1	99.6					

TOTAL NUMBER OF OBSERVATIONS 6880

1  
2  
1

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

747757 TYNDALL AFB FL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

1000	14.2	67.2	63.3	66.3	67.5	67.9	68.0	68.1	68.1	68.3	68.3	68.3	68.6	68.6	68.6	68.6
900	15.7	67.0	70.1	73.1	74.3	74.7	74.8	74.9	74.9	75.1	75.3	75.3	75.5	75.5	75.5	75.5
800	15.7	67.4	70.5	73.5	74.7	75.0	75.1	75.3	75.3	75.5	75.6	75.6	75.9	75.9	75.9	75.9
700	15.7	67.4	70.5	73.5	74.7	75.0	75.1	75.3	75.3	75.5	75.6	75.6	75.9	75.9	75.9	75.9
600	15.6	68.6	71.9	74.9	76.1	76.5	76.6	76.7	76.7	76.9	77.1	77.1	77.3	77.3	77.3	77.3
500	16.4	70.1	73.5	76.5	77.7	78.0	78.3	78.4	78.4	78.6	78.7	78.7	79.0	79.0	79.0	79.0
400	15.5	70.3	73.6	76.6	77.8	78.1	78.4	78.5	78.5	78.7	78.9	78.9	79.1	79.1	79.1	79.1
300	16.8	72.4	75.7	78.7	80.2	80.5	80.8	80.9	80.9	81.1	81.2	81.2	81.5	81.5	81.5	81.5
200	16.8	73.0	76.3	79.3	80.8	81.1	81.5	81.6	81.6	81.8	82.0	82.0	82.2	82.2	82.2	82.2
100	16.8	73.0	76.3	79.3	80.8	81.1	81.5	81.6	81.6	81.8	82.0	82.0	82.2	82.2	82.2	82.2
000	17.2	73.8	77.3	80.3	81.8	82.4	82.8	82.9	82.9	83.2	83.3	83.3	83.5	83.5	83.5	83.5
100	17.1	74.4	77.9	80.9	82.4	83.0	83.4	83.5	83.5	83.8	83.9	83.9	84.1	84.1	84.1	84.1
200	17.1	75.0	78.7	81.8	83.5	84.2	84.6	84.7	84.7	84.9	85.1	85.1	85.3	85.3	85.3	85.3
300	17.1	75.4	79.1	82.2	83.9	84.6	84.9	85.1	85.1	85.3	85.4	85.4	85.7	85.7	85.7	85.7
400	17.2	77.2	81.1	84.2	85.9	86.6	87.0	87.1	87.1	87.3	87.5	87.5	87.7	87.7	87.7	87.7
500	17.3	77.8	81.7	84.9	86.7	87.5	87.8	87.9	87.9	88.2	88.3	88.3	88.5	88.5	88.5	88.5
600	17.6	78.6	82.7	85.9	87.7	88.4	88.8	88.9	88.9	89.1	89.2	89.2	89.5	89.5	89.5	89.5
700	17.6	79.6	83.6	86.9	88.6	89.4	89.7	89.8	89.8	90.1	90.2	90.2	90.4	90.4	90.4	90.4
800	17.9	81.1	85.2	88.4	90.2	90.9	91.3	91.5	91.5	91.8	91.9	91.9	92.1	92.1	92.1	92.1
900	18.0	82.1	86.1	89.4	91.2	91.9	92.4	92.6	92.6	92.8	93.0	93.0	93.2	93.2	93.2	93.2
000	18.0	82.9	87.0	90.2	92.0	92.7	93.2	93.4	93.4	93.7	93.8	93.8	94.0	94.0	94.0	94.0
100	18.0	82.9	87.0	90.2	92.0	92.7	93.2	93.4	93.4	93.7	93.8	93.8	94.0	94.0	94.0	94.0
200	18.0	83.2	87.2	90.4	92.2	93.0	93.4	93.7	93.7	93.9	94.0	94.0	94.3	94.3	94.3	94.3
300	18.0	83.5	87.6	91.0	93.0	93.8	94.3	94.5	94.5	94.7	94.9	94.9	95.1	95.1	95.1	95.1
400	18.0	84.6	88.8	92.2	94.1	95.0	95.5	95.7	95.7	96.3	96.4	96.4	96.7	96.7	96.7	96.7
500	18.0	84.7	89.4	92.8	94.7	95.9	96.5	96.8	96.8	97.4	97.5	97.5	97.7	97.7	97.7	97.7
600	18.0	84.7	89.5	93.0	94.9	96.1	96.7	97.0	97.0	97.6	97.7	97.7	98.0	98.0	98.0	98.0
700	18.0	84.7	89.5	93.0	94.9	96.1	96.9	97.3	97.4	98.0	98.3	98.3	98.6	98.6	98.6	98.6
800	18.0	84.7	89.5	93.1	95.0	96.2	97.0	97.4	97.6	98.2	98.6	98.6	98.8	98.8	98.8	98.8
900	18.0	84.7	89.5	93.1	95.0	96.2	97.0	97.4	97.6	98.2	98.6	98.6	98.8	98.8	98.8	98.8
000	18.0	84.7	89.5	93.1	95.0	96.2	97.0	97.4	97.6	98.2	98.6	98.6	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 837

8  
2  
1

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

747750 TYNDALE AFB FL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATISTICAL															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	11.1	49.6	52.9	55.8	57.9	58.4	59.1	59.1	59.4	59.7	60.0	60.0	60.1	60.1	60.6	60.6
9000	11.9	56.6	60.3	63.3	65.5	65.9	66.8	66.9	67.1	67.5	67.7	67.7	67.9	68.0	68.5	68.5
8000	11.9	57.0	60.7	63.7	65.8	66.3	67.1	67.3	67.5	67.9	68.1	68.1	68.2	68.3	68.8	68.8
7000	12.1	57.3	61.2	64.2	66.3	66.8	67.6	67.7	68.0	68.3	68.6	68.6	68.7	68.8	69.3	69.3
6000	12.5	58.3	62.2	65.2	67.4	67.9	68.7	68.8	69.1	69.4	69.7	69.7	69.8	69.9	70.4	70.4
5000	13.0	60.2	64.2	67.1	69.3	69.8	70.7	70.8	71.1	71.4	71.7	71.7	71.9	72.0	72.5	72.5
4000	13.3	60.8	64.8	67.9	70.0	70.5	71.4	71.6	71.8	72.2	72.4	72.4	72.6	72.8	73.2	73.2
3000	13.7	63.7	67.6	70.7	73.4	73.8	74.8	74.9	75.3	75.6	75.9	75.9	76.1	76.2	76.7	76.7
2000	13.7	64.2	68.2	71.3	74.0	74.4	75.4	75.5	75.9	76.2	76.5	76.5	76.7	76.8	77.3	77.3
1000	13.7	64.3	68.3	71.4	74.1	74.6	75.5	75.6	76.0	76.3	76.6	76.6	76.8	76.9	77.4	77.4
000	13.9	64.8	68.5	71.6	74.2	74.7	75.6	75.7	76.2	76.6	76.8	76.8	77.1	77.2	77.7	77.7
4500	13.9	64.8	68.8	72.0	74.7	75.1	76.1	76.2	76.7	77.1	77.3	77.3	77.5	77.7	78.1	78.1
4000	13.9	65.5	69.7	73.0	75.7	76.2	77.2	77.3	77.8	78.1	78.4	78.4	78.6	78.7	79.2	79.2
3500	13.9	65.7	69.9	73.2	76.0	76.6	77.5	77.7	78.1	78.5	78.7	78.7	79.0	79.1	79.6	79.6
3000	13.9	66.9	71.1	74.7	77.4	78.1	79.2	79.3	79.8	80.3	80.5	80.5	80.8	80.9	81.4	81.4
2500	14.0	67.4	71.7	75.3	78.0	79.0	80.0	80.2	80.6	81.1	81.4	81.4	81.6	81.7	82.2	82.2
2000	14.0	68.2	72.5	76.1	78.9	79.8	80.9	81.0	81.5	82.0	82.2	82.2	82.4	82.6	83.0	83.0
1500	14.0	68.5	72.8	76.3	79.1	80.0	81.1	81.2	81.7	82.2	82.4	82.4	82.7	82.8	83.3	83.3
1000	14.0	70.4	74.8	78.7	81.6	82.7	83.8	84.0	84.5	84.9	85.2	85.2	85.4	85.5	86.2	86.1
000	14.5	72.2	76.7	80.6	83.5	84.7	85.8	86.0	86.5	87.0	87.3	87.3	87.6	87.7	88.2	88.4
4500	14.5	73.4	78.3	82.4	85.7	86.9	87.9	88.2	88.6	89.1	89.5	89.5	89.7	89.8	90.3	90.6
4000	14.6	73.8	78.7	83.0	86.4	87.6	88.6	88.9	89.4	90.1	90.4	90.4	90.7	90.8	91.3	91.5
3500	14.7	75.1	80.3	84.6	88.1	89.2	90.3	90.6	91.0	91.8	92.1	92.1	92.4	92.5	93.0	93.2
3000	14.7	75.1	80.3	84.8	88.3	89.5	90.7	90.9	91.4	92.1	92.5	92.5	92.7	92.8	93.3	93.5
2500	14.7	75.9	81.2	85.8	89.2	90.4	91.8	92.0	92.5	93.2	93.5	93.5	93.8	93.9	94.4	94.6
2000	14.7	76.1	81.5	86.1	89.7	90.9	92.2	92.5	93.0	93.7	94.0	94.0	94.3	94.4	94.9	95.1
1500	14.7	76.1	81.5	86.1	89.7	90.9	92.2	92.5	93.0	93.7	94.0	94.0	94.4	94.5	95.0	95.1
1000	14.7	76.1	81.5	86.1	89.8	91.3	92.7	93.1	93.5	94.3	94.6	94.6	95.0	95.1	95.6	96.2
000	14.7	76.1	81.5	86.1	89.8	91.4	92.8	93.3	93.8	94.5	95.2	95.2	95.6	96.1	96.5	97.6
4500	14.7	76.1	81.5	86.1	89.8	91.4	92.8	93.5	94.0	95.0	95.7	95.7	96.4	96.9	98.0	99.4
4000	14.7	76.1	81.5	86.1	89.8	91.4	92.8	93.5	94.0	95.0	95.7	95.7	96.4	96.9	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

747750 TYNDALE AFB FL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

2400-2400

CEILING	20	24	30	34	37	40	45	50	55	60	65	70	75	80	85	90	95	100
1000	12.1	48.5	53.9	56.2	57.5	57.5	57.7	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.9	58.9		
800	13.2	55.6	61.9	64.5	66.1	66.1	66.3	66.9	66.9	67.3	67.3	67.3	67.3	67.3	67.4	67.6	67.7	
600	13.0	55.6	61.9	64.5	66.1	66.1	66.3	66.9	66.9	67.3	67.3	67.3	67.3	67.3	67.4	67.6	67.7	
400	13.0	55.6	61.9	64.5	66.1	66.1	66.3	66.9	66.9	67.3	67.3	67.3	67.3	67.3	67.4	67.6	67.7	
200	14.0	57.7	64.3	66.9	68.5	68.5	68.7	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.8	70.0	70.1	
100	15.3	62.4	68.9	71.6	73.1	73.1	73.4	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.4	74.7	74.8	
75	15.3	62.7	69.4	72.0	73.6	73.6	73.8	74.4	74.4	74.8	74.8	74.8	74.8	74.8	74.9	75.1	75.3	
50	15.5	65.4	72.2	74.8	76.6	76.6	76.8	77.4	77.4	77.8	77.8	77.8	77.8	77.9	78.1	78.3		
25	15.5	66.1	73.1	75.9	77.7	77.7	77.9	78.5	78.5	78.9	78.9	78.9	78.9	78.9	79.0	79.2	79.3	
15	15.7	66.2	73.2	76.0	77.8	77.8	78.0	78.6	78.6	79.0	79.0	79.0	79.0	79.1	79.3	79.5		
10	15.7	66.5	73.6	76.3	78.1	78.3	78.5	79.1	79.1	79.5	79.6	79.6	79.6	79.7	79.9	80.0		
7.5	15.7	67.3	74.3	77.2	79.0	79.1	79.3	79.9	79.9	80.3	80.4	80.4	80.4	80.4	80.5	80.8	80.9	
5	15.8	67.9	75.1	78.0	80.0	80.2	80.4	81.0	81.0	81.4	81.5	81.5	81.5	81.5	81.6	81.8	82.0	
2.5	15.8	68.7	76.1	79.1	81.1	81.2	81.5	82.1	82.1	82.4	82.6	82.6	82.6	82.6	82.7	82.9	83.0	
1.5	15.8	69.7	77.5	80.5	82.6	82.7	82.9	83.5	83.5	83.9	84.0	84.0	84.0	84.0	84.1	84.3	84.5	
1	15.8	70.3	78.1	81.1	83.2	83.3	83.6	84.2	84.2	84.6	84.7	84.7	84.7	84.7	84.8	85.1	85.2	
0.75	15.9	71.9	79.9	82.9	84.9	85.1	85.4	86.0	86.1	86.5	86.6	86.6	86.6	86.6	86.7	87.0	87.1	
0.5	15.9	72.2	80.2	83.2	85.2	85.3	85.8	86.4	86.5	86.9	87.0	87.0	87.0	87.0	87.1	87.3	87.5	
0.25	16.0	73.7	81.8	85.3	87.5	87.6	88.1	88.6	88.8	89.1	89.2	89.2	89.2	89.2	89.4	89.6	89.7	
0.15	16.1	75.1	83.5	87.0	89.1	89.2	90.0	90.6	90.7	91.0	91.3	91.3	91.3	91.4	91.6	91.8		
0.1	16.6	76.2	85.1	88.8	90.9	91.0	91.9	92.6	92.7	93.1	93.3	93.3	93.3	93.4	93.7	93.8		
0.075	16.6	76.7	85.5	89.2	91.5	91.6	92.5	93.2	93.3	93.7	93.9	93.9	93.9	94.0	94.3	94.4		
0.05	16.6	77.2	86.0	89.8	92.2	92.6	93.4	94.1	94.3	94.6	94.9	94.9	94.9	95.0	95.2	95.3		
0.025	16.6	77.3	86.3	90.1	92.5	92.8	93.7	94.5	94.6	95.0	95.2	95.2	95.2	95.3	95.6	95.7		
0.015	16.6	77.5	86.7	90.6	93.2	93.5	94.4	95.2	95.5	95.8	96.1	96.1	96.1	96.2	96.4	96.5		
0.01	16.6	78.0	87.5	91.4	94.1	94.5	95.5	96.3	96.5	96.9	97.3	97.3	97.3	97.4	97.6	97.7		
0.0075	16.6	78.0	87.5	91.8	94.6	95.0	96.1	97.0	97.3	97.6	98.1	98.1	98.1	98.2	98.6	98.7		
0.005	16.6	78.0	87.5	91.8	94.6	95.0	96.1	97.1	97.4	97.8	98.3	98.4	98.4	98.6	98.7	99.0	99.4	
0.0025	16.6	78.0	87.5	91.8	94.6	95.0	96.1	97.1	97.4	97.8	98.3	98.4	98.6	98.7	99.0	99.8		
0.0015	16.6	78.0	87.5	91.8	94.6	95.0	96.1	97.1	97.4	97.8	98.3	98.4	98.6	98.7	99.0	99.8		
0.001	16.6	78.0	87.5	91.8	94.6	95.0	96.1	97.1	97.4	97.8	98.3	98.4	98.6	98.7	99.0	99.8		

TOTAL NUMBER OF OBSERVATIONS 837

0  
2  
1  
GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

74775 TYNDALE AFB FL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATISTICS															
	20	26	31	34	37	40	43	46	49	52	55	58	61	64	67	70
1- 500	19.2	61.1	63.3	63.8	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2- 500	21.6	71.9	74.9	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
1- 400	21.7	72.0	75.0	75.5	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
2- 400	22.0	72.3	75.3	75.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
1- 300	22.2	72.8	75.7	76.2	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2- 300	22.8	74.3	77.3	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
1- 200	23.9	78.1	81.1	81.7	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
2- 200	23.9	78.6	81.6	82.2	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
1- 100	24.4	81.1	84.2	84.8	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2- 100	24.5	81.7	85.1	85.7	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
1- 000	24.6	82.1	85.4	86.0	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2- 000	24.6	82.9	86.4	87.0	87.1	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
1- 400	24.6	83.2	86.6	87.2	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2- 400	24.6	84.3	87.9	88.5	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1- 300	24.6	85.3	88.9	89.5	89.6	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2- 300	24.7	86.9	90.4	91.0	91.3	91.5	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
1- 200	24.7	87.7	91.4	92.0	92.2	92.6	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2- 200	25.0	89.1	93.1	93.7	94.3	94.6	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
1- 100	25.0	89.4	93.3	93.9	94.5	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2- 100	25.1	90.3	94.4	95.1	95.8	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1- 000	25.1	90.8	95.2	95.9	96.7	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2- 000	25.2	91.3	95.8	96.5	97.3	97.6	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1- 900	25.2	91.4	95.9	96.7	97.4	97.8	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2- 900	25.2	91.5	96.2	96.9	97.6	98.1	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1- 700	25.2	91.6	96.3	97.0	97.8	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2- 700	25.2	92.0	96.7	97.5	98.3	98.8	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1- 500	25.2	92.1	96.8	97.6	98.4	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2- 500	25.2	92.1	96.9	97.7	98.6	99.0	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1- 300	25.2	92.1	96.9	97.7	98.6	99.0	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2- 300	25.2	92.1	96.9	97.7	98.6	99.0	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1- 100	25.2	92.1	96.9	97.7	98.6	99.0	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
2- 100	25.2	92.1	96.9	97.7	98.6	99.0	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 337

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

747750 TYNDALL AFB FL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5
1000	24.3	64.5	66.4	66.9	66.9	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
800	25.4	74.6	77.1	77.7	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
600	25.4	74.9	77.4	78.0	78.0	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
400	25.6	75.0	77.5	78.1	78.1	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
200	25.8	75.3	77.9	78.6	78.6	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
100	25.9	77.5	80.2	80.9	80.9	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
50	26.9	81.0	83.6	84.3	84.3	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
30	26.9	81.2	83.9	84.6	84.6	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
15	27.5	82.7	85.3	86.0	86.0	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
10	27.6	83.3	85.9	86.7	86.7	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
5	27.6	83.6	86.3	87.1	87.1	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
3	27.6	84.2	87.2	88.1	88.1	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2	27.6	84.7	87.7	88.5	88.5	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1	28.1	86.0	89.1	90.2	90.3	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
0.5	28.0	86.5	89.6	90.7	90.8	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
0.25	28.2	87.9	91.5	92.7	93.2	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
0.15	28.3	88.5	92.1	93.4	93.9	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
0.1	28.3	88.9	92.5	94.0	94.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
0.075	28.3	89.1	92.7	94.3	95.0	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
0.05	28.6	90.0	93.8	95.5	96.2	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0.0375	28.8	90.6	94.6	96.4	97.1	97.7	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0.025	28.8	90.6	94.9	96.7	97.4	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0.015	28.8	90.6	94.9	96.7	97.4	98.0	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.01	28.8	90.7	95.1	96.9	97.6	98.2	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0.0075	28.8	90.8	95.2	97.1	97.8	98.4	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.005	28.8	91.0	95.5	97.4	98.1	98.7	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0.0025	28.8	91.0	95.5	97.4	98.1	98.7	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.0015	28.8	91.0	95.5	97.4	98.1	98.7	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.001	28.8	91.0	95.5	97.4	98.1	98.7	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.00075	28.8	91.0	95.5	97.4	98.1	98.7	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0005	28.8	91.0	95.5	97.4	98.1	98.7	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 837





0  
2  
1

FEDERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

**CEILING VERSUS VISIBILITY**

1977 TYNDALL AFB FL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

18.2	59.9	62.0	62.6	62.8	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
27.4	71.8	75.3	75.9	75.2	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
20.5	71.9	75.1	76.0	76.3	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
20.7	72.0	75.3	76.1	76.5	76.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
20.7	72.6	76.0	76.8	77.2	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
21.1	74.7	78.0	78.9	79.2	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
22.1	78.6	82.0	82.9	83.3	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
22.1	80.2	83.5	84.5	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
22.2	82.7	86.0	87.0	87.3	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
22.2	83.9	87.2	88.2	88.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
22.2	84.7	87.3	88.3	88.6	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
22.2	84.9	88.5	89.5	89.8	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
22.3	85.8	89.5	90.4	90.8	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
22.3	86.3	90.0	90.9	91.3	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
22.3	86.6	90.3	91.3	91.6	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
22.7	87.8	91.6	92.6	93.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
22.7	88.2	92.1	93.2	93.5	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
23.2	89.1	93.1	94.1	94.5	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
23.2	89.5	93.4	94.5	94.9	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
23.5	90.4	94.5	95.6	95.9	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
23.5	91.0	95.1	96.2	96.5	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
23.5	91.5	95.8	96.9	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
23.5	91.6	95.9	97.0	97.4	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
23.5	91.9	96.2	97.3	97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
23.5	92.1	96.4	97.5	98.0	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
23.5	92.2	96.5	97.8	98.3	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
23.5	92.2	96.5	97.8	98.3	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
23.5	92.2	96.5	97.8	98.3	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
23.5	92.2	96.5	97.8	98.3	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
23.5	92.2	96.5	97.8	98.3	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 437

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATTN: WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

74770 TYNDALL AFB FL

73-91

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2100

CEILING	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
18.4	66.1	67.6	69.8	70.1	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
19.2	71.8	73.4	75.5	75.9	76.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
19.2	72.0	73.6	75.7	76.1	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
19.2	72.0	73.6	75.7	76.1	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
19.2	72.3	73.8	76.0	76.3	76.7	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
19.5	72.9	74.4	76.6	77.1	77.4	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
20.0	76.5	78.1	80.3	80.8	81.1	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
20.0	77.1	78.7	80.9	81.4	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
20.3	79.6	81.4	83.5	84.0	84.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
20.3	80.8	82.6	84.7	85.2	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
20.3	81.2	83.0	85.2	85.7	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
20.3	82.0	83.8	85.9	86.4	86.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
20.7	82.8	84.9	87.0	87.5	87.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
20.8	83.5	85.7	87.8	88.3	88.8	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
20.8	83.8	85.9	88.1	88.5	89.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
21.0	86.3	88.5	90.7	91.2	91.6	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
21.3	87.1	89.5	91.6	92.1	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
21.4	87.5	89.8	92.0	92.6	93.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
21.4	87.6	90.0	92.1	92.7	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
21.7	88.8	91.2	93.3	94.0	94.5	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
22.0	89.6	92.0	94.4	95.1	95.6	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
22.0	90.3	93.1	95.5	96.2	96.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
22.0	90.4	93.2	95.6	96.3	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
22.0	90.4	93.2	95.6	96.3	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
22.0	90.6	93.3	95.7	96.4	96.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
22.0	91.2	94.0	96.4	97.1	97.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
22.0	91.5	94.5	96.9	97.6	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
22.0	91.6	94.6	97.0	97.7	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
22.0	91.6	94.6	97.0	97.7	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
22.0	91.6	94.6	97.0	97.7	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
22.0	91.6	94.6	97.0	97.7	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
22.0	91.6	94.6	97.0	97.7	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
22.0	91.6	94.6	97.0	97.7	98.3	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 837

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81 TYNDALE AFB FL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

17.3	58.7	61.4	63.0	63.7	63.9	64.2	64.3	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.6
18.9	67.7	70.2	72.6	73.3	73.6	73.9	74.0	74.1	74.2	74.2	74.2	74.3	74.3	74.4	74.4	74.4
19.0	67.9	71.1	72.8	73.5	73.8	74.1	74.3	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.6	74.6
19.1	68.0	71.3	72.9	73.7	74.0	74.3	74.4	74.4	74.6	74.6	74.6	74.7	74.7	74.8	74.8	74.8
19.2	68.4	71.7	73.4	74.2	74.5	74.8	74.9	75.0	75.1	75.1	75.1	75.2	75.2	75.3	75.3	75.3
19.6	72.0	73.4	75.1	75.9	76.2	76.5	76.6	76.7	76.8	76.8	76.8	76.9	76.9	77.0	77.0	77.0
20.4	73.4	76.8	78.6	79.3	79.6	79.9	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.4	80.5	80.5
20.5	74.2	77.4	79.2	80.0	80.2	80.6	80.7	80.8	80.9	80.9	80.9	81.0	81.0	81.1	81.1	81.1
20.8	76.3	79.8	81.6	82.5	82.8	83.2	83.3	83.4	83.5	83.5	83.5	83.6	83.6	83.7	83.7	83.7
20.9	77.0	80.6	82.5	83.4	83.7	84.2	84.2	84.3	84.4	84.4	84.4	84.5	84.5	84.6	84.6	84.6
20.9	77.3	80.8	82.7	83.6	83.9	84.3	84.4	84.5	84.6	84.6	84.6	84.7	84.7	84.8	84.8	84.8
20.9	77.9	81.6	83.5	84.4	84.7	85.1	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.6	85.6	85.7
21.0	78.5	82.2	84.1	85.0	85.4	85.8	85.9	86.0	86.1	86.1	86.1	86.2	86.2	86.3	86.3	86.3
21.1	79.4	83.2	85.2	86.2	86.5	86.9	87.1	87.1	87.2	87.3	87.3	87.4	87.4	87.5	87.5	87.5
21.1	80.0	83.9	85.8	86.8	87.2	87.6	87.7	87.8	87.9	87.9	87.9	88.0	88.0	88.1	88.1	88.1
21.3	81.5	85.6	87.6	88.7	89.1	89.5	89.6	89.7	89.8	89.9	89.9	90.0	90.0	90.1	90.1	90.1
21.4	82.1	86.3	88.3	89.4	89.9	90.3	90.5	90.5	90.7	90.7	90.7	90.8	90.8	90.9	90.9	90.9
21.5	83.0	87.2	89.3	90.4	90.9	91.3	91.5	91.6	91.7	91.8	91.8	91.8	91.9	92.0	92.0	92.0
21.5	83.3	87.5	89.6	90.7	91.2	91.7	91.8	91.9	92.0	92.1	92.1	92.2	92.2	92.3	92.3	92.3
21.8	84.5	88.8	91.0	92.3	92.8	93.2	93.4	93.5	93.7	93.7	93.7	93.8	93.8	93.9	93.9	93.9
21.9	85.4	89.8	92.1	93.4	93.9	94.4	94.6	94.7	94.8	94.9	94.9	95.0	95.0	95.1	95.1	95.2
22.0	86.0	90.7	93.1	94.3	94.8	95.4	95.6	95.7	95.9	96.0	96.0	96.0	96.0	96.1	96.2	96.2
22.0	86.2	90.9	93.2	94.5	95.1	95.6	95.9	96.0	96.2	96.3	96.3	96.3	96.3	96.4	96.5	96.5
22.0	86.5	91.2	93.6	95.0	95.5	96.1	96.4	96.5	96.7	96.8	96.8	96.8	96.9	97.0	97.0	97.0
22.0	86.6	91.4	93.9	95.2	95.8	96.4	96.7	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3	97.3
22.0	87.1	91.9	94.4	95.8	96.4	97.0	97.3	97.4	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0
22.0	87.2	92.2	94.7	96.1	96.8	97.4	97.7	97.8	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5
22.0	87.2	92.2	94.8	96.3	97.0	97.7	98.1	98.3	98.6	98.9	98.9	99.1	99.1	99.3	99.3	99.3
22.0	87.2	92.2	94.8	96.3	97.0	97.7	98.1	98.3	98.6	98.9	98.9	99.1	99.1	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 6696

8  
2

FEDERAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04775 TYNDALL AFB FL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

2025-2200

19.3	70.9	73.7	76.0	77.0	77.7	77.9	77.9	77.9	77.9	77.9	77	9	77.9	77.9	77.9
19.4	77.2	79.9	82.2	83.6	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
19.4	77.2	80.0	82.3	83.7	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
19.5	77.3	80.1	82.5	83.8	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
19.5	77.7	80.5	82.8	84.2	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
19.9	79.4	82.2	84.9	86.3	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
20.0	81.6	84.4	87.2	88.5	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
20.0	82.0	84.8	87.5	88.9	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
20.4	83.2	86.0	88.8	90.1	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
20.6	84.2	87.0	89.8	91.1	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
20.6	84.2	87.0	89.8	91.1	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
20.6	84.7	87.5	90.2	91.6	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
21.0	85.1	87.9	90.6	92.0	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
21.1	85.3	88.1	90.9	92.2	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
21.4	85.9	88.8	91.5	92.8	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
21.7	87.7	90.7	93.5	94.8	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
21.7	88.3	91.5	94.3	95.7	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
21.7	88.6	91.9	94.7	96.0	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
21.7	88.6	91.9	94.7	96.0	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
21.7	89.9	93.2	96.0	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
21.7	90.1	93.7	96.5	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
21.7	90.6	94.2	97.0	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
21.7	90.6	94.2	97.0	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
21.7	90.6	94.3	97.2	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.7	90.7	94.4	97.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 810

LOCAL CLIMATOLOGY BRANCH  
 WAFB/TAC  
 METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81 TYNALL AFB FL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0300-0500

14.7	61.4	64.4	66.9	69.6	69.9	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
16.3	69.3	73.7	76.2	79.1	79.4	79.9	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
16.3	69.3	73.7	76.2	79.1	79.4	79.9	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
16.3	69.4	73.8	76.3	79.3	79.5	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
16.3	72.0	76.4	79.0	82.0	82.2	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
16.3	74.9	79.4	82.0	85.2	85.4	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
16.3	75.1	79.5	82.1	85.3	85.6	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
17.4	77.3	81.8	84.1	87.3	87.5	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	88.1
17.7	77.7	82.1	84.7	87.9	88.1	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
17.7	77.7	82.1	84.7	87.9	88.1	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
17.7	77.7	82.1	84.7	87.9	88.1	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
17.8	78.7	80.8	85.1	88.3	88.5	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
17.9	78.5	83.0	85.6	88.8	89.0	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
17.9	78.9	83.3	85.9	89.1	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
18.1	80.5	85.1	87.8	91.1	91.4	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
18.3	81.2	86.0	89.0	92.3	92.6	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
18.3	83.0	87.9	90.9	94.3	94.6	95.1	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
18.6	83.0	88.0	91.0	94.4	94.7	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
18.7	84.0	89.1	92.3	95.8	96.2	96.8	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
18.7	84.6	89.0	93.2	96.7	97.0	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
18.7	84.9	89.4	93.6	97.0	97.4	98.0	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
18.7	85.1	90.5	93.7	97.2	97.5	98.1	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
18.7	85.1	90.5	93.7	97.2	97.5	98.1	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
18.7	85.1	90.5	93.7	97.2	97.5	98.1	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
18.7	85.6	91.0	94.2	97.7	98.0	98.6	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
18.7	85.6	91.0	94.2	97.7	98.0	98.6	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
18.7	85.6	91.0	94.2	97.7	98.0	98.6	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
18.7	85.7	91.1	94.3	97.9	98.3	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
18.7	85.7	91.1	94.3	97.9	98.3	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
18.7	85.7	91.1	94.3	97.9	98.3	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
18.7	85.7	91.2	94.4	98.0	98.4	99.0	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
18.7	85.7	91.2	94.4	98.0	98.4	99.0	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
18.7	85.7	91.2	94.4	98.0	98.4	99.0	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
18.7	85.7	91.2	94.4	98.0	98.4	99.0	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

TOTAL NUMBER OF OBSERVATIONS 310

FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

140750 TYNDALL AFB FL

73-81

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1600-0600

14.7	58.8	62.3	64.3	65.8	66.3	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
16.3	66.7	70.5	72.6	74.2	74.7	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
16.3	66.7	70.5	72.6	74.2	74.7	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
16.3	66.7	70.5	72.6	74.2	74.7	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
16.9	68.0	71.9	74.0	75.6	76.0	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
17.3	70.5	74.5	76.7	78.3	78.8	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
17.9	74.2	76.5	80.7	82.5	83.0	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
17.9	74.7	79.1	81.5	83.2	83.7	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
18.0	77.4	82.0	84.3	86.0	86.5	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
18.0	78.8	83.3	85.7	87.4	87.9	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
18.0	78.9	83.5	85.8	87.5	88.0	88.5	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
18.0	79.5	84.1	86.4	88.1	88.6	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
18.1	79.9	84.4	86.8	88.5	89.0	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
18.1	81.0	84.6	86.9	88.6	89.1	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
18.1	81.5	85.1	87.4	89.1	89.6	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
18.1	82.5	87.0	89.5	91.2	91.9	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
18.4	83.2	88.0	90.5	92.2	92.8	93.3	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7
18.4	84.1	89.1	91.6	93.3	94.0	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9
18.4	84.2	89.5	92.0	93.8	94.4	94.9	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4
18.6	85.3	90.6	93.3	95.2	95.1	96.3	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
18.6	85.9	91.5	94.2	96.0	96.7	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.7
18.8	86.7	91.7	94.6	96.5	97.2	97.9	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
18.8	86.5	92.2	95.1	97.2	97.8	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
18.8	86.5	92.2	95.1	97.2	97.8	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
18.8	86.5	92.2	95.2	97.3	97.9	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
18.8	86.5	92.2	95.2	97.4	98.0	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.3
18.8	86.5	92.3	95.3	97.5	98.1	98.9	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
18.8	86.5	92.5	95.4	97.7	98.3	99.0	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9
18.8	86.5	92.5	95.4	97.8	98.4	99.1	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8
18.8	86.5	92.5	95.4	97.8	98.4	99.1	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8
18.8	86.5	92.5	95.4	97.8	98.4	99.1	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7355 TYNDALL AFB FL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1950-1155

16.7	67.9	77.9	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
20.4	78.5	81.9	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
20.5	78.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
20.5	79.0	82.5	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
20.7	80.1	83.6	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
21.1	82.7	86.2	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
21.5	84.8	88.3	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
21.5	85.2	88.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
21.7	86.3	89.8	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
21.7	88.0	91.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
21.9	88.1	91.7	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
21.9	88.5	92.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
22.0	88.6	92.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
22.0	88.8	92.3	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
22.1	88.9	92.5	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
22.1	89.7	94.6	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
22.5	92.3	96.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
22.5	93.0	96.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
22.5	93.1	97.2	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
22.7	93.5	97.5	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
22.7	93.8	97.9	99.1	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
22.7	94.2	98.3	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
22.7	94.2	98.3	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
22.7	94.2	98.3	99.6	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
22.7	94.2	98.3	99.6	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
22.7	94.2	98.3	99.6	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
22.7	94.2	98.3	99.6	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
22.7	94.2	98.3	99.6	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
22.7	94.2	98.3	99.6	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
22.7	94.2	98.3	99.6	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810



0  
2  
SERIAL CLIMATOLOGY BRANCH  
AF SAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81 TNDALL AFB FL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

16.8	66.3	68.3	69.4	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	69.5
20.2	78.8	81.2	82.5	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
20.4	78.9	81.4	82.6	82.6	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
20.4	79.1	81.6	82.8	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
20.5	79.6	82.1	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
20.9	83.0	85.4	86.7	86.7	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
22.5	85.7	88.1	89.4	89.4	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
22.5	86.2	88.6	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
22.6	88.1	90.6	91.9	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	92.2
22.7	89.0	91.5	92.7	92.7	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	93.1
22.7	89.0	91.5	92.7	92.7	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	93.1
23.0	89.9	92.3	93.6	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
23.0	89.9	92.3	93.6	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
23.0	90.1	92.6	93.8	93.8	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
23.0	90.6	93.2	94.4	94.4	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	94.9
23.5	93.1	96.0	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
23.6	93.7	96.7	97.9	97.9	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
23.6	94.1	97.0	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	99.0	99.0	99.0
23.6	94.2	97.2	98.5	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
23.6	94.3	97.3	98.6	98.8	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
23.6	94.7	97.7	99.0	99.1	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
23.6	94.7	97.7	99.0	99.1	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
23.6	94.7	97.7	99.0	99.1	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
23.6	94.7	97.7	99.0	99.1	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
23.6	94.7	97.7	99.0	99.1	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
23.6	94.7	97.7	99.0	99.1	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
23.6	94.7	97.7	99.0	99.1	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
23.6	94.7	97.7	99.0	99.1	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
23.6	94.7	97.7	99.0	99.1	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 110

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION TYNDALL AFB FL

73-81

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

14.5	55.8	57.3	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
19.6	76.2	79.6	81.1	81.4	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
19.8	76.8	80.2	81.7	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
20.1	77.8	81.4	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
20.2	80.1	83.7	85.4	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
21.1	83.8	87.4	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
21.1	83.8	87.5	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
21.1	85.8	89.5	91.4	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	91.7
21.1	86.3	90.0	91.9	92.1	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
21.1	86.4	90.1	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
21.1	87.3	91.0	92.8	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
21.1	87.5	91.2	93.1	93.3	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
21.2	87.8	91.5	93.5	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
21.2	88.3	92.0	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7
21.4	91.2	94.2	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
21.6	91.5	95.4	97.7	98.0	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4
21.6	92.2	96.2	98.4	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
21.7	92.3	96.3	98.5	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3
21.7	92.6	96.5	98.8	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
21.7	92.8	96.8	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
21.7	92.8	96.8	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
21.7	92.8	96.8	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
21.7	92.8	96.8	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
21.7	92.8	96.8	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
21.7	92.8	96.8	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
21.7	92.8	96.8	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
21.7	92.8	96.8	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

747750 TYNDALL AFB FL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

15.2	58.9	61.5	62.6	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
18.5	76.3	80.0	81.4	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
18.6	76.8	80.5	81.9	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
18.6	76.9	80.6	82.0	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
18.6	77.8	81.5	82.8	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	84.0
19.0	79.4	83.1	84.4	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	85.6
19.8	82.7	86.7	88.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
19.8	82.8	86.9	88.4	89.4	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
20.5	86.0	90.2	91.7	92.8	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	93.2
20.9	87.4	91.7	93.2	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
20.9	87.7	92.0	93.5	94.6	94.7	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
20.9	88.0	92.3	93.8	94.9	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	95.3
20.9	88.1	92.5	94.0	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
20.9	88.5	92.8	94.4	95.7	95.8	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
20.9	88.8	93.3	94.9	96.2	96.3	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
20.9	89.4	94.0	95.6	96.8	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
21.0	89.9	94.6	96.4	97.7	97.8	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
21.1	90.5	95.2	97.0	98.3	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
21.1	90.5	95.2	97.0	98.3	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
21.1	91.0	95.7	97.7	99.1	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
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21.1	91.4	96.0	98.0	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

1  
2  
1

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73750 TYNDALL AFB FL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

18.6	73.1	75.3	75.9	76.4	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
20.1	81.7	84.2	84.8	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
20.1	81.9	84.3	84.9	85.8	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
20.1	82.0	84.4	85.1	85.9	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
20.4	83.0	85.4	86.0	86.9	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
20.7	83.8	86.5	87.3	88.1	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
21.2	85.2	87.9	88.8	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
21.2	85.6	88.3	89.1	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
21.9	87.0	89.8	90.9	91.7	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
21.9	87.8	90.5	91.6	92.5	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
21.9	87.9	91.6	91.7	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
22.1	89.3	92.7	93.1	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
22.2	89.4	92.1	93.2	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
22.2	89.5	92.2	93.3	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
22.2	89.9	92.7	93.8	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
22.5	91.0	94.2	95.3	96.2	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
23.0	92.1	95.3	96.4	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
23.0	92.3	95.7	96.8	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
23.0	92.3	95.7	96.8	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
23.0	93.3	96.8	97.9	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
23.0	94.0	97.4	98.5	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
23.0	94.0	97.4	98.5	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
23.0	94.0	97.4	98.5	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
23.0	94.1	97.5	98.6	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.0	94.1	97.5	98.6	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.0	94.1	97.5	98.6	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.0	94.1	97.5	98.6	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.0	94.1	97.5	98.6	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.0	94.1	97.5	98.6	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.0	94.1	97.5	98.6	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.0	94.1	97.5	98.6	99.5	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 810

2

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

74757 TYNDALL AFB FL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING	20	24	25	24	21	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
16.2	64.0	66.7	68.2	69.0	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
18.9	75.6	78.9	80.4	81.4	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	81.9	81.9	81.9	81.9	81.9	81.9	81.9	
18.9	75.7	79.0	80.6	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	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	
18.9	75.9	79.2	80.8	81.8	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	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
19.1	76.7	80.0	81.6	82.6	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	83.1	83.1	83.1	83.1	83.1	83.1	83.1	
19.5	78.9	82.3	83.9	84.9	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	85.4	85.4	85.4	85.4	85.4	85.4	85.4	
20.1	81.6	85.1	86.8	87.9	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	
20.1	81.9	85.4	87.2	88.2	88.5	88.7	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	88.8	88.8	88.8	88.8	88.8	
20.4	83.9	87.4	89.2	90.3	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	
20.6	84.9	88.5	90.3	91.3	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	
20.6	85.0	88.6	90.4	91.4	91.7	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	92.0	92.0	92.0	92.0	92.0	92.0	
20.6	85.6	89.2	91.0	92.0	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
20.8	85.8	89.4	91.2	92.3	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	
20.8	86.1	89.6	91.5	92.6	92.9	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	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
20.8	86.5	90.1	92.0	93.1	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	
21.0	88.1	92.0	93.9	95.0	95.3	95.5	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	95.6	95.6	95.6	95.6	95.6	
21.3	89.0	93.0	94.9	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
21.3	89.7	93.7	95.7	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
21.3	89.8	93.9	95.9	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
21.4	90.5	94.6	96.7	97.9	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
21.4	90.9	95.1	97.2	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
21.5	91.1	95.3	97.4	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
21.5	91.2	95.4	97.5	98.8	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
21.5	91.2	95.4	97.5	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
21.5	91.3	95.5	97.6	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	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
21.5	91.3	95.5	97.6	98.9	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	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
21.5	91.3	95.5	97.6	98.9	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	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
21.5	91.3	95.5	97.7	99.0	99.3	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	99.7	99.7	99.7	99.7	99.7	
21.5	91.3	95.5	97.7	99.0	99.3	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	99.7	99.7	99.7	99.7	99.7	
21.5	91.3	95.6	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
21.5	91.3	95.6	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
21.5	91.3	95.6	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	

TOTAL NUMBER OF OBSERVATIONS 6480

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

747750 TYNDALE AFB FL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0309-0200

0.7	65.6	69.5	71.3	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
10.9	77.8	82.4	84.3	84.8	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
10.9	77.8	82.4	84.3	84.8	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
10.9	78.0	82.7	84.6	85.1	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
10.9	79.9	84.8	86.7	87.2	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
11.4	82.2	87.1	89.1	89.6	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
11.5	82.3	87.2	89.2	89.7	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
11.6	84.8	89.7	91.8	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
11.6	85.3	90.4	92.5	93.0	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
11.6	85.5	90.7	92.7	93.2	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
11.6	85.5	90.7	92.7	93.2	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
11.6	85.9	91.0	93.1	93.5	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
11.6	86.3	91.4	93.4	94.0	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
11.6	87.7	93.1	95.1	95.7	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
11.9	88.9	94.3	96.5	97.4	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0
12.1	89.4	94.9	97.1	98.1	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
12.1	89.4	94.9	97.1	98.1	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
12.1	89.7	95.3	97.6	98.6	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
12.1	89.8	95.5	97.7	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
12.1	89.8	95.5	97.7	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8
12.1	89.8	95.5	97.7	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8
12.1	89.8	95.5	97.7	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8
12.1	89.8	95.5	97.7	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8
12.1	89.8	95.5	97.7	98.9	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8
12.1	89.8	95.5	97.7	98.9	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8
12.1	89.8	95.5	97.7	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
12.1	89.8	95.5	97.7	99.0	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
12.1	89.8	95.5	97.7	99.0	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
12.1	89.8	95.5	97.7	99.0	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-750 TYNDALL AFB FL

73-61

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

7.2	58.7	64.8	67.3	69.5	70.0	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
7.5	68.8	75.7	78.6	81.2	81.8	82.3	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
7.5	68.8	75.7	78.6	81.2	81.8	82.3	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
7.5	69.1	76.0	78.9	81.6	82.2	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
7.8	71.1	78.0	81.1	84.0	84.6	85.1	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
8.5	74.4	81.6	84.7	87.6	88.2	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
8.5	74.6	81.7	84.8	87.7	88.3	88.7	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
8.5	76.5	84.0	87.1	90.1	90.7	91.2	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
8.6	76.9	84.5	87.6	90.6	91.2	91.6	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
8.6	76.9	84.6	87.7	90.7	91.3	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
8.6	77.1	84.9	87.9	91.0	91.6	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
8.6	77.1	84.8	87.9	91.0	91.6	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
8.6	77.3	85.3	88.4	91.5	92.1	92.7	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
8.6	77.7	85.7	88.8	91.9	92.5	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
8.7	78.9	86.9	90.1	93.2	93.8	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
8.7	79.9	88.1	91.6	94.7	95.5	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
8.7	80.5	88.8	92.4	95.7	96.4	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
8.7	80.5	88.9	93.0	96.3	97.0	97.8	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
8.7	80.6	89.1	93.2	96.5	97.3	98.1	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
8.7	80.6	89.1	93.2	96.7	97.4	98.2	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
8.7	80.6	89.4	93.4	96.9	97.6	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
8.7	80.6	89.4	93.4	96.9	97.6	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
8.7	80.6	89.4	93.4	97.0	97.7	98.6	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
8.7	80.6	89.4	93.5	97.3	98.0	98.8	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
8.7	80.6	89.4	93.5	97.5	98.2	99.0	99.3	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8.7	80.6	89.4	93.5	97.5	98.2	99.0	99.3	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8.7	80.6	89.4	93.5	97.5	98.2	99.0	99.3	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

747751 TYNDALL AFB FL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1600-2000

5.3	5.8	55.7	58.3	60.3	60.6	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
6.6	63.3	69.2	72.0	74.4	74.8	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
6.6	63.3	69.2	72.0	74.4	74.8	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
6.6	63.3	69.2	72.0	74.4	74.8	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
6.6	63.8	69.7	72.5	75.0	75.4	75.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
7.4	67.3	73.4	76.3	78.9	79.2	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
8.2	70.0	76.6	79.9	82.7	83.0	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
8.2	70.5	77.1	80.4	83.2	83.5	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
8.4	71.4	78.3	81.7	84.7	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
8.4	72.9	80.2	83.8	86.9	87.2	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
8.4	72.9	80.2	84.0	87.1	87.5	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
8.4	73.1	80.4	84.3	87.6	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
8.4	73.1	80.5	84.5	87.7	88.2	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
8.4	73.1	80.5	84.5	87.8	88.3	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
8.4	73.2	81.7	84.9	88.4	88.9	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
8.4	74.4	82.2	86.1	89.6	90.1	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
8.5	75.7	83.8	87.8	91.3	91.8	92.0	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
8.5	76.8	85.2	89.5	93.2	93.7	94.4	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
8.5	76.8	85.2	89.5	93.2	93.7	94.4	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
8.5	76.8	85.2	89.5	93.2	93.7	94.4	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
8.6	76.9	85.3	89.8	93.7	94.1	95.0	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
8.6	77.1	85.4	90.0	93.9	94.4	95.2	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
8.6	77.1	85.4	90.3	94.5	95.0	95.8	96.3	96.4	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
8.6	77.2	85.5	90.7	94.9	95.3	96.2	96.8	96.9	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
8.6	77.3	85.7	90.8	95.0	95.5	96.3	96.9	97.0	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
8.6	77.3	85.8	90.9	95.2	95.7	96.5	97.1	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
8.6	77.3	85.8	90.9	95.2	95.8	96.7	97.3	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
8.6	77.3	85.8	90.9	95.3	95.9	96.8	97.4	97.5	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
8.6	77.7	86.5	92.0	96.7	97.3	98.1	98.7	98.8	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
8.6	77.7	86.5	92.4	97.0	97.6	98.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
8.6	77.7	86.5	92.4	97.0	97.6	98.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
8.6	77.7	86.5	92.4	97.0	97.6	98.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 817



CENTRAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-31 TYNDALL AFB FL

73-31

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-1100

8.4	54.4	58.4	59.4	59.7	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
10.4	68.0	72.6	73.7	74.4	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
10.8	68.0	72.6	73.7	74.4	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
10.8	68.0	72.6	73.7	74.4	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
10.8	68.8	73.5	74.6	75.3	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
11.6	72.5	77.3	78.4	79.1	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
12.3	77.1	82.3	83.8	84.5	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
12.3	77.3	82.6	84.0	84.7	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
12.4	80.0	85.7	87.1	87.9	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
12.4	81.0	87.0	88.5	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
12.4	81.1	87.2	89.0	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
12.4	81.4	87.5	89.4	90.2	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
12.4	81.4	87.6	89.5	90.3	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
12.4	81.6	87.9	89.8	90.8	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
12.4	81.7	88.4	90.3	91.3	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
12.5	82.0	89.6	91.6	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
12.7	83.5	97.6	92.8	94.0	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
12.7	84.3	91.5	94.0	95.6	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
12.7	84.3	91.5	94.0	95.6	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
12.7	84.7	92.0	94.6	96.4	96.8	97.6	97.7	97.7	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
12.7	84.9	92.4	95.0	96.9	97.3	98.2	98.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
12.7	85.1	92.6	95.2	97.1	97.5	98.6	98.7	98.8	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2
12.7	85.1	92.6	95.3	97.3	97.6	98.7	98.8	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
12.7	85.1	92.6	95.3	97.3	97.6	98.7	98.8	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
12.7	85.1	92.6	95.3	97.3	97.6	98.7	98.8	98.9	99.2	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6
12.7	85.1	92.6	95.3	97.3	97.6	98.7	98.8	98.9	99.3	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8
12.7	85.1	92.6	95.3	97.3	97.6	98.7	98.8	98.9	99.3	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8
12.7	85.1	92.6	95.3	97.3	97.7	98.8	98.9	99.0	99.4	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9
12.7	85.1	92.6	95.3	97.3	97.7	98.8	98.9	99.0	99.4	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9
12.7	85.1	92.6	95.3	97.3	97.7	98.8	98.9	99.0	99.4	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0
12.7	85.1	92.6	95.3	97.3	97.7	98.8	98.9	99.0	99.4	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

74775 TYNDALL AFB FL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

11.5	50.7	53.4	55.2	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
12.3	66.9	70.6	72.4	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
12.3	67.3	71.0	72.8	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
12.3	67.3	71.2	72.8	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
12.3	67.9	71.6	73.4	73.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
12.7	71.4	75.3	77.1	77.5	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
13.4	75.9	80.0	82.2	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
13.4	76.2	80.2	82.3	82.8	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
13.7	78.4	82.9	85.3	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
14.0	80.8	85.7	88.1	88.5	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
14.0	81.1	86.1	88.6	89.1	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
14.1	81.8	87.1	89.6	90.1	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
14.1	81.8	87.1	90.0	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
14.1	82.2	87.5	90.7	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
14.1	82.3	87.7	91.0	91.9	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
14.1	84.2	90.0	93.9	94.9	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
14.1	85.4	91.3	95.2	96.2	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
14.1	86.1	92.2	96.5	97.6	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
14.1	86.1	92.2	96.5	97.6	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
14.1	86.1	92.2	96.5	97.6	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
14.1	86.3	92.5	96.8	98.0	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
14.1	86.3	92.6	96.9	98.3	98.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.1	86.3	92.8	97.1	98.6	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

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

# CEILING VERSUS VISIBILITY

12.2 TYNALL AFB FL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

41.6	45.4	48.2	41.6	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
41.5	71.2	72.9	73.2	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
63.8	71.6	73.2	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
66.3	72.7	73.7	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
66.7	72.5	74.2	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	74.8
66.8	74.9	76.6	76.9	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
74.4	81.4	83.2	83.6	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
74.8	81.7	83.5	84.0	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
77.9	85.2	87.2	87.7	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
77.3	87.8	89.8	90.3	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
81.5	88.1	90.1	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
81.8	91.1	92.1	92.7	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
81.6	91.1	92.1	92.7	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
82.7	92.4	92.8	93.4	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
82.3	91.7	93.4	94.0	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
83.3	92.7	95.2	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
83.8	92.3	95.9	96.5	96.9	97.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
84.6	94.5	97.1	97.7	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
84.6	94.5	97.1	97.7	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
84.6	94.5	97.4	98.0	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
84.8	94.7	97.7	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
84.8	94.7	97.7	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
84.8	94.7	97.7	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
84.8	94.7	97.7	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
84.8	94.7	97.7	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
84.9	94.9	97.8	99.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
84.9	94.9	97.8	99.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
84.9	94.9	97.8	99.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
84.9	94.9	97.8	99.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
84.9	94.9	97.8	99.0	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
84.9	94.9	97.8	99.0	99.4	99.5	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 817



# CEILING VERSUS VISIBILITY

2  
1

73-01

73-01

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1100-2100

60.7	61.7	64.6	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
11.5	74.9	79.3	81.0	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
11.5	74.9	79.3	81.0	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
11.5	74.9	79.3	81.0	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
10.5	75.5	79.9	81.3	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
10.5	77.2	82.0	84.0	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	84.6
11.1	81.8	87.7	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
11.2	82.2	87.6	89.7	90.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
11.5	85.1	90.4	92.6	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	93.3
11.5	86.3	91.6	93.8	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	94.5
11.5	86.5	91.9	94.0	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
11.5	86.7	92.1	94.3	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
11.5	86.7	92.1	94.3	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
11.5	87.7	92.4	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
11.5	87.3	92.8	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
11.5	88.2	93.7	95.9	96.7	96.7	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	96.8
11.5	89.4	95.0	97.3	98.0	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	98.2
11.5	90.2	95.9	98.4	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	99.4
11.5	90.2	95.9	98.4	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	99.4
11.5	90.4	96.3	98.8	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
11.5	90.4	96.3	98.8	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
11.5	90.4	96.3	98.8	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
11.5	90.4	96.3	98.8	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
11.5	90.6	96.4	98.9	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
11.5	90.6	96.5	99.0	99.8	99.8	99.8	99.8100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
11.5	90.6	96.5	99.0	99.8	99.8	99.8	99.8100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
11.5	90.6	96.5	99.0	99.8	99.8	99.8	99.8100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
11.5	90.6	96.5	99.0	99.8	99.8	99.8	99.8100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
11.5	90.6	96.5	99.0	99.8	99.8	99.8	99.8100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
11.5	90.6	96.5	99.0	99.8	99.8	99.8	99.8100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100

TOTAL NUMBER OF OBSERVATIONS 837

GENERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION TYNDALE AFB FL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

8.3	53.6	57.6	59.1	60.0	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
10.0	69.3	74.5	76.3	77.4	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
10.0	69.4	74.5	76.4	77.5	77.7	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
10.1	69.4	74.6	76.5	77.6	77.8	77.9	78.0	78.2	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
10.1	69.9	75.2	77.1	78.2	78.4	78.5	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
10.4	72.7	78.2	80.1	81.3	81.5	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
10.7	76.9	82.8	85.0	86.2	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
10.7	77.2	83.1	85.2	86.5	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
11.1	79.6	85.8	88.0	89.3	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
11.2	83.9	87.2	89.5	90.8	91.0	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
11.2	81.0	87.4	89.7	91.1	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
11.2	81.5	88.1	90.4	91.8	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
11.2	81.5	88.1	90.5	91.9	92.1	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
11.2	81.8	88.4	90.9	92.3	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
11.2	82.7	88.8	91.3	92.8	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
11.3	83.2	90.2	92.8	94.3	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0
11.4	84.2	91.3	94.1	95.6	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
11.4	84.9	92.3	95.3	96.9	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
11.4	84.9	92.3	95.3	97.0	97.2	97.6	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
11.4	85.1	92.6	95.7	97.4	97.7	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
11.4	85.2	92.8	95.9	97.8	98.0	98.5	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.4	85.2	92.8	96.0	97.9	98.2	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
11.4	85.3	92.9	96.1	98.0	98.3	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
11.4	85.3	92.9	96.1	98.1	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
11.4	85.3	93.0	96.2	98.1	98.4	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
11.4	85.3	93.0	96.2	98.1	98.4	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
11.4	85.3	93.0	96.2	98.2	98.5	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
11.4	85.3	93.1	96.3	98.4	98.7	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
11.4	85.3	93.1	96.4	98.5	98.8	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
11.4	85.3	93.1	96.4	98.5	98.8	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
11.4	85.3	93.1	96.4	98.5	98.8	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
11.4	85.3	93.1	96.4	98.5	98.8	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 6626

FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

747700 TYNDALL AFB FL

73-81

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0000

10.3	73.6	76.3	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	77.3
11.2	81.1	84.7	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	86.0	86.0
11.9	81.1	84.7	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	86.0	86.0
11.9	81.5	85.1	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	86.4
11.1	82.7	86.4	87.5	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	87.7
11.7	86.1	90.0	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
12.1	88.1	91.9	93.0	93.2	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
12.1	88.4	92.2	93.3	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	93.7	93.7
12.1	88.5	92.5	93.5	93.8	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
12.1	88.5	92.5	93.5	93.8	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
12.1	88.5	92.5	93.5	93.8	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
12.1	88.8	92.7	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	94.1
12.1	89.6	93.7	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
12.1	90.2	94.9	96.2	96.8	96.8	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
12.1	90.9	95.6	96.9	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
12.1	91.4	96.1	97.4	98.0	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
12.1	91.6	96.3	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	98.4
12.1	91.9	96.5	97.8	98.6	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
12.1	92.1	96.8	98.1	98.8	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
12.1	92.5	97.1	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	99.4
12.1	92.6	97.3	98.6	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	99.5
12.1	92.6	97.3	98.6	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	99.6
12.1	92.6	97.3	98.6	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	99.6
12.1	92.6	97.3	98.6	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	99.6
12.1	92.6	97.3	98.6	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	99.6
12.1	92.6	97.3	98.6	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	99.6
12.1	92.6	97.3	98.6	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	99.6
12.1	92.6	97.3	98.6	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	99.6

TOTAL NUMBER OF OBSERVATIONS 637

GLOBAL CLIMATOLOGY BRANCH  
ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81 TYNDALE AFB FL

73-81

ANS

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

6.2	63.6	73.5	75.4	76.6	76.7	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
6.7	76.0	81.6	83.8	85.2	85.3	85.5	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
6.7	76.0	81.6	83.8	85.2	85.3	85.5	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
6.8	76.8	82.4	84.6	86.0	86.1	86.4	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
6.8	77.5	83.2	85.5	87.0	87.1	87.3	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
6.8	79.3	84.9	87.3	88.8	89.0	89.2	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
6.8	79.3	84.9	87.3	88.8	89.0	89.2	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
6.3	80.8	86.5	88.9	90.3	90.6	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
6.3	81.4	87.1	89.5	90.9	91.2	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
6.3	81.5	87.2	89.6	91.0	91.3	91.5	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
6.3	81.6	87.3	89.7	91.2	91.4	91.6	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
6.4	81.8	87.6	90.0	91.4	91.6	91.9	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
6.4	82.2	87.9	90.3	91.8	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	92.5
6.4	82.6	88.3	90.7	92.1	92.4	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
6.6	84.2	90.1	92.5	94.0	94.3	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
6.6	84.8	90.8	93.2	94.7	95.0	95.2	95.3	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
6.6	85.9	91.9	94.5	96.1	96.3	96.7	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
6.6	86.0	92.1	94.7	96.3	96.5	96.9	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
6.6	86.0	92.4	95.0	96.5	96.8	97.1	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
6.6	86.1	92.5	95.1	96.7	96.9	97.3	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
6.6	86.1	92.6	95.2	96.8	97.1	97.5	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
6.6	86.6	93.1	95.7	97.3	97.6	98.0	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
6.6	86.6	93.1	95.7	97.3	97.6	98.0	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
6.6	86.9	93.4	96.1	97.6	98.0	98.3	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
6.6	87.2	93.8	96.4	98.0	98.3	98.7	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
6.9	87.5	94.1	96.8	98.3	98.7	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
6.8	87.3	94.5	97.1	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
6.8	87.8	94.5	97.1	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
6.8	87.8	94.5	97.1	98.7	99.0	99.4	99.5	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
6.8	87.8	94.5	97.1	98.7	99.0	99.4	99.5	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
6.3	87.8	94.5	97.1	98.7	99.0	99.4	99.5	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 837



0  
2  
CENTRAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

010727 TYNDALE AFB FL

73-81

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-2400

7.0	57.5	62.7	64.4	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
8.1	68.2	74.4	76.3	77.7	77.7	78.0	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
9.1	68.2	74.4	76.3	77.7	77.7	78.0	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
8.1	68.8	75.7	76.9	78.3	78.3	78.6	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
6.1	71.2	77.5	79.6	80.9	80.9	81.2	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
6.1	74.0	81.1	83.4	84.8	84.9	85.5	85.7	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9
8.1	74.0	81.1	83.5	84.9	85.1	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
8.1	76.8	84.0	86.4	87.8	87.9	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
6.1	78.1	85.3	87.7	89.1	89.2	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
6.1	78.3	85.4	87.8	89.2	89.4	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
8.1	79.7	86.7	88.5	90.0	90.1	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
6.1	78.7	86.1	88.8	90.2	90.3	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
6.1	78.9	86.3	89.0	90.6	90.7	91.4	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8
8.1	79.7	86.4	89.1	90.7	90.8	91.5	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
8.1	79.7	87.1	89.8	91.6	91.8	92.6	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
8.1	80.4	88.1	90.8	92.6	92.7	93.5	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
9.1	81.1	88.8	91.5	93.3	93.4	94.5	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
9.1	81.2	88.9	91.6	93.4	93.5	94.6	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
9.2	81.6	89.2	92.0	93.8	93.9	95.0	95.3	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6
9.2	81.6	89.4	92.1	93.9	94.0	95.1	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7
9.2	81.7	89.5	92.2	94.0	94.1	95.2	95.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9
8.4	82.7	90.0	92.7	94.5	94.6	95.7	96.1	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4
8.4	82.2	90.2	93.0	94.7	94.9	95.9	96.3	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7
9.4	82.4	90.4	93.3	95.1	95.2	96.3	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0
9.4	83.2	91.2	94.1	96.1	96.2	97.3	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0
8.4	83.4	91.5	94.7	96.8	96.9	98.0	98.3	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8
8.4	83.5	91.6	95.0	97.1	97.3	98.3	98.7	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2
8.4	83.5	91.6	95.0	97.1	97.3	98.3	99.0	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5
9.4	83.5	91.6	95.0	97.1	97.3	98.3	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
8.4	83.5	91.6	95.0	97.1	97.3	98.3	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8
8.4	83.5	91.6	95.0	97.1	97.3	98.3	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 837

FEDERAL CLIMATOLOGY BRANCH  
 AFSTAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

UNITED STATES AIR FORCE  
 TYNDALL AFB FL 32110

73-81

AUC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1973-1100

56.9	58.7	59.0	59.1	59.1	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
74.2	76.3	76.7	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
74.0	76.3	76.7	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
74.0	76.3	76.7	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
74.1	76.5	76.9	77.1	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
77.1	79.6	80.0	80.2	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
82.0	85.2	85.7	85.8	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
82.3	85.5	86.0	86.1	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
84.2	87.6	88.3	88.4	88.5	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
85.4	88.9	89.7	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
85.7	89.1	90.0	90.1	90.2	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
85.9	89.4	90.4	90.6	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
86.1	89.6	90.8	90.9	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
86.4	89.8	91.0	91.2	91.3	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
86.4	89.8	91.2	91.3	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
88.1	91.9	93.3	93.5	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
88.6	92.7	94.1	94.4	94.6	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
89.2	93.5	95.0	95.2	95.5	95.7	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
89.2	93.5	95.0	95.2	95.5	95.7	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
92.4	94.9	96.5	96.8	97.0	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
91.7	95.3	97.0	97.3	97.5	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
92.9	95.7	97.4	97.7	98.0	98.2	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
91.6	96.4	98.2	98.6	98.8	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
91.8	96.5	98.3	98.7	98.9	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
91.8	96.5	98.3	98.7	98.9	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
91.8	96.5	98.3	98.7	98.9	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
92.0	96.8	98.6	98.9	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
92.0	96.8	98.6	98.9	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
92.0	96.8	98.6	98.9	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
92.0	96.8	98.6	98.9	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
92.0	96.8	98.6	98.9	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 837



1  
2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72 TYDALL AFB FL

73-81

AMG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

6.0	41.1	43.4	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
10.3	63.6	71.7	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
10.3	68.8	72.2	72.0	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
10.3	77.1	73.5	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
10.3	73.6	77.2	77.8	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
11.0	80.3	84.3	84.9	85.2	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
11.0	81.0	85.1	85.7	85.9	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
11.4	84.6	89.2	89.8	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
11.4	85.9	90.6	91.2	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
11.4	85.9	90.6	91.2	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
11.4	86.7	90.9	91.5	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
11.5	96.7	91.8	92.4	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
11.5	97.3	92.5	93.3	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
11.5	87.9	93.1	93.9	94.4	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
11.5	88.6	94.0	95.0	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
11.5	90.0	95.6	96.7	97.4	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
11.5	90.9	96.8	98.0	98.8	98.9	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
11.5	90.9	96.8	98.0	98.8	98.9	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
11.5	91.0	96.9	98.1	98.9	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	99.6
11.5	91.3	97.1	98.3	99.2	99.3	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
11.5	91.3	97.1	98.3	99.2	99.3	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
11.5	91.3	97.1	98.3	99.2	99.3	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
11.5	91.3	97.1	98.3	99.2	99.3	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
11.5	91.3	97.1	98.3	99.2	99.3	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
11.5	91.3	97.1	98.3	99.2	99.3	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
11.5	91.3	97.1	98.3	99.2	99.3	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
11.5	91.3	97.1	98.3	99.2	99.3	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
11.5	91.3	97.1	98.3	99.2	99.3	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
11.5	91.3	97.1	98.3	99.2	99.3	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

TOTAL NUMBER OF OBSERVATIONS 877



0  
2  
1  
1  
FEDERAL CLIMATOLOGY BRANCH  
AFSC  
ATMOSPHERIC SERVICE/MAC

# CEILING VERSUS VISIBILITY

1477 TYNALL AFB FL

73-31

AMD

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

9.4	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	86.7	86.7	86.7
9.7	81.7	85.1	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	86.1	86.1
9.7	81.7	85.1	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	86.1	86.1
9.7	82.2	85.5	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	86.6	86.6	86.6
9.7	84.5	87.8	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	88.9	88.9
10.0	88.1	91.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
10.0	88.1	91.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
10.5	90.4	93.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
10.5	90.6	94.3	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	95.3	95.3
10.5	91.0	95.0	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	96.1	96.1
10.5	91.2	95.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
10.5	91.4	95.5	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	96.5	96.5	96.5
10.5	91.4	95.5	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	96.5	96.5	96.5
10.5	91.4	95.5	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	96.5	96.5	96.5
10.5	92.8	96.9	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	98.0	98.0	98.0
10.5	93.3	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
10.5	93.5	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
10.5	93.7	98.1	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	99.2	99.2	99.2	99.2
10.5	93.7	98.1	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	99.2	99.2	99.2	99.2
10.5	93.8	98.2	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	99.3	99.3
10.5	94.0	98.6	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	99.6	99.6
10.5	94.0	98.7	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	99.8	99.8
10.5	94.1	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10.5	94.3	98.9	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	100.0	100.0
10.5	94.3	98.9	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	100.0	100.0
10.5	94.3	98.9	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	100.0	100.0
10.5	94.3	98.9	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	100.0	100.0
10.5	94.3	98.9	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	100.0	100.0
10.5	94.3	98.9	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	100.0	100.0
10.5	94.3	98.9	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	100.0	100.0
10.5	94.3	98.9	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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 537

FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

TYNDALL AFB FL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

57.7	60.6	61.4	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
74.4	74.2	79.1	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
74.5	74.2	79.2	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
74.6	78.1	79.3	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
75.2	78.9	79.9	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
77.6	81.5	82.6	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
81.9	86.1	87.2	87.8	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
82.1	86.3	87.5	88.0	88.1	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
84.6	88.9	90.1	90.7	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
85.3	89.8	90.9	91.5	91.6	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9
85.6	90.1	91.3	91.8	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
85.8	90.4	91.7	92.3	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
86.0	90.7	92.0	92.5	92.6	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
86.3	91.0	92.3	92.9	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
86.5	91.2	92.5	93.1	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
87.6	92.6	94.0	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
88.6	93.8	95.2	96.1	96.2	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
89.4	94.7	96.2	97.1	97.2	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
89.5	94.8	96.3	97.2	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
89.8	95.1	96.7	97.6	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
89.9	95.3	96.8	97.8	97.9	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
90.0	95.5	97.0	98.0	98.1	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
90.2	95.8	97.3	98.3	98.4	98.8	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
90.4	95.9	97.4	98.4	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
90.4	96.0	97.5	98.5	98.6	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
90.6	96.1	97.7	98.7	98.8	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
90.7	96.3	97.8	98.9	99.0	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
90.7	96.3	97.9	99.0	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
90.7	96.3	97.9	99.0	99.1	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
90.7	96.3	97.9	99.0	99.1	99.5	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
90.7	96.3	97.9	99.0	99.1	99.5	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6696

FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL SERVICE  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1000-1200

6.5	65.9	7.5	73.1	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
6.5	72.3	77.7	79.8	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
6.5	72.3	77.7	79.8	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
6.5	72.3	77.7	79.8	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
6.5	73.1	77.7	80.4	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	81.4
6.5	74.6	79.3	82.0	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	83.1
6.5	77.3	82.3	85.3	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	86.4
6.5	77.4	82.5	85.4	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	86.5	86.5	86.5
6.5	80.9	86.3	89.3	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	90.4	90.4
6.5	81.4	86.8	89.8	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	90.9
6.5	81.5	86.9	89.9	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	91.0
6.5	81.9	87.3	90.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
6.5	82.2	87.7	90.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
6.5	82.6	88.1	91.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
6.5	82.6	88.3	91.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
6.5	83.5	89.1	92.3	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	93.5	93.5
6.5	84.8	90.6	93.8	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
6.5	85.4	91.2	94.4	95.7	95.8	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	95.9
6.5	85.4	91.2	94.4	95.7	95.8	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	95.9
6.5	85.7	91.5	94.9	96.3	96.4	96.4	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
6.5	85.7	91.7	95.1	96.4	96.5	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
6.5	85.7	91.7	95.1	96.4	96.5	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
6.5	85.7	91.7	95.1	96.8	96.9	96.9	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
6.5	86.9	93.1	96.4	98.1	98.3	98.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
6.5	87.0	93.2	96.5	98.3	98.4	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	99.1
6.5	87.0	93.3	96.7	98.4	98.5	98.5	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
6.5	87.0	93.3	96.7	98.4	98.6	98.6	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
6.5	87.0	93.3	96.8	98.5	98.8	98.8	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
6.5	87.0	93.3	96.8	98.5	98.8	99.0	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
6.5	87.0	93.3	96.8	98.5	98.8	99.0	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
6.5	87.0	93.3	96.8	98.5	98.8	99.0	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

TOTAL NUMBER OF OBSERVATIONS 810

SEP 1954



1  
2

FEDERAL METEOROLOGICAL BUREAU  
OFFICE TAC  
METEOROLOGICAL SERVICE/MAL

# CEILING VERSUS VISIBILITY

1957 TANDALL AFB FL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1300-0500

70.4	71.2	69.2	69.0	70.4	70.7	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
70.2	69.6	71.1	74.2	75.8	75.9	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
70.2	69.6	71.1	74.2	75.8	75.9	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
70.2	69.6	71.1	74.2	75.8	75.9	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
70.2	66.8	72.3	75.8	77.4	77.5	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
70.2	69.6	75.6	79.3	81.1	81.2	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
70.2	69.8	75.7	79.4	81.2	81.4	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
70.3	71.9	79.5	82.2	84.1	84.2	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
70.3	70.0	78.8	82.5	84.3	84.4	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
70.3	72.2	79.3	83.0	84.3	84.9	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
70.4	73.3	80.4	84.2	85.0	86.2	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
70.4	73.6	80.5	84.4	86.3	86.4	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
70.4	74.1	81.1	85.1	87.0	87.2	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
70.4	74.4	81.6	85.6	87.5	87.7	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
70.4	75.4	82.8	87.0	89.0	89.1	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
70.5	76.9	84.4	88.8	91.1	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
70.6	78.5	86.7	90.4	92.8	93.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
70.8	78.6	86.2	90.5	93.0	93.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
70.9	79.4	86.9	91.2	93.7	93.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
70.9	79.4	86.9	91.2	93.7	93.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
70.9	79.4	86.9	91.2	93.7	93.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
70.9	79.5	87.0	91.4	94.1	94.2	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
70.9	79.5	87.2	91.5	94.2	94.3	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
70.9	80.4	88.1	92.5	95.8	95.9	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
80.1	80.6	88.6	93.0	96.3	96.4	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
80.1	80.9	89.1	93.5	96.8	96.9	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
80.1	81.0	89.3	93.6	96.9	97.0	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
80.1	81.1	89.4	93.7	97.2	97.3	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
80.1	81.1	89.4	93.8	97.3	97.4	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
80.1	81.1	89.4	94.0	97.4	97.5	99.0	99.3	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
80.1	81.1	89.4	94.0	97.4	97.5	99.0	99.3	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 510

2

FEDERAL METEOROLOGICAL SERVICE  
METAC  
METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

TYNDALL AFB FL

73-81

SEP

PERCENTAGE FREQUENCY OF DIFFERENCE  
FROM HOUR OBSERVATION

800-1000

4.0	43.4	54.8	57.4	59.3	59.9	60.5	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
5.0	53.0	64.1	67.2	69.1	69.9	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
6.0	58.0	64.1	67.2	69.1	69.9	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
7.0	58.4	64.7	67.8	69.8	70.5	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
8.0	60.1	66.9	70.7	72.8	73.7	74.4	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
9.0	64.1	71.1	75.6	77.8	78.6	79.5	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
10.0	64.3	71.4	75.9	78.1	79.0	79.9	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
11.0	67.3	74.9	80.0	82.8	83.7	84.6	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
12.0	67.7	75.7	80.4	83.2	84.1	84.9	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
13.0	67.8	75.4	80.5	83.1	84.2	85.1	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
14.0	68.0	75.8	81.2	84.1	84.9	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
15.0	68.1	75.9	81.5	84.3	85.2	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
16.0	68.5	76.3	82.0	84.9	85.8	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
17.0	68.9	76.7	82.3	85.3	86.2	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
18.0	70.1	78.1	84.0	87.2	88.0	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
19.0	70.9	78.9	84.9	88.3	89.1	90.1	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
20.0	72.1	80.4	86.9	90.2	91.1	92.1	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
21.0	72.1	80.5	87.0	90.4	91.2	92.2	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
22.0	72.6	81.0	87.7	91.0	91.9	92.6	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
23.0	72.7	81.2	87.9	91.2	92.1	93.1	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
24.0	73.0	81.5	88.3	91.6	92.5	93.5	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
25.0	73.0	81.5	88.4	91.9	92.7	93.7	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
26.0	73.1	81.6	88.6	92.3	93.2	94.2	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
27.0	73.7	82.3	89.4	93.2	94.2	95.3	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
28.0	74.1	82.8	90.1	94.1	95.2	96.3	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
29.0	74.3	83.1	90.5	94.7	95.8	96.9	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
30.0	74.7	83.6	91.0	95.4	96.7	98.0	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
31.0	74.8	83.8	91.5	95.9	97.2	98.5	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
32.0	74.8	83.8	91.5	95.9	97.2	98.5	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
33.0	74.8	83.8	91.5	95.9	97.2	98.5	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
34.0	74.8	83.8	91.5	95.9	97.2	98.5	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 510

6  
2

FEDERAL CLIMATOLOGY BRANCH  
METEOROLOGICAL SERVICE/MAS

# CEILING VERSUS VISIBILITY

72 TINDALL AFB FL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1910-1100

53.4	60.4	61.1	67.0	62.0	62.0	62.0	62.7	62.0	62.7	62.0	62.0	62.0	62.0	62.7	62.0	62.0	62.7	62.0
70.4	70.5	72.7	74.0	74.8	74.8	74.8	74.8	74.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
70.4	70.5	72.7	74.0	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
70.4	71.1	73.3	74.6	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
70.4	71.3	75.9	77.5	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
70.1	77.7	80.4	82.0	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
70.1	77.7	82.4	82.0	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
70.1	80.7	84.0	85.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
70.1	81.5	84.8	86.5	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
70.1	81.5	84.9	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
70.1	81.9	85.9	87.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
70.1	81.9	85.9	87.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
70.1	82.2	86.3	88.1	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
70.1	82.3	86.4	88.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
70.1	83.7	87.0	90.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
70.1	85.1	89.4	91.9	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
70.2	86.5	91.1	93.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
70.2	86.7	91.4	93.8	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	95.7	95.7
70.2	87.2	92.0	94.4	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
70.2	87.4	92.3	94.8	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
70.2	87.4	92.3	94.9	96.7	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
70.2	87.7	92.8	95.4	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
70.2	87.8	93.1	95.8	97.5	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
70.2	88.3	93.7	96.5	98.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
70.2	88.4	93.8	96.7	98.6	99.3	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
70.2	88.4	93.8	96.7	98.6	99.4	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
70.2	88.4	93.8	96.7	98.6	99.4	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
70.2	88.4	93.8	96.7	98.6	99.4	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
70.2	88.4	93.8	96.7	98.6	99.4	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
70.2	88.4	93.8	96.7	98.6	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
70.2	88.4	93.8	96.7	98.6	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
70.2	88.4	93.8	96.7	98.6	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
70.2	88.4	93.8	96.7	98.6	99.4	99.4	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 812

0  
2  
1

FEDERAL BUREAU OF INVESTIGATION  
U.S. DEPARTMENT OF JUSTICE  
METEOROLOGICAL SERVICE/MAAC

# CEILING VERSUS VISIBILITY

77-81 TYNDALE AFB, FL

77-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1000-1400

11.2	69.1	71.4	72.6	73.1	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
11.2	69.5	71.7	72.0	72.9	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
11.2	69.5	72.7	73.2	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
11.2	69.6	72.1	73.3	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
11.4	71.8	74.8	76.2	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
11.4	77.8	81.9	82.2	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
11.6	78.0	81.1	82.5	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
11.7	81.4	84.6	86.3	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	87.3
11.7	82.0	85.7	87.2	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	88.1	88.1	88.1
11.7	82.3	86.2	87.7	88.5	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
11.7	83.2	87.4	88.9	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
11.7	83.3	87.7	89.1	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	90.1
11.7	83.5	88.3	89.8	91.0	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
11.7	84.0	88.9	90.4	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
11.8	85.7	90.7	92.5	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
11.8	86.9	92.3	94.2	95.4	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	95.7	95.7
11.8	87.4	93.1	94.9	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
11.8	87.4	93.1	94.9	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
11.8	88.3	94.1	95.9	97.2	97.4	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	97.9
11.8	88.6	94.4	96.3	97.5	97.8	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
11.8	88.8	94.7	96.5	97.8	98.0	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
11.8	88.9	94.9	96.8	98.0	98.3	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
11.8	88.9	95.1	97.0	98.3	98.5	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
11.8	88.9	95.3	97.3	98.5	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
11.8	89.1	95.7	97.7	98.9	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
11.8	89.1	95.7	97.8	99.0	99.3	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
11.8	89.1	95.7	97.8	99.0	99.3	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
11.8	89.1	95.7	97.8	99.0	99.3	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
11.8	89.1	95.7	97.8	99.0	99.3	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

TOTAL NUMBER OF OBSERVATIONS 810

1  
2

FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
AFW WEATHER SERVICE/AMC

## CEILING VERSUS VISIBILITY

78-79 TYNDALL AFB FL

78-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

7.8	48.0	51.2	51.5	51.9	52.2	52.2	52.2	52.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
9.5	65.3	71.7	72.8	73.2	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
9.5	68.4	71.9	73.5	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
9.5	68.6	72.1	73.2	73.7	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
9.5	68.9	72.3	73.5	74.0	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
9.5	72.1	75.7	77.0	77.5	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
10.4	77.8	81.9	83.5	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
10.4	77.8	82.7	83.6	84.3	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
10.4	81.0	85.3	86.9	87.8	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
10.4	81.9	86.4	88.3	89.1	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
10.4	81.9	86.7	88.6	89.5	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
10.4	83.1	87.9	89.9	90.7	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
10.4	83.2	88.0	90.0	90.9	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
10.4	83.7	88.5	90.5	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
10.4	84.1	88.9	90.9	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
10.5	85.7	90.6	92.6	93.7	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
10.5	86.8	91.9	93.8	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
10.5	87.4	92.7	94.8	95.9	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
10.5	87.5	92.6	94.9	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
10.5	88.5	93.8	95.9	97.0	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
10.5	88.9	94.2	96.3	97.4	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
10.5	88.9	94.7	96.4	97.5	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3
10.5	88.9	94.3	96.4	97.7	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5
10.5	89.0	94.7	96.8	98.0	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0
10.5	89.3	95.1	97.2	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5
10.5	89.6	95.4	97.5	98.8	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9
10.5	89.6	95.4	97.5	98.8	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10.5	89.6	95.4	97.5	98.8	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10.5	89.6	95.4	97.5	98.8	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10.5	89.6	95.4	97.5	98.8	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10.5	89.6	95.4	97.5	98.8	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 810

2

FEDERAL CLIMATOLOGY BRANCH  
AFCTAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

74075 TYNALL AFB FL

73-81

56P

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

7.8	56.5	55.6	59.3	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
9.0	71.7	74.9	75.8	76.8	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
9.0	71.7	74.9	75.8	76.8	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
9.1	72.0	75.2	76.0	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
9.5	75.8	79.4	80.2	81.2	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
9.6	79.9	84.2	85.2	86.2	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
9.6	79.9	84.2	85.2	86.2	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
9.6	83.2	87.7	88.8	89.8	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
9.6	85.1	89.5	90.6	91.6	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
9.6	85.1	89.5	90.6	91.6	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
9.6	85.4	89.9	91.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
9.6	85.7	90.1	91.2	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
9.6	85.9	90.5	91.6	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
9.6	86.5	91.2	92.3	93.3	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
9.6	87.3	92.3	93.5	94.4	94.7	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
9.6	88.0	93.3	94.4	95.4	95.7	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
9.6	88.6	94.0	95.2	96.2	96.4	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
9.6	88.6	94.0	95.2	96.2	96.4	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
9.9	89.0	94.4	95.8	96.8	97.0	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
9.9	89.4	94.8	96.2	97.2	97.4	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
9.9	89.5	95.1	96.4	97.4	97.7	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
9.9	89.5	95.2	96.5	97.5	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
9.9	89.6	95.7	97.0	98.0	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
9.9	89.9	96.2	97.5	98.5	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
9.9	90.5	96.6	98.1	99.1	99.4	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	90.5	96.8	98.1	99.1	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.9	90.5	96.8	98.1	99.1	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.9	90.5	96.8	98.1	99.1	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.9	90.5	96.8	98.1	99.1	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 613

UNCLASSIFIED - PUBLIC DOMAIN - DATA FROM AIR OBSERVATIONS

1  
2

U.S. AIR FORCE  
METEOROLOGICAL SERVICE  
WALLA WALLA AIR FIELD

# CEILING VERSUS VISIBILITY

WALLA WALLA AIR FIELD

73-81

SLP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

69.3	65.4	67.7	69.3	67.9	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
76.2	74.9	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
76.2	73.9	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
76.4	79.1	81.5	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	82.1
78.3	81.7	83.3	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	84.0
82.1	85.3	87.7	89.3	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	88.3	88.3
82.3	85.6	87.9	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	88.5
84.6	87.9	90.2	91.9	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	90.9	90.9
85.2	88.5	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	91.5	91.5
85.4	88.8	91.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
86.0	89.4	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
86.4	89.8	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
86.6	90.2	92.8	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	93.5	93.5	93.5
86.9	90.5	93.1	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	93.7	93.7
88.3	90.2	94.8	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	95.6
88.4	90.3	94.9	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
88.9	90.8	95.6	96.2	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	96.4
88.9	90.8	95.6	96.2	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	96.4
89.4	90.8	96.3	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
89.8	94.0	96.7	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
89.8	94.0	96.8	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	97.7	97.7	97.7
91.0	95.3	98.1	98.8	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
91.0	95.7	98.5	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	99.4	99.4
91.0	95.9	98.8	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	99.9	99.9
91.0	95.9	98.8	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	99.9	99.9
91.0	95.9	98.8	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	99.9	99.9
91.0	95.9	98.8	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	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 810



USAF FORM 104-1 (REV. 1-54) (SEE INSTRUCTIONS FOR USE)

2

FEDERAL CLIMATOLOGY BRANCH  
METEOROLOGICAL  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-51 TYNDALE AFB FL

73-51

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATION

ALL

56.9	60.1	61.7	62.6	62.7	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
69.0	72.7	74.7	75.7	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
69.0	72.9	74.8	75.8	76.0	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
69.4	73.2	75.2	76.2	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
71.6	75.7	77.9	78.9	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
75.8	81.2	82.6	83.8	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
75.9	81.3	82.7	83.9	84.2	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
78.9	83.7	86.2	87.5	87.7	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	88.0	88.0
79.6	84.5	87.0	88.3	88.5	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
79.7	84.7	87.3	88.6	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
80.4	85.5	88.1	89.4	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
80.6	85.7	88.4	89.7	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
81.9	86.2	88.9	90.3	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
81.2	86.6	89.3	90.7	90.9	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
82.5	88.0	90.8	92.3	92.5	92.8	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
83.5	89.2	92.1	93.6	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
84.4	90.2	93.2	94.8	95.1	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
84.4	90.2	93.3	94.9	95.2	95.5	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
85.0	90.9	94.0	95.6	95.9	96.3	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
85.2	91.2	94.3	95.9	96.2	96.5	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	96.8
85.3	91.3	94.4	96.0	96.3	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
85.4	91.4	94.6	96.3	96.6	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
85.4	91.6	94.8	96.6	96.9	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
86.0	92.4	95.6	97.5	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	98.5	98.5
86.3	92.8	96.0	97.9	98.3	98.6	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
86.4	92.9	96.2	98.1	98.5	98.9	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
86.4	93.0	96.3	98.2	98.7	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
86.5	93.0	96.4	98.3	98.8	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
86.5	93.0	96.4	98.4	98.8	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
86.5	93.0	96.4	98.4	98.8	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
86.5	93.0	96.4	98.4	98.8	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

TOTAL NUMBER OF OBSERVATIONS 6480



GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81  
TYNDALL AFB FL

73-81

957

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0100

30.5	72.8	74.7	76.2	78.1	78.5	79.0	79.3	79.3	79.6	79.8	79.8	79.9	79.9	80.0	80.0
30.7	75.5	77.4	79.1	81.0	81.4	81.8	82.2	82.2	82.4	82.7	82.7	82.8	82.8	82.9	83.0
30.7	75.5	77.4	79.1	81.0	81.4	81.8	82.2	82.2	82.4	82.7	82.7	82.8	82.8	82.9	83.0
30.8	75.7	77.7	79.3	81.2	81.6	82.1	82.4	82.4	82.7	82.9	82.9	83.0	83.0	83.2	83.3
31.3	77.3	79.2	80.9	82.8	83.2	83.6	84.0	84.0	84.2	84.5	84.5	84.6	84.6	84.7	84.8
31.3	79.9	81.8	83.5	85.4	85.8	86.3	86.6	86.6	86.9	87.1	87.1	87.2	87.2	87.3	87.5
31.3	80.2	82.1	83.8	85.7	86.0	86.5	86.9	86.9	87.1	87.3	87.3	87.5	87.5	87.6	87.7
31.3	81.6	83.6	85.3	87.2	87.6	88.1	88.4	88.4	88.6	88.9	88.9	89.0	89.0	89.1	89.2
31.3	82.3	84.3	86.0	87.9	88.3	88.8	89.1	89.1	89.4	89.6	89.6	89.7	89.7	89.8	89.9
31.3	82.4	84.5	86.1	88.1	88.4	88.9	89.2	89.2	89.5	89.7	89.7	89.8	89.8	90.0	90.1
31.3	83.0	85.1	86.9	88.8	89.1	89.6	90.0	90.0	90.2	90.4	90.4	90.6	90.6	90.7	90.8
31.3	83.4	85.5	87.5	89.4	89.7	90.2	90.6	90.6	90.8	91.0	91.0	91.2	91.2	91.3	91.4
31.3	83.4	85.5	87.5	89.4	89.7	90.2	90.6	90.6	90.8	91.0	91.0	91.2	91.2	91.3	91.4
31.4	83.5	85.7	87.6	89.5	89.8	90.3	90.7	90.7	90.9	91.2	91.2	91.3	91.3	91.4	91.5
32.1	84.7	86.9	88.8	90.7	91.0	91.5	91.9	91.9	92.1	92.4	92.4	92.5	92.5	92.6	92.7
32.1	85.3	87.5	89.6	91.5	91.9	92.4	92.7	92.7	93.0	93.2	93.2	93.3	93.3	93.4	93.5
32.1	86.1	88.4	90.6	92.6	93.0	93.4	93.8	93.8	94.0	94.3	94.3	94.4	94.4	94.5	94.6
32.1	86.3	88.5	90.7	92.7	93.1	93.5	93.9	93.9	94.1	94.4	94.4	94.5	94.5	94.6	94.7
32.1	87.3	89.6	91.8	93.8	94.1	94.6	95.0	95.0	95.2	95.5	95.5	95.6	95.6	95.7	95.8
32.1	88.1	90.3	92.7	94.7	95.1	95.6	95.9	95.9	96.2	96.4	96.4	96.5	96.5	96.7	96.8
32.1	88.8	91.2	93.5	95.6	96.1	96.5	96.9	96.9	97.1	97.4	97.4	97.5	97.5	97.6	97.7
32.1	88.8	91.3	93.7	95.7	96.2	96.7	97.0	97.0	97.3	97.5	97.5	97.6	97.6	97.7	97.8
32.1	88.8	91.5	94.0	96.1	96.5	97.0	97.4	97.4	97.6	97.8	97.8	98.0	98.0	98.1	98.2
32.1	88.9	91.6	94.3	96.3	96.8	97.3	97.6	97.6	97.8	98.1	98.1	98.2	98.2	98.3	98.4
32.1	88.9	91.8	94.5	96.5	97.0	97.5	97.8	97.8	98.1	98.3	98.3	98.4	98.4	98.6	98.7
32.1	88.9	91.8	94.7	96.9	97.4	97.8	98.2	98.2	98.6	98.8	98.8	98.9	98.9	99.0	99.2
32.1	89.0	92.0	95.1	97.3	97.7	98.2	98.6	98.6	98.9	99.2	99.2	99.3	99.3	99.4	99.5
32.1	89.0	92.0	95.1	97.3	97.7	98.2	98.6	98.6	98.9	99.2	99.2	99.3	99.3	99.4	99.5
32.1	89.0	92.0	95.1	97.3	97.7	98.2	98.6	98.6	98.9	99.2	99.2	99.3	99.3	99.5	99.9
32.1	89.0	92.0	95.1	97.3	97.7	98.2	98.6	98.6	99.0	99.3	99.3	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 837

FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION TYNALL AFB FL

73-81

QCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1300-2500

27.2	71.5	73.8	75.7	77.1	77.1	77.7	78.0	78.1	78.4	78.6	78.6	78.7	78.7	78.9	79.7
27.4	72.8	76.3	78.3	79.6	79.6	80.2	80.5	80.6	80.9	81.1	81.1	81.2	81.2	81.4	81.5
27.4	72.8	76.3	78.3	79.6	79.6	80.2	80.5	80.6	80.9	81.1	81.1	81.2	81.2	81.4	81.5
27.4	72.8	76.5	78.4	79.8	79.8	80.4	80.8	80.9	81.1	81.4	81.4	81.5	81.5	81.6	81.7
27.5	72.9	76.6	78.5	79.9	79.9	80.5	80.9	81.0	81.2	81.5	81.5	81.6	81.6	81.7	81.8
27.5	73.4	77.1	79.1	80.5	80.6	81.2	81.6	81.7	82.0	82.2	82.2	82.3	82.3	82.4	82.6
28.8	77.2	81.7	83.2	84.6	84.7	85.3	85.7	85.8	86.0	86.3	86.3	86.4	86.4	86.5	86.6
28.8	77.5	81.4	83.6	85.1	85.2	85.8	86.1	86.3	86.5	86.7	86.7	86.9	86.9	87.0	87.1
28.9	79.1	82.9	85.2	86.6	86.7	87.3	87.7	87.8	88.1	88.3	88.3	88.4	88.4	88.5	88.6
29.3	79.8	83.6	85.9	87.3	87.5	88.1	88.4	88.5	88.8	89.0	89.0	89.1	89.1	89.2	89.4
29.3	79.8	83.6	85.9	87.3	87.5	88.1	88.4	88.5	88.8	89.0	89.0	89.1	89.1	89.2	89.4
29.3	80.5	84.3	86.6	88.2	88.3	88.9	89.2	89.4	89.6	89.8	89.8	90.0	90.0	90.1	90.2
29.3	80.9	84.8	87.1	88.9	89.0	89.6	90.0	90.1	90.3	90.6	90.6	90.7	90.7	90.8	90.9
29.5	81.2	85.3	87.7	89.5	89.6	90.2	90.6	90.7	90.9	91.2	91.2	91.3	91.3	91.4	91.5
29.5	81.2	85.3	87.7	89.5	89.6	90.2	90.6	90.7	90.9	91.2	91.2	91.3	91.3	91.4	91.5
29.6	81.6	85.7	88.1	89.8	90.0	90.6	90.9	91.2	91.3	91.5	91.5	91.6	91.6	91.8	91.9
29.6	82.6	87.0	89.4	91.2	91.3	91.9	92.2	92.4	92.6	92.8	92.8	93.0	93.0	93.1	93.2
29.6	83.6	88.2	90.7	92.6	92.7	93.3	93.7	93.8	94.2	94.4	94.4	94.5	94.5	94.6	94.7
29.6	83.6	88.2	90.7	92.6	92.7	93.3	93.7	93.8	94.0	94.4	94.4	94.5	94.5	94.6	94.7
29.6	84.1	89.1	91.6	93.5	93.7	94.3	94.6	94.7	95.0	95.3	95.3	95.5	95.5	95.6	95.7
29.6	84.5	89.7	92.2	94.1	94.3	94.9	95.2	95.3	95.6	95.9	95.9	96.1	96.1	96.2	96.3
29.6	85.2	90.6	93.1	95.0	95.1	95.7	96.1	96.2	96.4	96.8	96.8	96.9	96.9	97.0	97.1
29.6	85.5	90.9	93.4	95.3	95.5	96.1	96.4	96.5	96.8	97.1	97.1	97.3	97.3	97.4	97.5
29.6	85.5	91.0	93.7	95.6	95.7	96.3	96.7	96.8	97.0	97.4	97.4	97.5	97.5	97.6	97.7
29.6	85.5	91.0	93.9	95.8	95.9	96.5	96.9	97.0	97.3	97.6	97.6	97.7	97.7	97.8	98.0
29.7	86.0	91.5	94.6	96.5	96.7	97.3	97.6	97.7	98.0	98.3	98.3	98.4	98.4	98.6	98.7
29.7	86.0	91.8	95.0	97.0	97.3	97.8	98.2	98.3	98.6	99.0	99.0	99.2	99.2	99.3	99.4
29.7	86.0	91.8	95.0	97.0	97.3	97.8	98.3	98.4	98.7	99.2	99.2	99.3	99.3	99.4	99.5
29.7	86.0	91.8	95.0	97.0	97.3	97.8	98.3	98.4	98.7	99.2	99.2	99.3	99.3	99.4	99.6
29.7	86.0	91.8	95.0	97.0	97.3	97.8	98.3	98.4	98.7	99.2	99.2	99.3	99.3	99.4	100.0
29.7	86.0	91.8	95.0	97.0	97.3	97.8	98.3	98.4	98.7	99.2	99.2	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 377

FEDERAL CLIMATOLOGY BRANCH  
 WPC/TAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1967 TYNDALE AFB FL

73-81

867

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0200

23.9	63.6	66.5	68.2	69.2	69.2	69.3	69.4	69.5	69.5	69.9	69.9	69.9	69.9	69.9	70.0
25.1	67.7	71.7	72.8	73.7	73.7	74.0	74.2	74.4	74.4	74.8	74.8	74.9	74.9	75.0	75.1
25.1	67.7	71.7	72.8	73.7	73.7	74.0	74.2	74.4	74.4	74.8	74.8	74.9	74.9	75.0	75.1
25.1	67.7	71.7	72.8	73.7	73.7	74.0	74.2	74.4	74.4	74.8	74.8	74.9	74.9	75.0	75.1
25.3	68.9	72.2	74.0	74.9	74.9	75.1	75.4	75.5	75.6	76.0	76.0	76.1	76.1	76.2	76.3
26.2	71.6	75.0	77.2	78.3	78.3	78.6	78.9	79.1	79.1	79.5	79.5	79.6	79.6	79.7	79.8
26.2	71.7	75.1	77.3	78.4	78.4	79.0	79.2	79.5	79.5	79.8	79.8	79.9	79.9	80.0	80.2
26.3	74.3	78.0	80.4	81.5	81.6	82.2	82.4	82.7	82.7	83.0	83.0	83.3	83.3	83.4	83.5
26.3	74.8	78.5	80.9	82.0	82.1	82.7	82.9	83.2	83.2	83.5	83.5	83.8	83.8	83.9	84.0
26.3	74.8	78.6	81.0	82.1	82.2	82.8	83.0	83.3	83.3	83.6	83.6	83.9	83.9	84.0	84.1
26.3	75.3	79.1	81.5	82.6	82.8	83.4	83.6	83.9	83.9	84.2	84.2	84.5	84.5	84.6	84.7
26.3	76.2	80.4	83.2	84.2	84.5	85.1	85.3	85.5	85.5	85.9	85.9	86.1	86.1	86.3	86.4
26.6	76.9	81.1	83.9	84.9	85.2	85.8	86.0	86.3	86.3	86.6	86.6	86.9	86.9	87.0	87.1
26.6	77.1	81.4	84.1	85.2	85.4	86.0	86.3	86.5	86.5	86.9	86.9	87.1	87.1	87.2	87.3
26.6	79.1	82.5	85.3	86.4	86.6	87.2	87.5	87.7	87.7	88.1	88.1	88.3	88.3	88.4	88.5
26.6	79.5	82.9	85.8	86.9	87.2	87.9	88.2	88.4	88.4	88.8	88.8	89.0	89.0	89.1	89.2
26.6	80.0	84.8	87.8	89.0	89.4	90.1	90.3	90.6	90.6	90.9	90.9	91.2	91.2	91.3	91.4
26.6	80.2	84.9	87.9	89.1	89.5	90.2	90.4	90.7	90.7	91.0	91.0	91.3	91.3	91.4	91.5
26.6	81.2	86.1	89.2	90.4	90.9	91.8	92.0	92.2	92.2	92.6	92.6	92.8	92.8	93.0	93.1
26.6	82.0	87.0	90.2	91.4	91.9	92.7	93.0	93.2	93.3	93.7	93.7	93.9	93.9	94.0	94.1
26.6	82.1	87.1	90.3	91.5	92.0	92.8	93.2	93.4	93.5	93.9	93.9	94.1	94.1	94.3	94.4
26.6	82.1	87.1	90.3	91.5	92.1	93.0	93.3	93.5	93.7	94.0	94.0	94.3	94.3	94.4	94.5
26.6	82.3	87.3	90.6	91.8	92.4	93.2	93.5	93.8	93.9	94.3	94.3	94.5	94.5	94.6	94.7
26.6	82.3	87.7	91.0	92.4	93.0	93.8	94.1	94.4	94.6	95.0	95.0	95.2	95.2	95.3	95.5
26.8	82.4	87.9	91.4	92.8	93.4	94.3	94.6	94.9	95.1	95.5	95.5	95.7	95.7	95.8	95.9
26.8	82.9	88.4	92.0	93.5	94.3	95.1	95.6	95.8	96.1	96.4	96.4	96.8	96.8	96.9	97.0
26.8	83.0	88.5	92.2	94.0	95.0	95.8	96.4	96.7	97.0	97.4	97.4	97.8	97.8	98.0	98.1
26.9	83.0	88.8	92.5	94.3	95.2	96.2	96.8	97.0	97.6	98.3	98.3	98.9	98.9	99.0	99.2
26.8	83.1	88.8	92.5	94.3	95.2	96.4	97.1	97.4	98.0	98.8	98.8	99.5	99.5	99.9	100.0
26.8	83.0	88.8	92.5	94.3	95.2	96.4	97.1	97.4	98.0	98.8	98.8	99.5	99.5	99.9	100.0
26.8	83.0	88.8	92.5	94.3	95.2	96.4	97.1	97.4	98.0	98.8	98.8	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 837



# CEILING VERSUS VISIBILITY

73-81 TYNDALE AFB, FL

73-81

267

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

29.3	30.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
31.4	81.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
31.4	81.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
31.4	80.5	87.9	87.9	81.9	87.9	87.9	87.9	87.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
31.4	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
32.0	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
32.4	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
32.4	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
32.6	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
32.6	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
32.6	91.0	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	91.3
32.6	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
32.6	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
32.6	91.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
32.7	92.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
32.7	93.1	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
32.7	94.1	95.5	95.8	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
32.7	94.1	95.5	95.8	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
32.7	95.5	97.0	97.4	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
32.7	95.6	97.3	97.6	97.8	97.8	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
32.7	95.9	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
32.7	95.9	97.7	98.2	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
32.7	95.9	97.7	98.2	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
32.7	96.1	97.8	98.3	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
32.7	96.1	97.8	98.3	98.9	98.9	98.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
32.7	96.1	97.8	98.3	98.9	98.9	98.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
32.7	96.2	98.0	98.4	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
32.7	96.2	98.0	98.4	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
32.7	96.2	98.0	98.4	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
32.7	96.2	98.0	98.4	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
32.7	96.2	98.0	98.4	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
32.7	96.2	98.0	98.4	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
32.7	96.2	98.0	98.4	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
32.7	96.2	98.0	98.4	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

FEDERAL CLIMATOLOGY BRANCH  
WASH DC  
METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: TYNDALE AFB FL

73-31

301

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

29.7	70.4	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
31.3	79.6	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
31.3	79.6	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
31.3	79.6	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
31.9	80.6	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
32.0	81.7	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
32.3	84.2	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
32.3	84.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
32.3	85.1	87.5	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
32.5	86.9	88.5	88.5	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
32.5	87.3	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
32.7	88.1	90.0	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
32.7	88.2	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
32.7	88.2	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
32.7	89.7	91.8	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
32.7	91.3	93.4	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
32.7	92.4	94.5	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
32.7	93.2	95.6	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
32.7	93.7	95.6	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
32.7	93.7	96.3	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
32.7	94.0	96.8	97.4	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
32.7	94.0	96.8	97.4	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
32.7	94.1	96.9	97.5	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
32.7	94.3	97.0	97.6	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
32.7	94.3	97.1	98.0	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
32.7	94.4	97.3	98.1	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
32.7	94.4	97.3	98.1	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
32.7	94.4	97.3	98.1	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
32.7	94.4	97.3	98.1	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
32.7	94.4	97.3	98.1	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

TOTAL NUMBER OF OBSERVATIONS 937



NATIONAL METEOROLOGICAL SERVICE  
METEOROLOGICAL SERVICE  
METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

75.0	76.5	78.0	79.5	81.0	82.0	83.2	84.3	85.5	86.7	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	
76.5	78.0	79.5	81.0	82.0	83.2	84.3	85.5	86.7	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	100.0	
78.0	79.5	81.0	82.0	83.2	84.3	85.5	86.7	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	100.0	100.0	
79.5	81.0	82.0	83.2	84.3	85.5	86.7	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	100.0	100.0	100.0	
81.0	82.0	83.2	84.3	85.5	86.7	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	100.0	100.0	100.0	100.0	
82.0	83.2	84.3	85.5	86.7	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
83.2	84.3	85.5	86.7	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
84.3	85.5	86.7	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
85.5	86.7	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
86.7	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	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	
90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	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	100.0	
91.4	92.6	93.8	95.0	96.2	97.4	98.6	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	100.0	100.0	
92.6	93.8	95.0	96.2	97.4	98.6	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	100.0	100.0	100.0	
93.8	95.0	96.2	97.4	98.6	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	100.0	100.0	100.0	100.0	
95.0	96.2	97.4	98.6	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	100.0	100.0	100.0	100.0	100.0	
96.2	97.4	98.6	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	100.0	100.0	100.0	100.0	100.0	100.0	
97.4	98.6	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
98.6	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0	100.0	100.0	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0





# CEILING VERSUS VISIBILITY

73-81

73-81

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1000-1200

69.4	59.1	64.0	66.1	68.9	69.2	69.5	69.5	69.6	69.8	70.0	70.2	70.6	70.7	70.6	70.6
69.9	62.4	67.5	69.6	72.3	72.8	73.1	73.1	73.1	73.4	73.5	73.6	74.2	74.2	74.3	74.3
69.9	62.4	67.5	69.6	70.3	72.8	73.1	73.1	73.1	73.4	73.3	73.9	74.2	74.2	74.3	74.3
69.9	62.5	67.7	69.8	72.6	73.1	73.2	73.3	73.3	73.7	74.0	74.0	74.4	74.4	74.5	74.5
69.9	62.5	67.7	69.8	72.5	73.1	73.2	73.3	73.3	73.7	74.0	74.0	74.4	74.4	74.5	74.5
69.3	63.4	69.1	71.2	73.9	74.4	74.7	74.7	74.7	75.2	75.4	75.4	75.8	75.8	75.9	75.9
69.3	66.4	71.9	74.2	76.9	77.4	77.6	77.6	77.6	78.2	78.4	78.4	79.2	79.2	79.9	79.9
69.3	66.3	72.4	74.6	77.5	78.0	78.2	78.2	78.2	78.6	79.2	79.2	79.4	79.4	79.5	79.5
69.7	70.0	75.6	78.0	80.7	81.2	81.5	81.5	81.5	81.8	82.2	82.2	82.6	82.6	82.7	82.7
69.7	70.2	75.7	78.6	81.5	82.1	82.3	82.3	82.3	82.7	82.1	83.1	83.4	83.4	83.6	83.6
69.7	70.5	76.6	79.0	81.8	82.4	82.7	82.7	82.7	83.1	83.4	83.4	83.8	83.8	83.9	83.9
69.8	71.3	77.6	80.0	82.9	83.6	83.9	83.9	83.9	84.3	84.7	84.7	85.0	85.0	85.2	85.2
69.8	71.6	78.4	81.7	83.7	84.3	84.7	84.7	84.7	85.0	85.4	85.4	85.8	85.8	85.9	85.9
69.8	72.3	79.9	82.2	85.2	85.8	86.2	86.2	86.2	86.5	86.9	86.9	87.3	87.3	87.4	87.4
69.8	73.2	81.7	83.3	85.3	85.9	86.3	86.3	86.3	86.7	87.0	87.0	87.4	87.4	87.5	87.5
69.1	74.0	83.4	83.3	86.4	87.0	87.5	87.5	87.5	87.9	88.3	88.3	88.6	88.6	88.8	88.8
69.1	75.0	83.6	84.4	87.5	88.1	88.6	88.6	88.6	89.0	89.4	89.4	89.7	89.7	89.9	89.9
69.1	76.1	83.4	86.0	89.1	89.7	90.2	90.2	90.2	90.6	91.0	91.0	91.6	91.6	91.7	91.7
69.1	76.2	83.6	86.2	89.2	89.9	90.4	90.4	90.4	90.7	91.1	91.1	91.7	91.7	91.9	91.9
69.1	76.8	84.2	86.8	89.9	90.5	91.0	91.0	91.0	91.3	91.7	91.7	92.3	92.3	92.5	92.5
69.1	77.1	84.2	87.8	90.9	91.5	92.0	92.0	92.0	92.3	92.7	92.7	93.3	93.3	93.4	93.4
69.1	77.9	85.0	88.8	91.9	92.5	93.0	93.0	93.0	93.3	93.7	93.7	94.3	94.3	94.4	94.4
69.1	78.0	86.0	88.9	92.0	92.6	93.1	93.1	93.1	93.4	93.8	93.8	94.4	94.4	94.6	94.6
69.1	78.0	86.0	88.9	92.1	92.7	93.2	93.2	93.2	93.6	93.9	93.9	94.6	94.6	94.7	94.7
69.1	78.2	86.3	89.2	92.5	93.1	93.6	93.6	93.6	93.9	94.3	94.3	94.9	94.9	95.1	95.1
69.1	78.4	86.5	89.6	92.8	93.4	93.9	93.9	93.9	94.3	94.7	94.7	95.3	95.3	95.4	95.4
69.1	78.4	86.7	89.9	93.4	94.1	94.6	94.6	94.6	94.9	95.3	95.3	95.9	95.9	96.2	96.2
69.1	78.4	86.7	89.9	93.8	94.6	95.1	95.2	95.2	95.6	95.9	95.9	96.5	96.5	96.7	96.7
69.1	78.4	86.7	89.9	93.8	94.9	95.4	95.6	95.6	95.9	96.3	96.3	96.9	96.9	97.2	97.2
69.1	78.4	86.7	89.9	93.8	94.9	95.4	95.6	95.7	96.3	96.7	96.7	97.5	97.5	98.3	98.4
69.1	78.4	86.7	89.9	93.8	94.9	95.4	95.6	95.7	96.3	96.7	96.7	97.9	98.1	99.3	99.4
69.1	78.4	86.7	89.9	93.8	94.9	95.4	95.6	95.7	96.3	96.7	96.7	97.9	98.1	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 1000

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# CEILING VERSUS VISIBILITY

17.3 TYNALL AFB FL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

000-0000

16.7	58.8	62.1	67.2	65.3	65.4	65.9	66.2	66.3	66.4	66.5	66.7	66.7	66.7	66.7	67.0	67.0
17.3	62.2	66.7	67.2	69.4	69.5	70.0	70.2	70.4	70.6	70.7	70.9	70.9	70.9	70.9	71.2	71.4
17.3	62.2	66.7	67.2	69.4	69.5	70.0	70.2	70.4	70.6	70.7	70.9	70.9	70.9	70.9	71.2	71.4
17.3	62.3	66.3	67.4	69.6	69.6	70.2	70.5	70.6	70.9	71.0	71.1	71.1	71.1	71.1	71.5	71.6
17.7	63.3	67.4	68.5	70.7	70.9	71.5	71.7	71.9	72.1	72.2	72.3	72.3	72.3	72.7	72.8	
17.8	65.8	70.5	72.2	74.4	74.6	75.2	75.4	75.6	75.8	75.9	76.0	76.0	76.0	76.4	76.5	
17.3	66.8	72.5	75.2	77.4	77.5	78.1	78.4	78.5	78.8	78.9	79.0	79.0	79.0	79.4	79.5	
18.3	70.2	74.9	76.7	79.0	79.1	79.8	80.0	80.1	80.4	80.5	80.6	80.6	80.6	81.0	81.1	
18.4	71.7	75.7	77.4	79.8	79.9	80.5	80.7	80.9	81.1	81.2	81.4	81.4	81.4	81.4	81.7	81.9
18.5	71.2	76.0	77.9	80.2	80.4	81.0	81.2	81.4	81.6	81.7	81.9	81.9	81.9	81.9	82.2	82.3
18.5	71.5	76.3	78.1	80.5	80.6	81.2	81.5	81.6	81.9	82.0	82.1	82.1	82.1	82.5	82.6	
18.5	72.8	77.8	79.6	82.2	82.5	83.1	83.3	83.5	83.7	83.8	84.0	84.0	84.0	84.3	84.4	
18.5	72.8	77.8	81.0	82.6	82.8	83.5	83.8	84.1	84.3	84.4	84.5	84.5	84.5	84.8	84.9	85.1
18.5	73.3	78.4	81.6	83.3	83.6	84.2	84.6	84.8	85.1	85.2	85.3	85.3	85.3	85.7	85.8	
18.5	74.6	79.6	81.9	84.6	84.8	85.4	85.8	86.0	86.3	86.4	86.5	86.5	86.5	86.9	87.0	
18.5	76.0	81.2	83.5	86.4	86.7	87.3	87.7	87.9	88.1	88.3	88.4	88.5	88.5	88.9	89.0	
18.7	77.0	82.5	84.8	87.8	88.0	88.6	89.0	89.3	89.5	89.6	89.8	89.9	89.9	90.2	90.4	
18.7	77.9	83.3	85.8	88.9	89.1	89.8	90.1	90.4	90.6	90.7	90.9	91.0	91.0	91.4	91.5	
18.7	78.1	83.7	86.3	89.4	89.6	90.2	90.6	90.9	91.1	91.2	91.4	91.5	91.5	91.9	92.0	
18.7	78.5	84.1	86.8	89.9	90.2	90.9	91.4	91.6	91.9	92.0	92.1	92.2	92.2	92.6	92.7	
18.1	78.6	84.3	87.0	90.1	90.5	91.2	91.7	92.0	92.2	92.3	92.5	92.6	92.6	93.0	93.1	
18.1	79.4	85.2	87.9	91.1	91.7	92.3	92.8	93.1	93.3	93.5	93.6	93.7	93.7	94.1	94.2	
18.1	79.5	85.6	88.5	91.9	92.5	93.1	93.6	93.8	94.1	94.2	94.3	94.4	94.4	94.8	94.9	
18.1	79.5	85.8	88.9	92.6	93.2	93.8	94.3	94.6	94.8	94.9	95.1	95.2	95.2	95.6	95.7	
18.1	79.5	85.8	89.0	93.0	93.7	94.4	94.9	95.2	95.4	95.6	95.7	95.8	95.8	96.2	96.4	
18.1	79.6	85.9	89.1	93.2	94.0	94.7	95.2	95.4	95.8	95.9	96.0	96.2	96.2	96.5	97.0	
18.1	79.6	85.9	89.1	93.2	94.0	94.7	95.2	95.6	95.9	96.2	96.3	96.5	96.5	97.9	98.4	
18.1	79.6	85.9	89.1	93.2	94.0	94.7	95.2	95.6	96.0	96.3	96.4	96.7	96.7	98.6	99.9	
18.1	79.6	85.9	89.1	93.2	94.0	94.7	95.2	95.6	96.0	96.3	96.4	96.7	96.7	98.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 810

2

FEDERAL CLIMATOLOGY BRANCH  
WFO  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

740723 TYNDALL AFB FL

73-81

NRV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2620-1800

17.8	52.6	55.2	56.3	57.9	56.9	57.0	57.3	57.3	57.4	57.4	57.4	57.7	57.7	57.8	58.0
18.4	57.9	61.9	62.0	62.8	62.8	63.0	63.2	63.2	63.3	63.5	63.5	63.7	63.7	63.8	64.2
19.4	58.7	61.7	62.1	63.0	63.0	63.1	63.3	63.3	63.5	63.6	63.6	63.8	63.8	64.0	64.3
19.5	58.1	61.1	62.2	63.1	63.1	63.2	63.5	63.5	63.6	63.7	63.7	64.0	64.0	64.1	64.4
19.5	58.3	61.4	62.5	63.3	63.3	63.5	63.7	63.7	63.8	64.0	64.0	64.2	64.2	64.3	64.7
19.5	59.1	62.3	63.5	64.3	64.3	64.4	64.7	64.7	64.8	64.9	64.9	65.2	65.2	65.3	65.7
19.9	64.1	67.7	69.1	70.4	70.4	70.5	70.7	70.9	71.0	71.1	71.1	71.4	71.4	71.5	71.9
19.9	64.3	67.9	69.5	70.7	70.9	71.0	71.2	71.4	71.5	71.6	71.6	71.9	71.9	72.0	72.3
19.9	67.0	70.9	72.0	73.8	74.0	74.1	74.4	74.6	74.7	74.8	74.8	75.1	75.1	75.2	75.6
19.9	68.4	72.2	74.0	75.3	75.4	75.7	76.0	76.2	76.3	76.4	76.4	76.7	76.7	76.8	77.2
19.9	63.9	72.7	74.4	75.8	75.9	76.3	76.7	76.8	76.9	77.0	77.0	77.3	77.3	77.4	77.8
19.9	69.6	73.5	75.4	76.8	76.9	77.3	77.7	77.8	77.9	78.0	78.0	78.3	78.3	78.4	78.8
19.9	69.8	73.5	75.6	76.9	77.0	77.4	77.8	77.9	78.0	78.1	78.1	78.4	78.4	78.5	78.9
19.9	72.6	74.4	76.5	78.0	78.1	78.5	78.9	79.2	79.3	79.4	79.4	79.6	79.6	79.8	80.1
19.1	71.1	75.1	77.2	78.6	78.8	79.1	79.5	79.6	79.9	80.0	80.0	80.2	80.2	80.4	80.7
19.9	72.7	76.8	78.9	80.4	80.5	80.9	81.2	81.4	81.6	81.7	81.7	82.0	82.0	82.1	82.5
19.9	74.1	78.1	80.2	81.7	81.9	82.2	82.6	82.7	83.0	83.1	83.1	83.3	83.3	83.5	83.8
19.9	75.7	80.0	82.3	83.8	84.0	84.3	84.7	84.8	85.1	85.2	85.2	85.4	85.4	85.8	86.2
19.9	75.9	80.2	82.6	84.1	84.2	84.6	84.9	85.1	85.3	85.4	85.4	85.7	85.8	86.0	86.4
20.0	77.3	81.6	84.1	85.7	85.8	86.2	86.5	86.8	87.0	87.2	87.2	87.4	87.4	87.8	88.1
20.0	77.5	83.0	85.6	87.3	87.5	88.0	88.4	88.6	88.9	89.0	89.0	89.3	89.3	89.6	90.0
20.0	79.1	83.7	86.3	88.0	88.4	88.9	89.4	89.6	89.9	90.0	90.0	90.2	90.4	90.7	91.1
20.0	79.3	83.8	86.7	88.5	88.9	89.4	89.9	90.1	90.4	90.5	90.5	90.7	90.9	91.2	91.6
20.0	79.5	84.1	87.2	89.0	89.5	90.0	90.5	90.7	91.0	91.1	91.1	91.4	91.5	91.9	92.2
20.0	79.6	84.2	87.5	89.5	90.0	90.6	91.1	91.4	91.6	91.7	91.7	92.0	92.1	92.5	92.8
20.0	77.8	84.4	88.4	90.5	91.1	91.7	92.2	92.5	93.0	93.1	93.1	93.3	93.5	93.8	94.2
20.0	79.8	84.6	88.8	91.4	92.0	92.6	93.1	93.3	93.8	94.0	94.0	94.2	94.3	94.7	95.1
20.0	79.8	84.7	89.0	91.9	92.5	93.1	93.6	94.1	94.6	94.7	94.7	94.9	95.1	95.4	96.2
20.0	74.8	84.8	89.3	92.2	93.3	94.0	94.4	95.2	95.8	95.9	95.9	96.3	96.4	96.9	97.7
20.0	79.8	84.8	89.3	92.2	93.3	94.0	94.4	95.4	96.0	96.5	96.5	97.2	97.3	98.3	99.3
20.0	79.8	84.8	89.3	92.2	93.3	94.0	94.4	95.4	96.0	96.5	96.5	97.2	97.3	98.5	99.9
20.0	74.8	84.8	89.3	92.2	93.3	94.0	94.4	95.4	96.0	96.5	96.5	97.2	97.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 810

1 FEDERAL CLIMATOLOGY BRANCH  
 2 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-31 TYNDALE AFB, FL

73-31

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

5922-1126

23.4	61.4	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
24.4	66.4	67.9	67.9	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
24.9	66.8	68.3	68.3	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
24.9	67.2	68.6	68.6	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
25.3	68.3	69.8	69.8	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
26.2	74.3	75.8	75.8	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
26.2	74.7	76.4	76.4	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
26.2	76.9	78.9	78.9	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
26.3	77.8	80.0	80.0	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
26.3	77.8	80.0	80.0	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
26.4	78.9	81.4	81.4	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
26.4	79.3	81.7	81.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
26.5	81.5	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	83.7	83.7	83.7
26.7	81.9	84.3	84.3	85.1	85.1	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
26.8	83.0	85.7	85.7	86.5	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
26.9	84.3	87.2	87.2	88.3	88.4	88.5	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
26.9	85.3	88.1	88.3	89.4	89.5	89.9	90.0	90.2	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
26.9	85.4	88.3	88.4	89.5	89.6	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
26.9	86.4	89.3	89.8	91.0	91.1	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
26.9	86.4	91.7	92.3	93.6	93.7	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
26.9	89.7	92.3	93.7	94.2	94.3	94.7	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
26.9	89.4	93.7	93.6	94.8	94.9	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
26.9	89.9	93.8	94.6	95.8	95.9	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
26.9	90.2	94.2	94.9	96.3	96.4	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
26.9	90.4	94.3	95.2	96.5	96.7	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	97.4
26.9	90.5	94.6	95.4	96.9	97.0	97.7	98.0	98.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
26.9	90.6	94.7	95.7	97.2	97.3	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
26.9	90.6	94.8	95.8	97.3	97.5	98.4	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
26.9	90.6	94.8	95.8	97.3	97.5	98.4	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
26.9	91.6	94.8	95.8	97.3	97.5	98.4	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
26.9	91.6	94.8	95.8	97.3	97.5	98.4	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 810

FEDERAL CLIMATOLOGY BRANCH  
AFSS/STAC  
METEOROLOGICAL WEATHER SERVICE/MAO

# CEILING VERSUS VISIBILITY

73-75 TYNALL AFB FL

73-81

N4V

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

27.5	60.5	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
30.2	70.9	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
31.2	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	71.4
32.2	71.5	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
33.5	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	72.5
31.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
31.5	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
31.6	77.8	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
32.2	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	82.1
32.2	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	84.2
32.2	84.1	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
32.2	85.1	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	85.6	85.6
32.3	85.7	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
32.3	86.8	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	87.5	87.5	87.5
32.5	87.3	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	88.0	88.0	88.0
32.5	88.1	89.2	89.3	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
32.6	89.0	89.9	90.1	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
32.6	90.1	91.1	91.5	91.9	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
32.6	91.4	91.4	91.7	92.1	92.2	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
32.6	92.2	93.2	94.1	94.4	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
32.6	93.0	94.3	95.2	95.6	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
32.6	93.2	94.6	95.4	95.8	95.9	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
32.6	93.6	94.9	95.8	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
32.6	93.7	95.1	95.9	96.4	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
32.6	94.3	95.7	96.5	97.3	97.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
32.6	94.3	95.8	96.8	97.5	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
32.6	94.9	96.4	97.7	98.4	98.5	98.8	99.0	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
32.6	94.9	96.4	97.7	98.4	98.5	98.8	99.1	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6
32.6	94.9	96.4	97.7	98.4	98.5	99.0	99.4	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9
32.6	94.9	96.4	97.7	98.4	98.5	99.0	99.4	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9
32.6	94.9	96.4	97.7	98.4	98.5	99.0	99.4	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9
32.6	94.9	96.4	97.7	98.4	98.5	99.0	99.4	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 117

FEDERAL CLIMATOLOGY BRANCH  
WASH DC  
METEOROLOGICAL WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

707201 TYNDALE AFB FL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

26.7	61.1	61.6	61.7	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
27.4	71.5	71.7	71.1	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
27.4	71.5	71.7	71.1	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
27.4	71.6	71.1	71.2	71.2	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
27.5	71.6	72.1	72.3	72.3	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
27.5	73.0	73.5	73.7	73.7	73.7	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
28.1	76.7	77.3	77.5	77.5	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
28.1	76.8	77.4	77.7	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	77.8
28.8	80.2	80.9	81.1	81.1	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	81.2
28.8	81.6	82.7	83.0	83.0	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
28.8	82.8	84.7	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	84.3	84.3
28.8	83.3	84.4	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	84.8	84.8
28.8	84.7	85.1	85.3	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
28.9	85.8	87.7	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
28.9	86.2	87.4	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
28.9	87.3	89.7	89.3	89.4	89.4	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
29.1	87.9	89.9	90.2	90.4	90.6	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
29.1	87.3	92.0	92.3	92.6	92.8	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
29.1	89.4	92.1	92.6	92.8	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
29.1	91.6	93.5	94.6	94.9	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
29.1	91.1	94.7	95.2	95.7	95.9	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
29.1	91.4	94.2	95.4	96.0	96.3	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
29.1	91.5	94.3	95.6	96.2	96.4	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
29.1	91.7	94.8	96.2	96.9	97.2	97.7	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
29.1	91.9	94.9	96.3	97.0	97.3	97.8	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
29.1	91.9	95.2	96.5	97.4	97.7	98.1	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
29.1	92.1	95.4	96.8	97.9	98.1	98.6	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
29.1	92.1	95.4	96.8	98.1	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	99.6
29.1	92.1	95.4	96.8	98.1	98.5	99.0	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29.1	92.1	95.4	96.8	98.1	98.5	99.0	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29.1	92.1	95.4	96.8	98.1	98.5	99.0	99.5	99.6	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 810

1  
2  
1

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

# CEILING VERSUS VISIBILITY

1947 TYNACALL AFB FL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2100

22.1	65.2	66.4	66.4	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
23.1	71.4	72.7	72.7	73.0	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
23.1	71.4	72.7	72.7	73.0	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
23.1	71.4	72.7	72.7	73.0	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
23.3	72.6	74.1	74.1	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
23.5	73.5	74.9	74.9	75.2	75.2	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
23.7	75.6	77.3	77.3	77.5	77.5	77.5	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
23.7	75.7	77.4	77.4	77.7	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
24.0	79.9	81.6	81.6	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
24.2	80.6	82.7	82.7	83.2	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
24.2	81.7	83.4	83.8	84.3	84.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
24.3	82.7	84.8	84.9	85.4	85.4	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
24.3	82.7	84.8	84.9	85.4	85.4	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
24.3	84.4	86.7	86.8	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
24.3	85.3	87.5	87.7	88.1	88.1	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
24.3	86.3	89.2	89.3	89.8	89.8	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
24.3	87.4	90.2	90.9	91.4	91.4	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
24.3	88.8	91.9	92.6	93.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
24.3	88.8	92.0	92.7	93.5	93.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
24.3	89.3	92.7	93.5	94.2	94.2	94.2	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
24.3	89.4	93.1	94.1	95.1	95.1	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
24.3	90.7	93.7	94.8	95.8	95.8	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
24.3	90.4	94.1	95.2	96.2	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
24.3	90.7	94.4	95.6	96.5	96.5	96.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
24.3	90.9	94.7	95.9	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
24.3	90.9	94.7	95.9	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
24.3	91.0	95.2	96.4	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
24.3	91.0	95.2	96.9	98.1	98.1	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
24.3	91.0	95.3	97.4	98.6	98.6	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
24.3	91.0	95.3	97.4	98.6	98.6	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
24.3	91.0	95.3	97.4	98.6	98.6	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
24.3	91.0	95.3	97.4	98.6	98.6	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 110



0  
2

CENTRAL CLIMATOLOGY BRANCH  
WAFBPTAC  
AIR WEATHER SERVICE/MAO

# CEILING VERSUS VISIBILITY

STATION TYNSTALL AFB FL

73-51

NO.

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

19.9	63.8	66.3	67.9	69.1	69.2	69.3	69.3	69.3	69.5	69.5	69.5	69.7	69.7	69.8	69.8
21.1	69.2	71.8	73.4	74.7	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.3	75.3	75.4	75.4
21.1	69.2	71.8	73.4	74.7	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.3	75.3	75.4	75.4
21.1	69.2	71.8	73.4	74.7	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.3	75.3	75.4	75.4
21.1	69.5	72.1	73.7	74.9	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.5	75.5	75.6	75.6
21.1	71.0	73.5	75.2	76.4	76.5	76.6	76.6	76.6	76.8	76.8	76.8	77.0	77.0	77.1	77.1
21.3	73.1	75.8	77.4	78.7	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.4	79.4	79.5	79.5
21.3	73.2	75.9	77.5	78.9	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.5	79.5	79.6	79.6
22.2	76.4	79.5	81.1	82.6	82.7	82.8	82.8	82.8	82.9	82.9	82.9	83.2	83.2	83.3	83.3
22.2	76.6	80.1	81.8	83.3	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.9	83.9	84.1	84.1
22.2	77.4	80.8	82.6	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.7	84.7	84.8	84.8
22.2	78.2	81.7	83.6	85.4	85.5	85.7	85.7	85.7	85.8	85.8	85.8	86.0	86.0	86.2	86.2
22.2	78.4	82.0	83.8	85.7	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.3	86.3	86.4	86.4
22.2	79.1	82.7	84.5	86.4	86.5	86.7	86.7	86.7	86.8	86.8	86.8	87.0	87.0	87.1	87.1
22.2	79.6	83.2	85.0	86.9	87.0	87.1	87.1	87.1	87.3	87.3	87.3	87.5	87.5	87.6	87.6
22.2	80.3	84.3	86.2	88.0	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.6	88.6	88.8	88.8
22.2	80.6	85.2	87.0	88.9	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.5	89.5	89.6	89.6
22.2	81.8	87.1	89.5	91.3	91.5	91.6	91.6	91.6	91.7	91.7	91.7	92.0	92.0	92.1	92.1
22.2	81.8	87.3	89.6	91.5	91.6	91.7	91.7	91.7	91.8	91.8	91.8	92.1	92.1	92.2	92.2
22.2	82.4	88.1	90.5	92.3	92.5	92.6	92.6	92.6	92.7	92.7	92.7	93.0	93.0	93.1	93.1
22.2	83.3	89.7	91.6	93.7	93.8	93.9	93.9	93.9	94.1	94.1	94.1	94.3	94.3	94.4	94.4
22.2	83.9	89.7	92.3	94.4	94.7	94.8	94.8	94.8	94.9	94.9	94.9	95.2	95.2	95.3	95.3
22.2	84.2	90.0	92.6	94.7	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.4	95.4	95.6	95.6
22.2	84.4	90.2	93.0	95.1	95.3	95.4	95.4	95.4	95.6	95.6	95.6	95.8	95.8	95.9	95.9
22.2	84.5	90.4	93.3	95.4	95.7	95.8	95.8	95.8	95.9	95.9	95.9	96.2	96.2	96.3	96.3
22.2	84.5	90.4	93.4	95.6	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.3	96.3	96.4	96.4
22.2	84.5	90.7	94.2	96.4	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.4	97.4	97.5	97.5
22.2	84.9	91.1	94.8	97.1	97.4	97.7	97.7	97.7	97.8	97.8	97.8	98.1	98.1	98.3	98.3
22.4	85.0	91.2	94.9	97.3	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.5	98.5	98.6	98.6
22.4	85.0	91.2	94.9	97.3	97.7	97.9	97.9	97.9	98.0	98.1	98.3	98.3	98.8	98.8	99.3
22.4	85.0	91.2	94.9	97.3	97.7	97.9	97.9	98.0	98.1	98.4	98.4	99.0	99.0	99.8	99.9
22.4	85.0	91.2	94.9	97.3	97.7	97.9	97.9	98.0	98.1	98.4	98.4	99.0	99.0	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 829

WAFBPTAC TYNSTALL AFB FL 73-51

2

FEDERAL CLIMATOLOGY BRANCH  
WAFSCAC  
METEOROLOGICAL SERVICE/AFAC

# CEILING VERSUS VISIBILITY

1975 TAYDALL AFB FL

73-81

426

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

21.4	60.2	62.2	63.0	63.9	64.0	64.1	64.2	64.2	64.3	64.4	64.4	64.5	64.5	64.5	64.5
22.0	66.4	68.5	69.4	70.3	70.4	70.6	70.6	70.7	70.8	70.9	70.9	71.0	71.0	71.1	71.1
22.7	66.4	68.7	69.5	70.4	70.5	70.6	70.7	70.8	70.9	70.9	71.0	71.1	71.1	71.2	71.2
22.7	66.5	68.8	69.6	70.5	70.6	70.8	70.8	70.9	71.0	71.1	71.1	71.2	71.2	71.3	71.3
23.0	67.7	69.3	70.1	71.1	71.2	71.3	71.4	71.4	71.5	71.6	71.6	71.7	71.7	71.8	71.8
23.1	68.3	70.5	71.4	72.4	72.4	72.6	72.7	72.7	72.8	72.9	72.9	73.0	73.0	73.1	73.2
23.4	71.7	74.2	75.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.8	76.9	76.9	77.0	77.0
23.4	71.9	74.5	75.4	76.5	76.6	76.8	76.8	76.9	77.0	77.1	77.1	77.2	77.2	77.3	77.4
23.8	75.1	77.9	78.8	79.9	80.0	80.2	80.3	80.3	80.4	80.5	80.5	80.6	80.6	80.7	80.8
23.8	76.2	79.1	80.1	81.3	81.4	81.6	81.6	81.7	81.8	81.9	81.9	82.0	82.0	82.1	82.2
23.8	76.8	79.8	80.7	81.9	82.0	82.2	82.3	82.4	82.5	82.5	82.6	82.7	82.7	82.8	82.9
23.9	77.6	80.6	81.7	82.9	83.0	83.2	83.3	83.4	83.5	83.6	83.6	83.7	83.7	83.8	83.9
24.0	77.9	81.0	82.1	83.3	83.4	83.6	83.7	83.8	83.9	83.9	84.0	84.1	84.1	84.2	84.3
24.0	79.2	82.4	83.5	84.7	84.8	85.0	85.1	85.2	85.3	85.4	85.4	85.5	85.5	85.6	85.7
24.1	79.7	82.9	84.0	85.3	85.4	85.6	85.8	85.9	86.0	86.0	86.1	86.2	86.2	86.3	86.4
24.2	81.6	84.1	85.3	86.7	86.9	87.1	87.2	87.3	87.4	87.5	87.5	87.7	87.7	87.8	87.8
24.2	81.6	85.2	86.5	87.9	88.1	88.3	88.5	88.6	88.7	88.8	88.8	88.9	88.9	89.0	89.1
24.3	82.9	86.2	88.3	89.7	89.9	90.2	90.4	90.5	90.6	90.7	90.7	90.9	90.9	91.0	91.1
24.3	83.0	87.7	88.4	89.9	90.1	90.4	90.6	90.6	90.8	90.9	90.9	91.0	91.0	91.2	91.2
24.3	84.1	88.1	89.7	91.3	91.5	91.8	91.9	92.1	92.2	92.3	92.3	92.4	92.5	92.6	92.6
24.3	84.8	89.2	90.9	92.6	92.8	93.1	93.3	93.4	93.5	93.6	93.6	93.8	93.8	93.9	94.0
24.3	85.3	89.7	91.5	93.2	93.4	93.8	94.0	94.1	94.2	94.3	94.3	94.5	94.5	94.6	94.7
24.3	85.6	90.0	91.9	93.5	93.8	94.1	94.4	94.5	94.6	94.7	94.7	94.9	94.9	95.0	95.1
24.3	85.8	90.3	92.2	93.9	94.2	94.5	94.7	94.9	95.0	95.1	95.1	95.2	95.3	95.4	95.4
24.3	86.1	90.7	92.7	94.5	94.8	95.2	95.4	95.5	95.7	95.8	95.8	95.9	95.9	96.1	96.1
24.3	86.2	91.0	93.0	94.9	95.2	95.6	95.8	95.9	96.1	96.2	96.2	96.3	96.4	96.5	96.6
24.3	86.3	91.1	93.5	95.5	95.9	96.3	96.5	96.7	96.9	96.9	97.0	97.1	97.1	97.3	97.4
24.3	86.4	91.2	93.7	95.9	96.3	96.8	97.1	97.3	97.4	97.5	97.5	97.7	97.7	97.9	98.1
24.3	86.4	91.3	93.9	96.1	96.6	97.1	97.5	97.7	97.9	98.0	98.0	98.3	98.3	98.5	98.6
24.3	86.4	91.3	93.9	96.1	96.6	97.1	97.5	97.8	98.0	98.2	98.2	98.5	98.5	99.1	99.3
24.3	86.4	91.3	93.9	96.1	96.6	97.1	97.5	97.8	98.0	98.3	98.3	98.6	98.7	99.5	99.9
24.3	86.4	91.3	93.9	96.1	96.6	97.1	97.5	97.8	98.0	98.3	98.3	98.6	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 5475

USAF ETA

WALL CLIMATOLOGY BRANCH  
 WPTAC  
 WEATHER SERVICE / MAC

# CEILING VERSUS VISIBILITY

WALL AFB FL

73-81

280

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1000-2200

52.1	53.4	56.2	57.3	58.2	58.2	58.7	59.0	59.0	59.1	59.1	59.1	59.1	59.3	59.5	59.6	60.5
52.1	57.1	60.5	61.2	62.0	62.1	62.6	63.0	63.0	63.1	63.1	63.1	63.2	63.4	63.6	64.8	
52.1	57.1	57.5	61.2	62.0	62.1	62.6	63.0	63.0	63.1	63.1	63.1	63.2	63.4	63.6	64.8	
52.1	57.1	60.5	61.2	62.0	62.1	62.6	63.0	63.0	63.1	63.1	63.1	63.2	63.4	63.6	64.8	
23.1	58.3	61.7	62.5	63.3	63.4	63.9	64.3	64.3	64.4	64.4	64.4	64.5	64.8	64.9	66.1	
24.1	60.0	63.4	64.2	65.0	65.1	65.6	65.9	65.9	66.1	66.1	66.1	66.3	66.5	66.7	67.7	
24.3	61.5	65.4	66.1	66.9	67.0	67.5	67.9	67.9	68.0	68.0	68.0	68.2	68.5	68.6	69.4	
24.3	61.7	65.7	66.4	67.3	67.4	67.9	68.2	68.2	68.3	68.3	68.3	68.6	68.8	69.1	70.3	
24.4	63.7	67.5	68.2	69.2	69.3	69.8	70.1	70.1	70.3	70.3	70.3	70.5	70.7	71.0	72.2	
24.4	64.4	69.7	69.1	70.0	70.1	70.6	71.0	71.0	71.1	71.1	71.1	71.3	71.6	71.8	73.0	
24.4	65.7	69.8	70.6	71.6	71.7	72.2	72.5	72.5	72.6	72.6	72.6	72.9	73.1	73.4	74.6	
24.5	67.5	71.7	72.5	73.5	73.6	74.1	74.4	74.4	74.6	74.6	74.6	74.8	75.0	75.3	76.5	
24.5	67.7	72.0	72.9	73.8	74.0	74.4	74.8	74.8	74.9	74.9	74.9	75.1	75.4	75.6	76.8	
24.5	69.2	72.4	73.4	74.3	74.6	75.1	75.5	75.5	75.6	75.6	75.6	75.9	76.1	76.3	77.5	
24.5	69.1	73.2	74.2	75.1	75.4	76.0	76.3	76.3	76.5	76.5	76.5	76.7	76.9	77.2	78.4	
24.5	71.3	75.7	76.8	77.8	78.1	78.7	79.1	79.1	79.2	79.2	79.2	79.5	79.7	79.9	81.1	
25.0	73.4	79.1	79.2	80.3	80.6	81.2	81.6	81.6	81.7	81.7	81.7	82.1	82.3	82.6	83.8	
26.2	75.9	80.8	82.1	83.3	83.6	84.2	84.6	84.6	84.7	84.7	84.7	85.1	85.3	85.5	86.7	
26.2	75.9	80.9	82.2	83.4	83.8	84.3	84.7	84.7	84.8	84.8	84.8	85.2	85.4	85.7	86.9	
26.3	78.1	83.4	84.7	86.0	86.4	87.0	87.3	87.3	87.5	87.5	87.5	87.8	88.1	88.3	89.5	
26.3	78.3	83.5	84.9	86.3	86.6	87.2	87.6	87.6	87.7	87.7	87.7	88.1	88.3	88.5	89.7	
26.4	78.6	84.3	85.9	87.3	87.7	88.3	88.6	88.6	88.8	88.8	88.8	89.1	89.4	89.6	90.8	
26.4	78.7	84.6	86.1	87.7	88.1	88.6	89.0	89.0	89.1	89.1	89.1	89.5	89.7	90.0	91.2	
26.4	79.7	84.8	86.7	88.3	88.6	89.2	89.6	89.6	89.7	89.7	89.7	90.1	90.3	90.6	91.8	
26.4	79.1	85.1	87.1	88.8	89.2	89.8	90.2	90.2	90.3	90.3	90.3	90.7	90.9	91.2	92.4	
26.5	79.5	85.8	88.1	89.7	90.2	90.9	91.3	91.3	91.4	91.4	91.4	91.8	92.0	92.4	93.5	
26.5	79.6	86.1	88.5	90.4	91.2	92.0	92.4	92.4	92.5	92.5	92.5	93.1	93.3	93.7	94.9	
26.5	79.7	86.5	88.9	90.8	91.5	92.4	92.7	92.7	92.8	92.8	92.8	93.4	93.7	94.1	95.3	
26.5	79.7	86.5	89.0	91.5	92.2	93.1	93.4	93.4	93.5	93.5	93.5	94.1	94.4	94.9	96.2	
26.5	79.7	86.5	89.0	91.9	92.6	93.5	93.9	94.1	94.3	94.4	94.5	95.2	95.5	96.7	98.3	
26.5	79.7	86.5	89.0	91.9	92.6	93.5	93.9	94.3	94.7	94.9	95.1	95.9	96.2	97.4	99.6	
26.5	79.7	86.5	89.0	91.9	92.6	93.5	93.9	94.3	94.7	94.9	95.1	95.9	96.2	97.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 837

1  
2  
1  
FEDERAL BUREAU OF INVESTIGATION  
CLIMATOLOGY BRANCH  
TAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

175 TYNALL AFB FL

73-91

959

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0320-1950

21.0	52.0	54.4	55.8	54.4	56.5	56.8	56.8	56.8	57.0	57.0	57.0	57.1	57.1	57.2	54.4
23.1	55.7	58.8	59.7	67.3	60.5	60.7	60.7	60.7	60.9	60.9	60.9	61.1	61.1	61.2	62.4
23.3	55.9	59.7	67.0	67.6	60.7	60.9	60.9	60.9	61.2	61.2	61.2	61.3	61.7	61.4	60.6
23.4	55.9	59.7	67.0	67.6	60.7	60.9	60.9	60.9	61.2	61.2	61.2	61.3	61.7	61.4	62.1
23.4	56.3	59.4	67.3	67.9	61.1	61.3	61.3	61.3	61.5	61.5	61.5	61.6	61.6	61.8	67.7
24.4	57.6	67.7	61.6	62.2	62.4	62.6	62.6	62.6	62.8	62.8	62.8	63.7	63.0	63.1	64.3
24.7	59.1	62.2	63.2	63.9	64.0	64.3	64.3	64.3	64.5	64.5	64.5	64.6	64.6	64.8	65.0
24.9	59.3	62.4	63.3	64.0	64.2	64.4	64.4	64.4	64.6	64.6	64.6	64.8	64.8	64.9	66.1
25.1	61.2	64.3	65.2	65.9	66.1	66.3	66.3	66.3	66.5	66.5	66.5	66.8	66.7	66.7	66.7
25.7	62.0	65.1	66.1	66.8	66.9	67.1	67.1	67.1	67.4	67.4	67.4	67.5	67.5	67.6	68.8
25.7	63.0	66.3	67.3	68.0	68.1	68.3	68.3	68.3	68.6	68.6	68.6	68.7	68.7	68.8	70.7
25.4	64.4	67.7	68.7	69.4	69.5	69.8	69.8	69.8	70.2	70.2	70.2	70.1	70.1	70.3	71.6
25.6	65.1	68.5	69.4	70.1	70.3	70.5	70.5	70.5	70.7	70.7	70.7	70.8	70.8	71.0	72.7
25.7	66.7	70.3	71.4	72.2	72.3	72.5	72.6	72.8	73.1	73.1	73.1	73.2	73.2	73.4	74.6
25.0	68.0	71.6	72.8	73.5	73.6	73.8	74.0	74.1	74.4	74.4	74.4	74.6	74.6	74.7	75.9
25.7	69.3	73.6	75.1	76.0	76.1	76.3	76.5	76.6	76.9	76.9	76.9	77.1	77.1	77.2	78.4
25.5	70.8	75.7	77.5	78.4	78.5	78.7	78.9	79.0	79.3	79.3	79.3	79.5	79.5	79.6	80.9
25.6	73.2	78.1	80.0	81.1	81.2	81.6	81.7	81.8	82.2	82.2	82.2	82.3	82.3	82.4	83.6
25.4	73.2	78.3	80.2	81.2	81.4	81.7	81.8	82.0	82.3	82.3	82.3	82.4	82.4	82.6	83.5
25.6	75.3	80.4	82.3	83.4	83.5	83.9	84.0	84.1	84.5	84.5	84.5	84.6	84.6	84.7	85.9
25.6	76.3	81.7	83.6	84.8	84.9	85.5	85.7	85.8	86.1	86.1	86.1	86.3	86.3	86.4	87.5
25.6	77.4	82.9	84.9	86.1	86.4	87.0	87.2	87.3	87.7	87.7	87.7	87.8	87.8	87.9	89.1
25.6	77.4	82.9	84.9	86.1	86.4	87.0	87.2	87.3	87.7	87.7	87.7	87.8	87.8	87.9	89.1
25.6	77.8	83.8	85.9	87.3	87.6	88.2	88.4	88.5	88.9	88.9	88.9	89.0	89.0	89.2	90.4
25.6	78.1	84.1	86.3	87.7	87.9	88.5	88.8	89.7	89.7	89.7	89.7	89.8	89.8	89.8	91.4
25.5	78.3	84.5	86.6	88.3	88.5	89.1	89.4	89.6	90.3	90.3	90.3	90.4	90.4	90.8	92.0
25.6	78.4	84.8	87.0	88.8	89.2	90.3	90.6	90.8	91.5	91.5	91.5	91.8	91.8	92.1	93.7
25.6	78.6	85.2	87.6	89.6	90.1	91.2	91.4	91.6	92.4	92.4	92.4	92.8	92.8	93.3	94.5
25.6	78.6	85.3	87.9	90.4	91.0	92.2	92.5	92.7	93.8	93.8	93.8	94.7	94.7	95.7	96.5
25.6	78.6	85.3	87.9	90.5	91.2	92.7	93.1	93.3	94.4	94.7	94.7	95.8	95.9	96.7	98.4
25.6	78.6	85.3	87.9	90.6	91.2	92.7	93.1	93.3	94.5	95.1	95.1	96.3	96.4	97.11	100.0
25.6	78.6	85.3	87.9	90.6	91.2	92.7	93.1	93.3	94.5	95.1	95.1	96.3	96.4	97.11	100.0

TOTAL NUMBER OF OBSERVATIONS 277

# CEILING VERSUS VISIBILITY

WALL AFB FL

72-81

251

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

15.0-2500

50.4	51.4	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4	52.4	52.4
55.7	58.2	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.3	59.4	59.4	59.4
55.7	58.5	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.6	59.7	59.7	59.7
55.7	58.5	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.6	59.7	59.7	59.7
57.7	59.5	60.1	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.7	60.8	60.8	60.8
57.9	60.5	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.6	61.9	61.9	61.9
60.3	63.7	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8	64.8	64.9	64.9	64.9
60.3	63.7	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8	64.8	64.9	64.9	64.9
61.1	64.2	64.6	64.6	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.5	65.5	65.5	65.5
63.0	66.2	66.9	67.1	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	68.1	68.1	68.1
64.5	68.7	68.8	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.7	69.7	69.7	69.9	69.9	69.9
64.5	68.7	68.8	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.7	69.7	69.7	69.9	69.9	69.9
64.8	69.0	69.1	69.3	69.7	69.8	69.8	69.8	69.8	69.8	69.9	69.9	70.1	70.3	70.3	70.3
65.8	69.3	70.3	70.5	70.8	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.4	71.4	71.4
66.4	69.7	70.8	71.1	71.4	71.5	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.9	71.9	71.9
68.1	71.7	72.8	73.0	73.4	73.5	73.6	73.6	73.6	73.6	73.7	73.7	74.0	74.1	74.2	74.2
69.2	72.8	73.8	74.1	74.4	74.6	74.7	74.7	74.7	74.7	74.9	74.9	74.9	75.0	75.1	75.1
70.4	74.2	75.4	76.0	76.3	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.9	77.1	77.2	77.2
71.4	75.3	77.8	78.5	78.9	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.5	79.6	79.7	79.7
74.1	79.0	80.4	81.1	81.5	81.6	81.7	81.7	81.7	81.8	81.8	82.1	82.2	82.3	82.3	82.3
74.3	79.2	80.8	81.5	81.8	82.0	82.1	82.1	82.1	82.2	82.2	82.4	82.5	82.7	82.7	82.7
75.5	80.6	82.4	83.2	83.5	83.6	83.8	83.8	83.8	83.9	83.9	84.1	84.2	84.3	84.3	84.3
75.7	81.2	83.0	83.8	84.1	84.5	84.6	84.6	84.6	84.7	84.7	84.9	85.1	85.2	85.2	85.2
76.7	82.4	84.3	85.2	85.5	85.9	86.0	86.0	86.3	86.4	86.4	86.6	86.7	87.0	87.0	87.0
77.1	82.8	84.8	85.7	86.0	86.4	86.5	86.5	86.7	86.9	86.9	87.1	87.2	87.5	87.5	87.5
77.5	83.5	85.7	86.5	86.9	87.2	87.3	87.3	87.6	87.7	87.7	87.9	88.1	88.3	88.3	88.3
77.7	84.0	86.4	87.3	87.7	88.2	88.3	88.4	88.8	88.9	88.9	89.1	89.2	89.5	89.5	89.5
77.9	84.5	87.3	88.4	88.8	89.4	89.6	89.7	90.1	90.2	90.2	90.4	90.6	90.8	90.8	90.8
77.9	85.1	88.5	89.8	90.3	91.2	91.4	91.5	91.9	92.0	92.0	92.2	92.4	92.5	92.5	92.5
78.0	85.2	88.6	90.3	90.8	91.8	92.1	92.2	92.7	92.8	92.8	93.1	93.2	93.4	93.4	93.4
78.0	85.3	88.9	90.7	91.2	92.2	92.8	93.1	93.5	93.9	93.9	94.5	94.5	94.9	94.9	94.9
78.0	85.3	88.9	90.7	91.2	92.4	93.0	93.2	93.7	94.1	94.1	94.9	95.0	95.5	95.5	95.5
78.0	85.3	88.9	90.7	91.3	92.5	93.1	93.3	93.8	94.4	94.4	95.1	95.2	96.9	96.9	96.9
78.0	85.3	88.9	90.7	91.3	92.5	93.1	93.3	93.8	94.4	94.4	95.1	95.2	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 817

1  
2  
1

REGIONAL CLIMATOLOGY BRANCH  
OFFICE  
METEOROLOGICAL SERVICE/STANDARD

# CEILING VERSUS VISIBILITY

TOTAL AREA FILE NO. 73-21 STATION NO. 800

PERCENTAGE FREQUENCY OF DIFFERENCE FROM HOURLY OBSERVATIONS

73.2	53.4	51.7	53.6	51.9	51.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
73.2	51.8	51.7	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
73.2	51.9	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
73.2	51.1	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
73.2	52.8	57.2	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
73.2	53.8	54.4	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
73.2	56.7	57.5	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
73.2	60.3	62.1	65.6	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
73.2	63.7	71.2	71.5	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
73.2	72.1	73.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
73.2	73.1	74.1	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	74.8	74.8
73.2	74.3	75.5	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
73.2	74.6	75.7	76.3	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
73.2	76.5	77.8	78.6	78.7	78.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
73.2	77.7	78.9	79.8	80.0	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
73.2	78.2	81.5	81.5	81.7	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
73.2	80.7	81.7	82.7	83.2	83.2	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
73.2	81.7	87.2	84.9	85.0	85.5	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
73.2	81.8	84.7	85.1	85.7	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
73.2	82.4	85.1	86.4	87.2	87.2	87.6	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
73.2	82.9	85.8	87.1	88.1	88.1	88.5	88.9	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
73.2	83.6	86.6	88.3	89.2	89.4	89.8	90.2	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
73.2	83.9	87.1	88.6	89.7	90.0	90.4	90.6	91.7	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
73.2	84.1	87.2	89.0	90.1	90.3	90.9	91.3	91.5	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
73.2	84.2	87.5	89.4	90.7	90.9	91.5	92.0	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
73.2	84.8	88.5	90.7	92.7	92.2	92.8	93.4	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
73.2	85.2	86.7	91.2	92.8	93.3	94.7	94.7	95.1	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
73.2	85.4	89.4	91.6	93.4	94.0	94.0	94.0	95.7	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
73.2	85.4	89.5	91.8	93.8	94.5	95.5	96.7	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
73.2	85.4	89.5	91.8	93.8	94.5	95.5	96.7	97.1	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
73.2	85.4	89.5	91.8	93.8	94.5	95.5	96.7	97.1	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
73.2	85.4	89.5	91.8	93.8	94.5	95.5	96.7	97.1	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 537



1  
2  
1

FEDERAL METEOROLOGICAL BUREAU  
WASHINGTON, D. C.  
OFFICE OF CLIMATE SERVICE

### CEILING VERSUS VISIBILITY

WATERGATE AIR FIELD

72-91

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1950-1970

27.0	58.6	58.4	58.4	58.4	58.4	58.6	58.8	58.7	58.4	58.5	58.6	58.9	58.8	57.7	57.7
27.5	63.3	64.4	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.9	64.7	65.0	65.0
28.0	63.4	64.5	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	65.0	65.0	65.1	65.1
28.5	63.4	64.5	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	65.0	65.0	65.1	65.1
29.0	65.2	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.8	66.8	66.9	66.9
29.5	66.4	67.5	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.2	68.3	68.3
30.0	70.4	71.7	71.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.5	72.5
30.5	70.5	71.9	72.2	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.8	72.8
31.0	74.9	76.5	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	77.2	77.2	77.3	77.3
32.0	77.9	79.6	79.8	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3	80.4	80.4
32.5	77.9	80.2	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.9	80.9	81.0	81.0
33.0	79.9	81.7	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.6	82.7	82.7
33.5	81.8	82.6	83.0	83.0	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.6	83.6	83.8	83.8
34.0	82.1	84.3	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.4	85.4	85.5	85.5
34.5	82.9	85.2	85.7	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.4	86.4	86.5	86.5
35.0	84.6	87.2	87.7	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.6	88.6
35.5	85.8	88.6	89.4	89.6	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.4	90.4	90.6	90.6
36.0	86.4	89.8	91.0	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.4	92.4
36.5	86.9	90.3	91.5	91.8	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.7	92.8	92.8
37.0	87.9	91.5	92.8	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	94.1	94.1	94.2	94.2
37.5	88.4	92.0	93.3	93.8	93.8	94.5	94.5	94.5	94.5	94.5	94.5	94.7	94.7	94.9	94.9
38.0	88.6	92.4	93.9	94.5	94.5	95.2	95.2	95.3	95.3	95.3	95.3	95.6	95.6	95.7	95.7
38.5	88.9	92.7	94.3	95.0	95.0	95.7	95.7	95.8	95.8	95.8	95.8	96.1	96.1	96.2	96.2
39.0	89.2	93.1	94.6	95.6	95.6	96.3	96.3	96.4	96.4	96.4	96.4	96.7	96.7	96.8	96.8
39.5	89.8	93.8	95.3	95.7	95.7	96.7	96.7	96.7	96.7	96.7	96.7	97.0	97.0	97.2	97.2
40.0	90.2	94.1	95.7	97.1	97.1	97.8	97.8	98.0	98.0	98.0	98.0	98.2	98.2	98.3	98.3
40.5	90.4	94.4	95.9	97.4	97.5	98.2	98.3	98.4	98.6	98.6	98.6	98.8	98.8	98.9	98.9
41.0	90.4	94.4	95.9	97.4	97.5	98.3	98.4	98.6	98.8	98.8	98.8	99.2	99.2	99.3	99.3
41.5	90.4	94.4	95.9	97.5	97.6	98.4	98.7	98.8	99.0	99.0	99.0	99.4	99.4	99.5	99.5
42.0	90.4	94.4	95.9	97.5	97.6	98.4	98.7	98.8	99.0	99.0	99.0	99.4	99.4	99.5	99.5
42.5	90.4	94.4	95.9	97.5	97.6	98.4	98.7	98.8	99.0	99.0	99.0	99.5	99.5	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 537



1  
2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

730 TYNDALE AFB FL

73-81

250

PER CENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1950-1953

55.7	56.4	56.5	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	57.1	57.1	57.2	57.3	57.4	58.0
61.9	62.4	62.5	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.2	63.3	63.4	64.0
67.9	67.4	67.5	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	68.1	68.1	68.2	68.3	68.4	69.0
63.8	63.8	63.9	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.5	64.5	64.6	64.7	64.9	65.5
67.4	67.4	67.5	67.6	67.7	67.8	67.9	67.9	67.9	67.9	67.9	68.1	68.1	68.2	68.3	68.4	69.0
69.3	69.3	69.4	69.5	69.6	69.7	69.8	69.8	69.8	69.8	69.8	70.1	70.1	70.2	70.3	70.4	71.0
70.3	70.3	70.4	70.5	70.6	70.7	70.8	70.8	70.8	70.8	70.8	71.1	71.1	71.2	71.3	71.4	72.0
72.3	72.3	72.4	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.8	73.1	73.1	73.2	73.3	73.4	74.0
74.3	74.3	74.4	74.5	74.6	74.7	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.2	75.3	75.4	76.0
76.3	76.3	76.4	76.5	76.6	76.7	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.2	77.3	77.4	78.0
78.3	78.3	78.4	78.5	78.6	78.7	78.8	78.8	78.8	78.8	78.8	79.1	79.1	79.2	79.3	79.4	80.0
79.3	79.3	79.4	79.5	79.6	79.7	79.8	79.8	79.8	79.8	79.8	80.1	80.1	80.2	80.3	80.4	81.0
81.3	81.3	81.4	81.5	81.6	81.7	81.8	81.8	81.8	81.8	81.8	82.1	82.1	82.2	82.3	82.4	83.0
83.3	83.3	83.4	83.5	83.6	83.7	83.8	83.8	83.8	83.8	83.8	84.1	84.1	84.2	84.3	84.4	85.0
85.3	85.3	85.4	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.8	86.1	86.1	86.2	86.3	86.4	87.0
87.3	87.3	87.4	87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	88.1	88.1	88.2	88.3	88.4	89.0
89.3	89.3	89.4	89.5	89.6	89.7	89.8	89.8	89.8	89.8	89.8	90.1	90.1	90.2	90.3	90.4	91.0
91.3	91.3	91.4	91.5	91.6	91.7	91.8	91.8	91.8	91.8	91.8	92.1	92.1	92.2	92.3	92.4	93.0
93.3	93.3	93.4	93.5	93.6	93.7	93.8	93.8	93.8	93.8	93.8	94.1	94.1	94.2	94.3	94.4	95.0
95.3	95.3	95.4	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	96.1	96.1	96.2	96.3	96.4	97.0
97.3	97.3	97.4	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	98.1	98.1	98.2	98.3	98.4	99.0
99.3	99.3	99.4	99.5	99.6	99.7	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 234



2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81 TYNDALL AFB FL

73-81

910

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

52.7	53.4	55.2	56.7	57.0	57.1	57.3	57.6	57.6	57.6	58.0	58.0	58.2	58.7	59.5	59.6
54.2	59.7	60.8	62.4	62.7	62.8	63.1	63.3	63.3	63.3	63.8	63.8	63.9	63.9	64.3	65.3
64.2	59.0	60.8	62.4	62.7	62.8	63.1	63.3	63.3	63.3	63.8	63.8	63.9	63.9	64.3	65.7
64.2	59.0	60.8	62.4	62.7	62.8	63.1	63.3	63.3	63.3	63.8	63.8	63.9	63.9	64.3	65.7
61.6	61.3	61.9	63.4	63.8	63.9	64.1	64.4	64.4	64.4	64.9	64.9	65.7	65.7	66.3	66.4
61.6	61.6	63.5	65.1	65.5	65.6	65.8	66.1	66.1	66.1	66.5	66.5	66.7	66.7	67.0	68.1
63.9	65.2	67.5	67.9	68.7	68.7	68.2	68.5	68.5	68.5	68.9	68.9	69.1	69.1	69.4	70.5
64.7	66.1	67.6	69.0	69.1	69.2	69.6	69.6	69.6	69.6	69.1	69.1	69.2	69.2	69.5	70.6
66.7	68.7	70.3	70.6	70.7	71.0	71.2	71.2	71.2	71.2	71.7	71.7	71.8	71.8	72.2	73.3
68.6	68.8	70.9	72.4	72.8	72.9	73.1	73.4	73.4	73.4	73.9	73.9	74.0	74.0	74.3	75.4
69.4	71.9	73.4	72.7	73.9	74.1	74.3	74.3	74.3	74.3	74.8	74.8	74.9	74.9	75.3	76.4
71.6	74.3	75.9	75.3	76.4	76.6	76.9	76.9	76.9	76.9	77.3	77.3	77.5	77.5	77.8	78.9
72.1	74.8	76.4	75.7	76.9	77.2	77.5	77.5	77.5	77.5	77.9	77.9	78.1	78.1	78.4	79.5
73.1	76.7	77.6	77.9	78.1	78.5	78.8	78.8	78.8	78.8	79.3	79.3	79.4	79.4	79.7	80.8
73.6	76.5	78.1	78.4	78.5	79.0	79.3	79.3	79.3	79.3	79.7	79.7	79.9	79.9	80.2	81.3
75.4	78.4	80.0	80.5	80.6	81.2	81.4	81.4	81.4	81.4	81.9	81.9	82.0	82.0	82.4	83.5
77.1	80.2	81.8	82.3	82.6	83.2	83.5	83.5	83.5	83.5	83.9	83.9	84.1	84.1	84.4	85.5
78.2	81.4	83.0	83.5	83.8	84.4	84.7	84.7	84.7	84.7	85.1	85.1	85.3	85.3	85.6	86.7
78.4	81.7	83.2	83.7	84.1	84.7	84.9	84.9	84.9	84.9	85.4	85.4	85.5	85.5	85.9	86.9
79.7	83.0	84.5	85.0	85.4	86.0	86.2	86.2	86.2	86.2	86.7	86.7	86.8	86.8	87.2	88.2
81.3	83.7	85.3	85.7	86.1	86.7	86.9	86.9	86.9	86.9	87.4	87.4	87.5	87.5	87.9	88.9
81.3	85.3	87.4	87.9	88.2	88.8	89.1	89.1	89.1	89.1	89.5	89.6	89.7	89.7	90.0	91.1
82.1	86.1	88.4	88.8	89.2	89.8	90.0	90.0	90.0	90.0	90.5	90.5	90.6	90.6	91.0	92.1
83.7	87.2	89.4	89.9	90.4	91.0	91.2	91.2	91.2	91.2	91.7	91.7	91.8	91.8	92.2	93.3
83.2	87.4	89.8	90.3	90.8	91.4	91.6	91.6	91.6	91.6	92.1	92.1	92.2	92.2	92.6	93.6
84.1	88.2	90.6	91.1	91.7	92.4	93.0	93.0	93.0	93.0	93.5	93.5	93.6	93.6	94.0	95.1
84.5	88.8	91.2	91.8	92.4	93.2	93.8	93.8	93.8	93.8	94.3	94.3	94.4	94.4	94.8	95.9
84.5	89.8	91.2	92.0	92.6	93.3	94.0	94.1	94.1	94.1	94.5	94.5	94.5	94.5	94.9	96.0
84.7	89.0	91.4	92.2	92.8	93.5	94.2	94.4	94.4	94.4	94.9	94.9	95.0	95.0	95.4	96.5
84.7	89.0	91.4	92.2	92.8	93.5	94.2	94.4	94.4	94.4	94.9	94.9	95.0	95.0	95.4	96.5
84.7	89.0	91.4	92.2	92.8	93.5	94.2	94.4	94.4	94.4	94.9	94.9	95.0	95.0	95.4	96.5

TOTAL NUMBER OF OBSERVATIONS 114

DATE: 11-14-81 BY: [illegible]

1  
2

WALLACE CLIMATOLOGY BRANCH  
WFO/TAC  
U.S. WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81 TANTALL AFB FL

73-81

250

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

53.5	55.0	55.4	55.7	55.7	55.9	56.0	56.0	56.0	56.1	56.1	56.2	56.7	56.4	57.1
59.6	61.7	61.8	62.1	62.2	62.3	62.4	62.4	62.5	62.5	62.6	62.7	62.8	62.9	63.0
59.7	61.4	61.9	62.2	62.3	62.5	62.5	62.5	62.6	62.7	62.7	62.8	62.9	63.0	63.6
59.7	61.5	62.0	62.2	62.3	62.5	62.6	62.6	62.6	62.8	62.8	62.9	62.9	63.0	63.7
61.0	62.9	63.3	63.6	63.7	63.9	63.9	64.0	64.0	64.1	64.1	64.2	64.3	64.4	65.1
62.4	64.2	64.8	65.0	65.1	65.3	65.4	65.4	65.4	65.5	65.5	65.7	65.7	65.8	66.5
65.3	67.3	67.9	68.1	68.3	68.4	68.5	68.5	68.6	68.7	68.7	68.8	68.9	69.0	69.7
65.6	67.6	68.2	68.5	68.6	68.8	68.8	68.9	68.9	69.0	69.0	69.2	69.2	69.3	70.0
68.3	70.4	71.0	71.4	71.5	71.7	71.7	71.8	71.8	71.9	71.9	72.1	72.1	72.3	73.0
70.2	72.5	73.1	73.4	73.5	73.7	73.8	73.9	73.9	74.0	74.0	74.1	74.2	74.3	75.0
70.2	72.5	73.9	74.2	74.3	74.5	74.6	74.6	74.7	74.8	74.8	74.9	75.0	75.1	75.8
72.5	75.0	75.6	76.0	76.1	76.3	76.4	76.4	76.5	76.5	76.5	76.7	76.8	76.9	77.6
73.0	75.5	76.2	76.5	76.6	76.9	76.9	77.0	77.0	77.1	77.1	77.3	77.3	77.5	78.2
74.3	76.9	77.7	78.1	78.2	78.5	78.6	78.6	78.7	78.8	78.8	79.0	79.0	79.2	79.9
75.2	77.8	78.6	79.1	79.2	79.5	79.6	79.7	79.7	79.9	79.9	80.0	80.1	80.2	80.9
76.7	79.5	80.5	81.7	81.2	81.6	81.7	81.8	81.9	81.9	81.9	82.1	82.1	82.3	83.0
78.1	81.7	82.4	83.1	83.3	83.7	83.8	83.8	83.9	84.0	84.0	84.2	84.2	84.4	85.1
79.7	83.2	84.4	85.2	85.4	85.8	85.9	86.0	86.1	86.2	86.2	86.4	86.4	86.6	87.3
79.9	83.4	84.6	85.4	85.6	86.0	86.1	86.2	86.3	86.4	86.4	86.6	86.6	86.8	87.5
81.3	85.7	86.4	87.2	87.4	87.9	88.0	88.1	88.2	88.3	88.3	88.5	88.5	88.7	89.4
81.9	85.7	87.1	88.0	88.2	88.7	88.9	89.0	89.1	89.2	89.2	89.4	89.5	89.6	90.3
82.5	86.6	88.2	89.2	89.5	90.0	90.2	90.3	90.4	90.5	90.5	90.7	90.8	90.9	91.6
82.8	87.0	88.6	89.7	90.0	90.5	90.7	90.8	91.0	91.1	91.1	91.3	91.3	91.5	92.2
83.1	87.4	89.1	90.2	90.5	91.1	91.3	91.4	91.5	91.6	91.6	91.8	91.9	92.0	92.7
83.5	87.9	89.7	91.0	91.4	91.9	92.1	92.3	92.5	92.6	92.6	92.8	92.9	93.1	93.7
83.9	88.4	90.5	91.9	92.2	92.8	93.1	93.2	93.5	93.6	93.6	93.8	93.9	94.0	94.7
84.1	88.9	91.0	92.6	93.1	93.8	94.2	94.3	94.6	94.8	94.8	95.0	95.1	95.3	96.0
84.3	89.1	91.3	93.1	93.6	94.3	94.8	94.9	95.3	95.4	95.4	95.8	95.8	96.1	96.8
84.3	89.2	91.4	93.4	94.0	94.8	95.3	95.5	96.0	96.2	96.3	96.8	96.8	97.2	97.9
84.3	89.2	91.5	93.5	94.1	94.9	95.5	95.8	96.3	96.6	96.7	97.4	97.5	98.0	99.0
84.3	89.7	91.5	93.5	94.1	95.0	95.5	95.8	96.4	96.8	96.9	97.6	97.7	98.5	99.2
84.3	89.7	91.5	93.5	94.1	95.0	95.5	95.8	96.4	96.8	96.9	97.6	97.7	98.5	99.2

TOTAL NUMBER OF OBSERVATIONS 5627

2

FEDERAL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-71 TYNALL AFB FL

73-81

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

59.5	59.8	60.5	60.6	60.8	60.9	60.9	61.0	61.0	61.0	61.1	61.1	61.1	61.2	61.4
65.6	68.3	69.5	70.3	70.4	70.6	70.7	70.7	70.8	70.8	70.9	71.0	71.0	71.1	71.3
65.7	69.5	69.6	70.4	70.6	70.8	70.9	70.9	71.0	71.0	71.1	71.1	71.2	71.3	71.4
65.9	69.6	69.8	70.5	70.7	70.9	71.0	71.0	71.1	71.2	71.2	71.3	71.3	71.4	71.5
66.5	69.7	70.4	71.2	71.4	71.6	71.6	71.7	71.7	71.8	71.8	71.9	71.9	72.0	72.2
68.3	71.1	72.3	73.1	73.3	73.5	73.6	73.6	73.7	73.8	73.8	73.9	73.9	74.0	74.1
71.4	74.5	75.8	76.6	76.8	77.0	77.1	77.1	77.2	77.3	77.3	77.4	77.4	77.5	77.6
71.7	74.9	76.1	77.0	77.2	77.4	77.5	77.5	77.6	77.6	77.7	77.7	77.8	77.9	78.0
74.2	77.4	78.8	79.7	79.9	80.1	80.2	80.2	80.3	80.4	80.4	80.5	80.5	80.6	80.8
75.2	78.5	80.0	80.9	81.1	81.3	81.4	81.4	81.5	81.6	81.6	81.7	81.7	81.8	81.9
75.6	79.0	80.4	81.3	81.5	81.7	81.8	81.8	81.9	82.0	82.0	82.1	82.1	82.2	82.4
76.5	79.9	81.4	82.4	82.5	82.8	82.9	82.9	83.0	83.1	83.1	83.2	83.2	83.3	83.4
77.0	80.5	82.0	82.9	83.1	83.4	83.5	83.5	83.6	83.7	83.7	83.7	83.8	83.9	84.0
77.7	81.3	82.9	83.9	84.1	84.4	84.5	84.5	84.6	84.7	84.7	84.8	84.8	84.9	85.1
78.3	82.0	83.6	84.7	84.9	85.1	85.2	85.3	85.4	85.4	85.4	85.5	85.6	85.7	85.8
79.6	83.6	85.3	86.4	86.6	86.9	87.0	87.1	87.2	87.2	87.2	87.3	87.4	87.5	87.6
80.7	84.7	86.5	87.7	88.0	88.3	88.4	88.5	88.6	88.6	88.7	88.8	88.8	88.9	89.0
81.7	86.0	87.9	89.2	89.4	89.8	89.9	90.0	90.1	90.2	90.2	90.3	90.3	90.4	90.6
81.9	86.1	88.1	89.3	89.6	90.0	90.1	90.2	90.3	90.4	90.4	90.5	90.5	90.6	90.8
82.7	87.1	89.2	90.5	90.8	91.2	91.4	91.4	91.5	91.6	91.6	91.7	91.8	91.9	92.0
83.3	87.9	90.0	91.4	91.7	92.1	92.3	92.4	92.5	92.6	92.6	92.7	92.7	92.8	93.0
83.7	88.4	90.6	92.1	92.4	92.9	93.1	93.2	93.3	93.4	93.4	93.5	93.5	93.6	93.8
83.9	88.7	90.9	92.5	92.8	93.7	93.5	93.5	93.7	93.8	93.8	93.9	93.9	94.1	94.2
84.1	89.9	91.3	92.8	93.2	93.6	93.9	94.0	94.1	94.2	94.2	94.3	94.4	94.5	94.6
84.7	89.3	91.7	93.4	93.7	94.2	94.5	94.5	94.7	94.8	94.8	94.9	95.0	95.1	95.3
84.6	89.6	92.1	93.9	94.3	94.8	95.1	95.2	95.3	95.5	95.5	95.6	95.6	95.8	95.9
84.7	89.9	92.5	94.5	94.9	95.5	95.8	96.0	96.2	96.3	96.3	96.5	96.5	96.6	96.8
84.8	90.1	92.8	94.9	95.4	96.1	96.4	96.6	96.8	97.0	97.0	97.2	97.2	97.3	97.5
84.8	90.1	92.9	95.1	95.6	96.4	96.9	97.1	97.4	97.6	97.6	97.8	97.9	98.0	98.0
84.8	90.2	92.9	95.1	95.7	96.4	97.0	97.2	97.6	97.9	98.0	98.3	98.4	98.8	99.1
84.8	90.2	92.9	95.1	95.7	96.5	97.0	97.2	97.6	98.0	98.0	98.5	98.6	99.1	99.8
84.8	90.2	92.9	95.1	95.7	96.5	97.0	97.2	97.6	98.0	98.1	98.5	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 78879

USAF ETAC 1414 OF A

TOTAL SKY COVER

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

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

1. WEATHER BUREAU  
 2. STATION  
 3. DATE

SKY COVER

4. STATION NAME  
 5. LOCATION  
 6. TIME PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS LIST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE	STANDARD DEVIATION		
		0	1	2	3	4	5	6	7	8	9				
1-1	1.7				100.0										
1-2	1.4				100.0										
1-3	1.4				100.0										
1-4	1.4				100.0										
1-5	1.4				100.0										
1-6	1.4				100.0										
1-7	1.4				100.0										
1-8	1.4				100.0										
1-9	1.4				100.0										
1-10	1.4				100.0										
1-11	1.4				100.0										
1-12	1.4				100.0										
1-13	1.4				100.0										
1-14	1.4				100.0										
1-15	1.4				100.0										
1-16	1.4				100.0										
1-17	1.4				100.0										
1-18	1.4				100.0										
1-19	1.4				100.0										
1-20	1.4				100.0										
1-21	1.4				100.0										
1-22	1.4				100.0										
1-23	1.4				100.0										
1-24	1.4				100.0										
1-25	1.4				100.0										
1-26	1.4				100.0										
1-27	1.4				100.0										
1-28	1.4				100.0										
1-29	1.4				100.0										
1-30	1.4				100.0										
1-31	1.4				100.0										
TOTALS		1.7			100.0										

FEDERAL BUREAU OF SURVEYING AND MAPPING  
 WASHINGTON, D. C. 20540  
 FORM NO. 1-67 (REV. 1-65)

**SKY COVER**

TITLE: \_\_\_\_\_  
 STATION: \_\_\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
1-13	3.7				1.7						11.7	8.0	7.0	70
1-16	3.7				1.7						11.7	8.0	7.0	70
1-17	3.7				1.7						11.7	8.0	7.0	70
1-18	3.7				1.7						11.7	8.0	7.0	70
1-19	3.7				1.7						11.7	8.0	7.0	70
1-20	3.7				1.7						11.7	8.0	7.0	70
1-21	3.7				1.7						11.7	8.0	7.0	70
1-22	3.7				1.7						11.7	8.0	7.0	70
1-23	3.7				1.7						11.7	8.0	7.0	70
1-24	3.7				1.7						11.7	8.0	7.0	70
1-25	3.7				1.7						11.7	8.0	7.0	70
1-26	3.7				1.7						11.7	8.0	7.0	70
1-27	3.7				1.7						11.7	8.0	7.0	70
TOTALS		21.7			10.7						16.9	7.9	7.6	700

UNITED STATES AIR FORCE  
 ATMO. SERVICE UNIT

SKY COVER

STATION: ... DATE: ...  
 STATION NAME: ...

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN CLOUD HEIGHT	TOTAL CLOUD HEIGHT	
		0	1	2	3	4	5	6	7	8	9			
	-	1.0			17.0						14.7	7.0	1.4	7.1
	-	27.0			17.0						14.8	11.0	1.1	11.4
	-	10.0			0.0						27.0	12.0	7.0	12.5
	-	17.0			0.7						20.0	17.4	1.7	17.7
	1-14				1.7						26.4	11.7	0.7	12.1
	1-17	17.0			24.6						26.6	16.4	1.7	17.1
	1-22	10.0			24.1						10.0	17.1	1.7	17.1
	1-27	27.0			1.7						14.2	17.6	1.7	17.7
TOTALS		10.1			21.7						19.9	19.7	1.4	19.7



WORLD CLIMATOLOGY ARCHIVE  
 WMO  
 AIRCRAFT SERVICE / AD

# SKY COVER

STATION: INSTAL AIR FL

77-01

REF: 0000

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL HOURS	TOTAL PERCENTAGE	
		0	1	2	3	4	5	6	7	8	9			10
1-2	40.7				27.7						10.0	4.7	0.0	100
1-5	30.0				26.7						17.7	4.0	0.0	100
1-8	20.7				20.0						24.3	12.4	0.0	100
1-11	14.4				22.2						12.2	5.0	0.0	100
1-14	11.6				41.6						17.0	14.7	0.0	100
1-17	10.7				27.4						24.1	12.4	0.0	100
1-20	24.7				20.0						10.0	27.7	0.0	100
1-23	43.1				23.0						10.0	11.0	0.0	100
TOTALS	206				7.9						10.1	24.4	0.1	476

FAA/FAA METEOROLOGICAL  
 STATION  
 WEATHER SERVICE DIVISION

**SKY COVER**

STATION \_\_\_\_\_ CITY \_\_\_\_\_  
 NAME \_\_\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL OBS.	
		0	1	2	3	4	5	6	7	8	9		
1-10	2.0				17.0							17.0	17.0
1-15	2.0				17.7							17.7	17.7
1-19	2.0				17.4							17.4	17.4
1-11	2.0				17.7							17.7	17.7
1-12	4.1				14.6							14.6	14.6
1-17	1.0				3.3							3.3	3.3
1-7	1.0				3.6							3.6	3.6
1-20	13.7				7.7							7.7	7.7
TOTALS					17.4							17.4	17.4

# SKY COVER

UNITED STATES AIR FORCE  
 WRIGHT PATTISON AIRFIELD  
 DAYTON, OHIO

STATION: \_\_\_\_\_ STATE: OHIO COUNTY: \_\_\_\_\_  
 CITY: DAYTON ALTITUDE: \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL PERCENTAGE
		0	1	2	3	4	5	6	7	8	9	
TOTALS												

# SKY COVER

U.S. AIR FORCE  
 REPORT  
 AF 100-20.1 (1-54)

STATION NUMBER: 12345  
 STATION NAME: ABC FIELD

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (LS)	PERCENTAGE FREQUENCY OF OCCURRENCE IN TOTAL SKY COVER																		
		0	1	2	3	4	5	6	7	8	9									
1	1				4	1														
1	2				4	1														
1	3				1	4														
1	4				4	1														
1	5				1	4														
1	6				1	4														
1	7				1	4														
1	8				1	4														
1	9				1	4														
TOTALS					10	40														

STATION NUMBER AND NAME  
 STATION NAME

### SKY COVER

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_ STATION NAME: \_\_\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN SKY COVER	TOTAL OBS.	
		0	1	2	3	4	5	6	7	8	9			
TOTALS														

U.S. AIR FORCE  
 FORM 1280  
 1-64

# SKY COVER

STATION: \_\_\_\_\_ DATE: \_\_\_\_\_ FIELD: \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										WEEK TOTAL OCCURRENCE	TOTAL OCCURRENCE		
		0	1	2	3	4	5	6	7	8	9			10	
	1-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1-31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STATION NUMBER 4755  
 NAME OF STATION  
 LOCATION

# SKY COVER

DATE        YEAR         
 STATE        COUNTY       

### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
1	1-30	5.7			1.0						1.4	17.7	7.0	34
2	1-30	4.6			1.1					17.7	17.7	7.0	34	
3	1-30	21.6			7.7					10.4	17.7	4.1	47	
4	1-31	27.0			37.0					17.6	17.4	11.6	57	
5	1-31	20.0			41.1					17.0	16.1	4.7	57	
6	1-30	11.7			41.1					11.7	13.7	4.6	57	
7	1-30	41.1			71.6					16.0	15.0	7.0	71	
8	1-30	16.6			1.7					11.1	14.7	7.7	47	
TOTALS		11.7			7.0						16.1	16.2	7.0	464

UNITED STATES AIR FORCE  
 1957  
 STANDARD FORM 115-1

# SKY COVER

STATION: \_\_\_\_\_ NAME: \_\_\_\_\_ REF: \_\_\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL OBSERVATIONS	TOTAL HOURS	
		0	1	2	3	4	5	6	7	8	9			
1-10	44.0				11.7						17.0	1.2	7.5	73.7
1-15	44.7				12.5						17.1	4.1	4.7	71.7
1-21	24.6				11.7						11.7	16.8	5.4	67.7
1-31	24.4				11.8						10.3	7.9	7.7	68.7
2-14	27.7				11.4						15.7	17.7	5.5	57.7
2-17	17.8				11.1						14.7	14.7	5.8	57.7
2-21	22.2				12.3						17.7	2.7	9.5	67.7
2-23	41.7				10.8						15.4	10.7	5.1	67.7
TOTALS	311.0				24.5						18.9	23.2	4.8	44.7



AIR FORCE METEOROLOGICAL STATION  
ATWATER SERVICE 7440

### SKY COVER

7 FORT RALPH AFB 6L PERIOD 1949-1952 STATION NUMBER 140

#### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL OCCURRENCES		
		0	1	2	3	4	5	6	7	8	9		10	MEAN TENTHS OF TOTAL SKY COVER
	1-12	0.0			12.7						17.7	30.5	4.4	41
	1-5	0.0			17.0						14.0	2.7	4.3	67
	1-7	0.0			12.4						20.1	10.8	4.3	171
	1-11	0.0			27.5						27.0	10.4	7.7	67
	12-14	17.0			10.9						24.4	6.7	4.3	17
	1-17	14.3			20.9						24.1	16.7	4.3	47
	1-2	0.0			24.1						17.1	19.4	2.7	325
	1-27	25.0			14.0						10.6	7.3	2.7	114
TOTALS		0.0			24.2						10.6	19.3	4.4	6670

WINDSPEED DIRECTION  
 AIR TEMPERATURE  
 RELATIVE HUMIDITY

SKY COVER

7 MONTH: JANUARY PERIOD: 1948  
 STATION: WASHINGTON FIELD STATION NAME: WASHINGTON PERIOD: 1948

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS SKY COVER	TOTAL OBSERVATIONS		
		0	1	2	3	4	5	6	7	8	9			10	
JAN	11.1	1.7			1.7							19.6	19.6	5.7	167
FEB		1.7			1.7							19.6	19.6	5.7	167
MAR		1.1			19.6							19.6	19.6	5.7	167
APR		1.7			1.7							19.6	19.6	5.7	167
MAY		1.1			19.6							19.6	19.6	5.7	167
JUN		1.7			49.9							19.6	19.6	5.7	167
JUL		1.7			47.3							19.6	19.6	5.7	167
AUG		1.7			47.3							19.6	19.6	5.7	167
SEP		1.7			47.3							19.6	19.6	5.7	167
OCT		1.1			47.3							19.6	19.6	5.7	167
NOV		1.7			47.3							19.6	19.6	5.7	167
DEC		1.7			47.3							19.6	19.6	5.7	167
TOTALS		21.6			24.7							20.2	24.7	5.5	7459

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse

E

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

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

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

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

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

# DAILY TEMPERATURES

NATIONAL BUREAU OF METEOROLOGY  
 WASHINGTON, D. C. 20541  
 STATION NAME:   
 STATION NUMBER:   
 YEARS:

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
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68													
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90													
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92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	36.2	44.0	59.2	75.9	82.1	87.1	88.2	83.9	86.5	79.7	71.7	64.2	70.6
S.D.	7.771	7.948	6.594	4.974	4.553	3.379	3.247	3.155	4.477	5.729	7.577	6.170	11.475
TOTAL OBS	1174	1102	1200	1100	1240	1270	1278	1340	1220	1290	1200	1240	1400



21

THE CLIMATOLOGICAL BUREAU  
 WASHINGTON, D. C. 20541  
 STATION NAME: ...  
 STATE: ...

### DAILY TEMPERATURES

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM DAILY OBSERVATIONS

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
...					4	17.5	18.4	4.7					
...					12.1	64.8	90.1	87.0	55.7	4.0			
...					59.1	98.5	99.4	99.8	89.0	7.6			
...	3	13.2	47.7	81.9	100.0	100.0	100.0	87.0	60.5	10.0			
...	14.1	17.4	77.1	77.6	99.1			39.7	81.5	70.9	10.7		65.1
...	31.1	37.1	63.4	93.6	100.0			69.0	94.2	83.0	73.4		71.3
...	48.7	53.3	83.1	98.9				100.0	99.2	90.0	88.8		81.8
...	68.3	71.6	94.6	100.0					100.0	93.7	77.7		61.7
...	84.1	87.6	98.2							88.7	91.7		65.0
...	94.0	97.0	99.8							99.6	97.3		69.1
...	95.3	99.4	99.9							99.6	99.4		69.7
...	98.6	99.9	100.0							100.0	99.8		69.9
...	99.8	100.0									99.9		70.0
...	100.0												70.0
MEAN	6.1	5.3	61.5	68.4	75.7	87.5	82.1	82.3	79.4	71.1	61.7	55.7	69.1
S.D.	1.033	1.441	7.004	5.717	4.515	3.580	2.628	2.436	3.964	5.971	7.896	6.276	12.778
TOTAL OBS.	1777	1172	1277	1700	1247	1200	1078	1240	1200	1240	1270	1247	14518

**EXTREME VALUES**

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

ALL MONTHS DATA

YEAR	MONTH												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MEAN													
S D													
TOTAL OBS													

USAF ETAC FORM 0885 (OLA) JUL 68





# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: [ ] STATION NAME: [ ] YEARS: [ ]

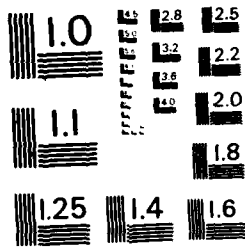
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	As MONTHS
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
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2018													
2019													
2020													
2021													
2022													
2023													
2024													
2025													
2026													
2027													
2028													
2029													
2030													
MEAN													
S D													
TOTAL OBS													

AD-A128 110 TYNDALL AFB FLORIDA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 DEC 82  
UNCLASSIFIED USAFETAC/DS-82/060 S81-AD-E850 360 F/G 4/2

4/5

NL

The grid area is mostly blacked out, with a small white box in the top-left corner. The grid consists of approximately 12 columns and 10 rows.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 1963-A

FEDERAL BUREAU OF SURVEYING  
U.S. ARMY  
WEATHER SERVICE/MAC

### EXTREME VALUES

MINIMUM MONTHLY MEANS

(FROM DAILY OBSERVATIONS)

STATION

TYLLALL AFB FL

STATION NAME

52-51

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
70	24	32	40	49	51	57	71	73	62	51	38		29
71	29	31	40	44	54	66	72	71	70	54	41		30
72	43	30	44	47	57	64	67	73	59	48	37		28
73	32	34	39	44	64	71	71	72	54	51	39		27
74	24	33	42	50	54	64	69	59	61	42	31		27
75	14	31	38	45	54	64	71	74	74	47	39		18
76	27	30	33	52	61	71	72	72	69	46	50		28
77	24	31	43	56	56	67	71	71	65	51	34		24
78	35	30	28	52	60	57	71	72	68	48	38		28
79	23	28	44	49	58	72	70	71	57	51	40		22
MEAN	29.7	31.5	38.6	48.1	57.6	66.8	72.9	70.5	62.8	48.5	38.8	33.4	25.2
S.D.	4.778	5.467	5.670	3.889	3.530	3.335	1.496	1.664	5.557	4.580	5.001	5.154	5.224
TOTAL OBS.	1234	1102	1239	1200	1240	1200	1238	1240	1200	1240	1200	1242	14518

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 54

# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

1975 TYNDALL AFB FL 73-81 JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
71																			7	7															
69		1.7	.1		.2														14	14	4	7													
67	.7	2.4	.4	.1															20	25	17	17													
65	1.4	3.3	.5	.2															46	46	34	27													
63	.1	3.5	.4																73	33	29	25													
61	.1	3.5	.4	.1	.5														78	38	43	33													
59	.8	3.9	1.6	.5	.2	.1													60	60	41	34													
57	.7	3.9	1.4		.1														52	52	39	43													
55	.8	3.3	1.4	.7															53	53	6	51													
53	.6	1.5	.6	.1	.1														25	25	49	47													
51	.1	2.2	1.6	.2	.1														35	35	26	33													
49		2.9	1.9	.5	.4														46	46	29	36													
47	.1	2.7	1.2	.7	.2														36	36	44	41													
45		1.9	1.7	.7	.4														39	39	35	37													
43	.2	2.2	1.9	1.7	.7	.2													50	50	30	38													
41	.2	2.3	1.1	1.2	1.0														48	49	46	40													
39	.4	1.4	3.7	1.6	1.0														67	67	47	38													
37	1.1	.8	1.7	1.6	1.2														53	53	47	33													
35		.8	.7	2.4	.5														37	37	49	35													
33		.4	1.0	2.0	.1														29	29	44	31													
31		.1	1.3	1.1															21	21	26	32													
29			1.7	1.7															16	16	39	22													
27			.4	.4															6	6	27	26													
25																					18	21													
23			.4																3	3	10	10													
21																					2	16													
19																						37													
17																						19													
15																						22													
13																						12													
11																						9													
9																						7													
7																						3													
5																						1													
Element (X)	Σx²	Σx	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR LEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

74775 STATION TINDALL AFB FL STATION NAME 73-81 YEARS JAN MONTH  
 PAGE 1 0000-2200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
TOTAL	44	725	916	767	4													837	837	837	837														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	5294649	5537	77.7	16.983	837	0 F	32 F	67 F	73 F	80 F	93 F	Total																							
Dry Bulb	2135822	41253	49.3	11.294	837	5.1	4.7					93																							
Wet Bulb	1920576	38776	46.3	12.179	837	13.8	2.3					93																							
Dew Point	1693691	35329	42.2	15.576	837	26.3	2.1					93																							

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

747757 TYNALL AFB FL 73-51

STATION MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 71																			18	16	3														
6 / 69		.4	1.8	.1															27	17	76	21													
6 / 65		.4	2.3	.2	.4														38	28	77	20													
6 / 67		1.2	2.9	.5															35	28	78	19													
6 / 61		.4	3.6	.5	.1														35	28	46	32													
7 / 59		.1	3.5	.4	.2	.1													36	36	43	49													
7 / 57		.6	3.1	.7	.1		.1												45	39	36	39													
5 / 55		.2	3.1	1.4	.2	.4													47	47	51	41													
4 / 53		1.4	3.3	.7	.1														24	24	32	29													
7 / 51		.1	1.6	1.2															45	45	39	38													
7 / 45		.2	3.1	1.9	.2														46	46	48	25													
6 / 47		3.3	1.2	1.0	.4														49	49	39	26													
4 / 45		.1	2.4	1.3	.4														35	35	42	35													
4 / 43			1.3	1.4	.5	.4													42	32	32	26													
12 / 41			1.6	3.3	.6	.6													51	51	34	27													
8 / 38		.7	1.9	2.6	1.6	.7													63	63	48	37													
7 / 37		1.1	1.8	1.7	1.1	1.1													55	55	50	31													
7 / 35			1.0	1.9	1.3	.2													37	37	48	32													
3 / 33			.7	1.4	3.3														46	46	48	34													
7 / 31			.6	1.6	1.1														27	27	30	32													
7 / 27			.7	1.8	.7														23	23	39	27													
7 / 25				.7	.1														7	7	36	27													
7 / 25				.4	.2														5	5	25	23													
7 / 23				.1															1	1	11	20													
2 / 21				.1															1	1	3	16													
20 / 19				.1															1	1	2	22													
18 / 17		.1																	1	1	1	22													
18 / 15																					2	28													
14 / 13																						22													
11 / 11																						7													
10 / 9																						2													
7 / 7																						1													
5 / 5																						4													

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						$\leq 0 F$	$\leq 32 P$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb												
Wet Bulb												
Dew Point												



GLOBAL CLIMATOLOGY BRANCH  
 HQ AFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

747757 STATION TYNDALL AFB FL STATION NAME 73-81 YEARS JAN MONTH

PAGE 1 0300-2500 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B. Dry Bulb	Wet Bulb Dew Point														
TOTAL	7.7	46.8	8.2	8.7	13.3	4.1	.1											837	837	837													
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total																						
Rel. Hum.	5367412	65682	78.5	15.967	837	$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total																					
Dry Bulb	2059498	40366	48.2	11.614	837		7.3	5.0				93																					
Wet Bulb	1863439	38769	45.5	12.564	837		16.6	3.2				93																					
Dew Point	1651495	34763	41.9	15.762	837		28.2	2.4				93																					

USAFETAC FORM 44 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 74775 TYNDALE AFB FL STATION NAME: 77-61 YEARS: JAN MONTH: 0600-2800 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point			
3																									
TOTAL	5.4	4.8	2.9	9.1	3.4	2.7	1													837	837	93			

Element (X)	Z <sub>g</sub>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	5365938	65744	78.515	542	837							93
Dry Bulb	2.31686	40020	47.811	897	837		8.4	6.2				93
Wet Bulb	1840025	37755	45.112	821	837		17.1	4.2				93
Dew Point	1631666	34483	41.215	897	837		30.7	3.2				93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

24775 TYNDALE AFB FL 73-81 JAN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1900-1100  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
75		.1	.4	.1																								22	22	4	1				
74	.1	.6	1.1	.5	.2	.1																						22	22	4	1				
73		.9	1.9	.4	.1	.1																						22	22	4	1				
72	.1	1.0	1.6	.2	.6	.2	.1																					22	22	4	1				
71	.1	.1	1.4	.5	.7	.4																						23	27	29	25				
70	.7	2.6	.5	1.1	1.1	.1	.1																					52	52	26	26				
69	.7	2.5	.5	.6	.7	.6	.2							.1														52	52	43	31				
68	1.7	1.8	1.4	1.7	1.7	.2	.1	.1																				55	55	46	44				
67	.1	3.6	1.6	1.3	.6	.4	.2	.1																				66	66	42	25				
66	.1	1.7	1.0	.7	.8	.5	.4																					47	43	57	47				
65		1.0	1.3	1.1	.6	.4	.6	.1																				42	42	49	38				
64		1.3	.1	.8	.9	.4	.5	.1																				34	34	34	39				
63	.1	1.7	1.4	1.4	.6	.8	.4																					48	48	33	29				
62	.1	.8	1.1	1.3	1.2	.8	.1	.1																				47	47	30	31				
61		1.0	.6	2.2	.5	.6	.5																					45	45	46	35				
60		.6	.5	.9	.7	.6																						27	27	38	23				
59	.1	.7	1.1	1.8	1.6	.5	.1																					49	49	43	26				
58		.1	.7	1.6	1.0	1.3																						39	39	42	34				
57	.2	.4	1.1	.8	1.1	.2																						32	32	39	19				
56	.1	.7	1.2	.7	1.8	.1																						39	39	41	26				
55		.6	.8	.6	1.2																							27	27	44	25				
54		.4	.8	.8	.6																							15	15	42	31				
53			.2	.6																								7	7	27	45				
52				.5																								4	4	24	33				
51				.1																								1	1	15	29				
50				.1																								1	1	7	23				
49			.1	.1																								2	2	4	14				
48			.1																									1	1	1	12				
47																												1	1	3	22				
46			.1																									1	1	1	15				
45																															23				
44																														1	10				
43																															5				
42																															8				
Element (X)	Σ X²	Σ X	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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



FEDERAL BUREAU OF SURVEY  
 NATIONAL CENTER FOR ENVIRONMENTAL DATA  
 METEOROLOGICAL SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: TYPICALL AFB FL STATION NAME: T2-81

YEARS: JAN MONTH: 1210-147 HOURS U.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
7 / 77				.1			.4																												4	4				
4 / 75				.7	1.7		.4			.1																									37	37	1			
7 / 71			.5	1.9	.7	.5	.4	.5																											37	37	17	8		
7 / 69			.5	1.7	1.6	1.1	1.1	.4																											52	52	72	24		
7 / 67	.2	1.2	1.1	1.1	1.1	.7	.7	.1	.6	.1																									49	49	73	24		
4 / 67	.1	1.9	.9	1.4	1.4	.7	1.4	.5																											72	72	43	35		
4 / 62	.2	2.1	1.5	1.7	1.7	.7	.7	.1	.1	.1																									62	62	44	44		
7 / 61	.4	1.9	.7	1.7	1.7	.7	1.1	.7	.2	.1																									59	59	51	33		
7 / 59		1.7	1.2	.5	.5	.5	.4	.4	.2																										47	47	54	27		
5 / 57	.2	.7	.2	.5	1.2	1.0	1.2	.2	.1																										46	45	41	31		
5 / 55		.5	.5	.5	.5	.7	.5	1.3	.6	.2																									42	42	46	32		
4 / 53	.1	.5	.4	.6	1.4	.2	.7	.2	.2																										37	37	78	17		
7 / 51		.9	.1	.7	1.3	.7	.4	.8																											41	41	41	29		
5 / 46		.6	.2	1.1	1.2	.3	.5	.6																											34	34	73	28		
5 / 47		.2	.5	.7	1.7	.9	1.6																												43	43	70	24		
4 / 45		.2	.4	1.7	1.7	1.3	.3																												46	46	53	22		
4 / 43		.5	.5	.7	.7	1.7	.4																												27	27	42	24		
7 / 41			.7	.4	.1	.5	.2																												17	17	48	17		
4 / 39	.4		.7	.1	.4	.6																													15	15	45	30		
3 / 37		.5	.5	.2	.7	.4																													19	19	47	17		
7 / 35		.1	.5	.1	.4	.1																													10	10	76	24		
3 / 33		.1	.2																																7	7	28	23		
7 / 31																																			2	2	17	38		
7 / 29				.1																															1	1	7	29		
7 / 27				.1																															1	1	4	33		
2 / 25																																					1	18		
2 / 23																																					2	15		
2 / 21																																					1	13		
2 / 19																																								
1 / 17																																								
1 / 15																																								
1 / 13																																								
1 / 11																																								
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total																												
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																													
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

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

FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

247750 INDCALL AFB FL STATION STATION NAME

73-31

YEARS

JULY MONTH

PAGE 1 1200-1400 HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point												
TOTAL	1.7	14.8	16.6	18.7	17.4	7.7	12.4	4.4										837			837		837											

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	3542943	52003	62.1	20.510	837							93
Dry Bulb	2904893	49523	58.7	10.484	837		.4	22.1	6.1			93
Wet Bulb	2322434	4318	51.4	11.549	837	3.6	9.2	.1				93
Dew Point	1834354	36672	43.8	16.501	837	26.7	5.3					93

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





NATIONAL CLIMATOLOGY BRANCH  
W. W. W. TAC  
METEOROLOGICAL SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION TYNALL AFB FL STATION NAME

72-81

YEARS

JAN  
MONTH

PAGE 1 1966-1966  
HOURS 5.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
TOTAL	1.7	10.5	19.5	19.5	19.5	11.9	7.5	2.3	1.0																		937	937	937								

USAFETAC FORM 44 0.26-5 (OLA) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						Total
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	7815.33	54595	65.22	0.577	837							93
Dry Bulb	789329	47453	56.9	9.553	837			16.3	2.5			93
Wet Bulb	228469	42779	51.11	1.102	837		3.3	7.3				93
Dew Point	1852784	36997	44.216	1.151	837	24.		3.8				93

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAO

# PSYCHROMETRIC SUMMARY

147757 TYNDALE AFB FL 72-61 72-61 JAN 1950-2000  
 STATION STATION NAME YEARS MONTH PAGE 1 1500-2000  
 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point					
7 / 77		1.0																																			
7 / 69	.1	1.0																																			
7 / 67		3.2	.6		.1																																
7 / 65	.7	3.5	1.0																																		
7 / 63	.4	4.4	1.9		.7																																
7 / 61	.2	3.2	1.6	1.7	.4																																
7 / 59	.8	3.7	2.0	.5	.2																																
7 / 57	.4	2.9	2.4	.7	.2																																
5 / 55		1.3	1.4	1.1	.6																																
4 / 53		1.8	1.3	1.2	.7	.2																															
7 / 51		1.6	1.3	1.3	.5	.1																															
7 / 49		.8	1.2	1.2	.5	.1																															
7 / 47		1.1	1.0	2.4	.7	.1																															
7 / 45	.1	1.2	.9	1.7	1.1	1.0																															
4 / 43		.8	1.1	1.4	1.7	.8																															
2 / 41	.1	1.1	1.6	1.3	1.6	1.2																															
7 / 39	.1	.8	1.3	1.3	1.7	.5																															
7 / 37	.2		.7	.8	1.1	.1																															
7 / 35			.7	.6	.8	.6																															
3 / 33			.3	.3	.2	.2																															
7 / 31			.1	.1	.5	.5																															
7 / 29			.1	.1	.1	.1																															
7 / 27			.1	.1	.1	.1																															
7 / 25																																					
7 / 23																																					
7 / 21																																					
7 / 19																																					
7 / 17																																					
7 / 15																																					
7 / 13																																					
7 / 11																																					
7 / 9																																					
7 / 7																																					
7 / 5																																					
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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





CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

74775 TYNDALE AFB FL STATION NAME

73-81 YEARS

JAN MONTH

PAGE 2100-2100 HOURS 10.5.73

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																
TOTAL	4.04	1.32	6.41	5.41	1.1	1.6																													837	836	836

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_a$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	512117	53626	76.117	567	836							
Dry Bulb	222323	42235	50.510	470	837		2.5	5.3				93
Wet Bulb	1972545	39413	47.111	729	836		11.5	3.1				93
Dew Point	1721866	35702	42.715	367	836		25.3	2.2				93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

747757 TYNDALL AFB FL

73-81

JAN  
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	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 77			.1	.3	.1	.0												4	4																
4 / 75		.2	.3	.3	.1	.0	.0											68	68	5	1														
7 / 71		.6	.7	.1	.1	.1	.1											113	113	40	19														
7 / 69	.1	1.3	.8	.4	.3	.2	.1											209	209	171	65														
7 / 67	.2	2.2	.9	.3	.2	.2	.0	.1	.0									277	277	210	169														
6 / 65	.7	2.8	.7	.6	.4	.2	.2	.1	.0									382	367	256	261														
4 / 63	.3	3.0	.9	.6	.4	.2	.2	.1	.0									385	365	296	230														
7 / 61	.3	2.9	1.0	.8	.5	.2	.2	.1	.0									399	400	351	287														
7 / 59	.4	3.1	1.4	.5	.4	.2	.2	.1	.0									424	424	373	203														
5 / 57	.3	2.6	1.1	.5	.6	.3	.3	.0	.0									381	381	374	217														
5 / 55	.4	2.4	1.3	.7	.4	.3	.3	.1	.1									381	381	397	394														
4 / 53	.2	1.3	.8	.6	.6	.2	.2	.1	.0									270	270	314	308														
7 / 51	.1	2.0	1.3	.7	.7	.7	.2	.2	.0									373	373	247	261														
5 / 49	.1	1.6	1.4	1.0	.6	.4	.2	.1	.0									365	365	313	250														
4 / 47	.1	1.6	1.2	1.1	.7	.3	.4	.0	.0									354	354	328	235														
4 / 45	.1	1.3	1.2	.7	.8	.5	.3	.0	.0									328	328	335	222														
4 / 43	.1	1.1	1.3	1.1	.7	.5	.1	.0	.0									330	330	298	243														
4 / 41	.1	.9	1.4	1.0	.8	.5	.1	.0	.0									320	320	328	276														
4 / 39	.5	.8	1.9	1.1	.8	.3	.0	.0	.0									358	358	349	276														
7 / 37	.4	.9	1.3	1.0	1.0	.1	.0	.0	.0									314	314	371	269														
7 / 35	.3	.6	1.0	.9	.5	.0	.0	.0	.0									212	212	352	252														
3 / 33		.3	.8	1.2	.3	.0	.0	.0	.0									168	168	317	212														
7 / 31		.2	.7	.7	.1	.0	.0	.0	.0									113	113	208	283														
7 / 29		.1	.5	.4	.0	.0	.0	.0	.0									65	65	272	223														
7 / 27			.4	.2	.0	.0	.0	.0	.0									35	35	153	205														
7 / 25		.1	.1	.3	.0	.0	.0	.0	.0									12	12	98	168														
7 / 23		.2	.1	.7	.0	.0	.0	.0	.0									9	9	54	114														
2 / 21			.1	.0	.0	.0	.0	.0	.0									5	5	17	134														
7 / 19			.7	.0	.0	.0	.0	.0	.0									1	1	7	170														
7 / 17		.1	.1	.0	.0	.0	.0	.0	.0									2	2	5	151														
1 / 15		.1	.0	.0	.0	.0	.0	.0	.0									3	3	2	168														
7 / 13			.0	.0	.0	.0	.0	.0	.0											4	131														
1 / 11			.0	.0	.0	.0	.0	.0	.0												63														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC Form 0-26-5 (OL A) revised previous editions of this form are obsolete



CLIPAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

747700 TYNDALE AFB FL 73-31 FEB 1950  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0000-0000  
 HOURS 10.5.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.-W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																						
71	.1	.5																																					
69	.1	1.2																																					
67	.8	1.4	.3	.1																																			
65	.8	3.8	.7	.5																																			
63	.8	3.7	.4	.1																																			
61	.8	1.6	.9	.7																																			
59	.8	2.4	1.3	.7																																			
57	.8	3.1	2.1	.4	.1																																		
55	.8	2.5	2.4	.9	.1																																		
53	.8	2.5	2.5	.9	.7		.1																																
51	.8	1.6	2.9	.3	.7	.7																																	
49	.8	2.7	1.6	2.2	1.7	.7																																	
47	.8	2.4	1.2	1.8	1.2	.4																																	
45	.8	1.4	1.7	1.2	.5	.1																																	
43	.8	2.1	2.2		.1																																		
41		1.2	3.7	2.6	.5	.1																																	
39		.4	2.2	2.4	.8																																		
37		.7	2.2	1.6																																			
35		.5	.9	1.7	.4																																		
33		.4	.7	1.2																																			
31			.3	.8																																			
29																																							
27																																							
25																																							
23																																							
21																																							
19																																							
17																																							
15																																							
13																																							
11																																							
TOTAL		7.235	.229	.121	.5	5.6	1.2	.1																															

USAF/TAC Form 14  
 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

747750 TYDALL AFB FL 73-81 YEARS FEB  
STATION STATION NAME MONTH  
PAGE 1 7300-1500  
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																				
71		.5																															4	4							
69		.4	.4																															6	6	7	7				
67	1.2	1.0	.4																															10	10	14	13				
65	.8	1.4	.5																																12	12	17	12			
63	.4	3.3	.7	.5																															17	17	26	17			
61	.8	2.6	.9		.1	.1																													23	23	33	26			
59	1.0	1.4	.8	.4																															25	29	35	29			
57	.9	2.6	2.2	.4																															47	47	34	22			
55	.7	1.7	2.0	.7																															35	35	28	36			
53	1.2	2.9	2.8	.5																															56	56	49	32			
51	.4	2.6	1.8	.5																															41	41	43	39			
49	.7	3.3	1.3	1.2	1.6																														61	61	47	45			
47		1.7	1.5	1.7	1.6	.1																													51	51	43	37			
45		2.6	1.6	.9	.7	.1																													45	45	37	29			
43		1.8	1.7	2.5	.1																														43	43	47	38			
41		.9	2.4	1.3	.3	.1																													39	39	45	27			
39		1.0	3.7	1.7	.7																														55	55	47	37			
37		1.2	2.4	2.8	.1																														49	49	44	33			
35			1.6	2.1																															39	39	53	22			
33		.4	1.8	.5																															21	21	41	33			
31			2.4	.9																															25	25	33	24			
29				.1																															1	1	22	35			
27																																					21	24			
25																																					7	29			
23																																						14	14		
21																																								14	14
19																																								19	19
17																																								16	16
15																																								4	4
13																																								3	3
11																																								7	7
TOTAL		3.4	35.7	32.5	17.8	5.1	.4																													762	762	762	762		

FORM AR 24 0-26-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4751732	59738	77.5	15.279	762	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1954629	37321	49.6	17.287	762		2.9	7.3				34
Wet Bulb	1746674	35480	46.6	11.153	762		9.1	2.3				34
Dew Point	1530016	32444	42.6	13.975	762		24.9	2.2				34

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

19775 TYNDALE AFB FL 73-81 YEARS FEB MONTH  
STATION STATION NAME HOURS U.S.T.

PAGE 1 0800-2800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
71		.5																	4	4	2																
69	1.0	.7	.1																14	14	11	13															
67	.4	.9	.4																14	14	8	9															
66	.7	2.5	.1	.4	.1														29	29	22	15															
63	1.2	3.3	1.2	.5															47	47	39	26															
62	.7	3.2	1.2	.4															40	40	33	24															
60	1.0	1.3	1.6	.6	.1														75	75	46	36															
59	.7	2.2	2.2	.7	.1														40	40	26	23															
57	.5	2.4	1.7	.8	.1														42	42	33	39															
55	.9	3.3	2.7	.7	.5	.1													57	57	49	35															
53	1.4	2.7	1.7	.7															75	75	41	39															
51	.4	2.5	1.8	1.4	.4	.7													52	52	44	33															
47		2.6	1.6	1.4	1.2	.1													53	53	31	43															
46		2.0	2.5	1.3	1.7														74	74	46	26															
45		.9	1.7	1.4	.7														70	70	43	32															
44		.5	2.4	1.8	.1														79	79	38	24															
43		.5	2.5	1.6	.7														40	40	41	37															
41		1.2	2.9	2.0	.5														52	52	44	29															
37	.1	.7	1.7	2.1															27	27	46	29															
35		.5	2.7	.7															24	24	26	25															
33		.7	2.2	1.7															29	29	22	44															
31		.7	2.2	1.7															29	29	22	44															
29		.5	2.0	.1															5	5	29	27															
27		.5	2.0	.1															5	5	21	35															
25																					17	24															
23																						12															
21																						11															
17																						5															
15																						4															
13																						6															
11																						3															
9																						1															
TOTAL	7.2	32.8	33.2	27.2	5.7	.5													762	762	762	762															

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4651915	58389	76.615	285	762	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1972481	37955	46.817	377	762		3.7	3.4				54
Wet Bulb	1751593	35489	46.611	391	762		15.4	2.3				64
Dew Point	1528349	32353	42.514	258	762		25.5	2.3				64

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

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AFS WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

STATION 147750 TYNDALL AFB FL STATION NAME

73-61 YEARS

FEB MONTH

1950-1951 HOURS 3922-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point				
7 / 77																																			1	1				
4 / 73																																			1	1				
7 / 71	.1	.4	1.0	.7	.5	.3	.1	.1	.3	.1	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	27	27	9	4		
6 / 69	.1	.4	1.2	.7	1.0	.7	.5	.3	.1	.1	.3	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	26	26	11	17		
7 / 67	1.2	1.6	2.1	2.2	1.8	.7	.3	.3	.5	.3	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	31	31	31	22		
6 / 65	.4	1.7	.9	1.3	1.2	.5	.7	.5	.1	.1	.3	.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	27	27	29	16		
4 / 63	.7	.8	.9	1.0	1.4	.9	.8	.9	.9	.8	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	25	25	44	21		
7 / 61	.4	.9	1.2	.3	.5	1.2	.9	.5	1.2	.9	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	49	49	46	19		
7 / 59	.1	1.6	1.7	.8	.5	.7	1.7	.7	.4	.4	.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	31	31	47	27		
5 / 57	.4	1.9	.7	.7	1.7	.7	.4	.4	.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	49	49	60	36		
4 / 57	.1	.4	.9	.9	.8	.9	1.2	.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	34	34	36	49		
7 / 55	.1	.4	.9	.8	.8	1.2	1.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	45	45	31	39		
7 / 51	.1	.7	.7	1.0	.7	1.8	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	40	40	45	24		
7 / 47	.1	.1	.7	.9	1.0	1.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	15	15	17	17		
7 / 45	.5	.6	.7	.8	.9	1.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	42	42	29	24		
6 / 45	.3	.5	1.2	1.5	.5	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	42	42	78	21		
4 / 41	.5	.1	1.3	.1	.8	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	37	37	47	27		
7 / 41	.4	.4	1.2	1.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	25	25	54	17		
7 / 39	.3	.4	1.2	1.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	22	22	42	11		
7 / 37	.1	.4	.9	.9	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	19	19	35	19		
7 / 35	.1	.4	.7	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6	6	29	18		
3 / 33	.1	.5	.7	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	11	11	16	28		
7 / 31	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1	1	12	28		
7 / 27																																				1	1	17	46	
7 / 25																																					5	34		
7 / 21																																					2	18		
7 / 21																																						2	15	
7 / 17																																							2	11
7 / 17																																							2	16
7 / 17																																							2	15
7 / 15																																							2	12
7 / 11																																							2	8
1 / 11																																							2	5
Element (X)	$\sum x'$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature																																		
Rel. Hum.						≤ 0 F	32 F	67 F	73 F	80 F	93 F	Total																												
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

USAFETAC FORM 0-26-5 (OL A) 1950 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF SURVEY  
 CLIMATE BRANCH  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: INDCALL AFH FL STATION NAME: 73-81 YEARS: \_\_\_\_\_  
 MONTH: \_\_\_\_\_  
 DATE: 0900-1100  
 HOURS: \_\_\_\_\_

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point												
TOTAL	7.14	9.15	9.92	7.21	11.27	6.7	2.6	1.7										762	762	762													

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	34251.9	48823	64.119.756		762							0.4
Dry Bulb	25176.1	431.5	56.617.203		762		0.1	17.7	1.0			0.4
Wet Bulb	20338.8	38458	57.511.250		762		4.5	5.6				0.4
Dew Point	16158.3	33135	43.515.166		762		28.4	4.0				0.4

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

FEDERAL CLIMATOLOGY BRANCH  
AFSTAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION TYNDALE AFB FL STATION NAME

70-81 YEARS

FEB  
MONTH

1980-1980  
HOURS 5.7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL																																		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																																
70																																																																					
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No. Obs.																																																																					
Mean No. of Hours with Temperature																																																																					
Rel. Hum.																																																																					
Dry Bulb																																																																					
Wet Bulb																																																																					
Dew Point																																																																					

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: MITTAL AFB FL STATION NAME: YEARS: FROM: 1950-1950  
MONTH: HOURS: 24

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
101	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	760	760	760	760

Element (X)	Σ X²	Σ X	Σ (X² / n)	Σ (X / n)	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	21491.2	447.2	50.919.269	760	760	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	21287.4	465.6	67.79.294	760	760			4.1	4.7	0.7		4
Wet Bulb	21917.4	471.1	52.71.138	760	760			7.6	0.1			4
Dew Point	1676358	73894	44.514.891	760	760	21.5		4.9				4

USAFETAC Form 44 0-26.5 (CL A) REVISOR 05-05-50

41 METEOROLOGICAL BRANCH  
 41 DATA & SERVICE ZMAD

PSYCHROMETRIC SUMMARY

STATION ZMAD  
 STATION NAME

1951

YEARS

PER MONTH

PERIOD OF RECORD

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
72																																						
73																																						
74																																						
75																																						
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100																																						
Σ X																																						
Σ X <sup>2</sup>																																						
Element (X)																																						
Rel. Hum																																						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: TYNDALL AFB FL STATION NAME: 77-51 YEARS: \_\_\_\_\_  
 MONTH: \_\_\_\_\_  
 PAGE: 0 1570-1700  
 HOURS: 1570

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

Element (X)	Σx'	Σx	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	29	4	47.53	52.7	76	0	32	67	73	80	93	4
Dry Bulb	251	45361	59.5	8.166	76	0	32	67	73	80	93	4
Wet Bulb	19244	45266	52.5	9.697	76	0	32	67	73	80	93	4
Dew Point	12127	44740	45.6	14.386	76	0	32	67	73	80	93	4

USAFETAC FORM 1054 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







U.S. AIR FORCE METEOROLOGICAL BRANCH  
 METEOROLOGICAL SERVICE CENTER  
 WASHINGTON, D. C.

# PSYCHROMETRIC SUMMARY

STATION: **LYNDALL AFB TX** STATION NAME: **LYNDALL AFB TX**

PERIOD: **7-51**

YEARS: \_\_\_\_\_

PERIOD MONTHS: \_\_\_\_\_

DATE: \_\_\_\_\_ ALL HOURS: \_\_\_\_\_

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
7 / 77																																					
7 / 75																																					
7 / 73																																					
7 / 71																																					
7 / 69																																					
7 / 67																																					
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X																																					
X <sup>2</sup>																																					
σ <sub>n</sub>																																					
No. Obs.																																					
Mean No. of Hours with Temperature																																					
0 F																																					
32 F																																					
67 F																																					
73 F																																					
80 F																																					
93 F																																					
Total																																					

USAFETAC



FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

74275 TAYDALL AFB FL STATION NAME

73-51 YEARS

YEAR

MAR MONTH

PAGE 1 0000-0000 HOURS 00-24

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	O.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point		
47/77		.6	.2																																	7	7		
/ 71		1.3	.7																																	17	17	9	
/ 69	1.2	3.2	1.9																																	33	33	75	25
/ 67	.2	5.5	1.4	1.1																																31	31	39	27
66/68	.2	4.5	2.6	.8	.1																														36	36	77	66	
47/67	1.2	4.4	.3	1.2	.2	.7	.2																												72	72	68	62	
/ 67	.2	5.5	1.1	.5	.5	.2																													67	67	71	61	
/ 69	.4	4.1	2.3	1.2	.5	.1	.1																												71	71	59	65	
/ 67	.4	3.5	1.2	1.6	.5	1.2	.2																												72	72	66	56	
57/66	.2	2.5	2.3	1.1	1.8	.8	.1																												77	77	60	62	
47/67	.1	2.4	1.2	.6	1.1	.5	.1																												31	31	52	44	
/ 61	.1	1.2	1.9	.2	.5	.6																													47	47	62	45	
67/64	.2	1.9	2.7	.4	1.2	.1																													47	47	40	40	
/ 47	.2	1.4	.8	.9	.2																														72	72	72	47	
/ 45	.1	1.4	.2	.5	.6	.1																													25	25	48	49	
47/43		.6	1.1		.1																														15	15	35	36	
77/41		.2	.2	.1																															5	5	38	34	
/ 71		.4	.2	.1																															6	6	15	17	
/ 71		.4	.4	.2																															8	8	8	27	
/ 75		.1																																	1	1	10	17	
77/73																																				1	1	3	14
/ 71				.4																															7	7	1	16	
57/61																																						12	12
/ 57																																						7	7
/ 25																																						7	5
/ 20																																						4	4
17/21																																						1	1
/ 13																																						1	7
17/11																																						7	7
TOTAL	4.34	6.72	2.71	0.9	7.4	4.4	1.1																													837	837		837

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

Element (X)	Z <sub>g</sub>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total	
Rel. Hum.	57	71	72		937	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	
Dry Bulb	27366	8	49128	54.7	7.964	837		.3	17.4	.8			93
Wet Bulb	26462	7	46487	55.5	8.872	837		.4	8.7				93
Dew Point	24193	5	44523	52.6	11.133	837		4.7	6.9				93

GENERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE / MAC

# PSYCHROMETRIC SUMMARY

STATION: GENERAL AFB FL  
STATION NAME: GENERAL AFB FL

73-81

YEARS

MO  
MONTH

PAGE 1  
330-0617  
HOURS 337

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
67																																							
68																																							
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USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	5796741	68629	80.0	14.242	837							37
Dry Bulb	2826477	48112	57.5	8.564	837			16.3	.6			47
Wet Bulb	2511737	45437	54.5	9.375	837		1.0	9.6				47
Dew Point	235405	43327	51.7	11.458	837	5.4	5.9					63







NATIONAL CLIMATOLOGY BRANCH  
WASH DC  
AUG WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: TUCUACAN AFB PL  
STATE: ARIZONA

72-31

YEARS

MAR  
MONTH

PAGE 1 OF 1  
HOURS: 877

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
1 / 1																																			877	877	877		

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						30 F	32 F	37 F	40 F	43 F		
Rel Hum.	79817	5544	66.319	.23F	837							
Dry Bulb	333185	54753	65.4	7.847	837			42.7	16.2			93
Wet Bulb	252239	40134	59.7	8.868	837			19.6	8.4			93
Dew Point	2471473	44227	52.812	6.885	837	8.5		17.3				93

USAFETAC FORM 0-26-5 (OL A) REVISIONS INDICATED BY NEW YORK ARE OBSOLETE



FEDERAL BUREAU OF INVESTIGATION  
 NATIONAL METEOROLOGICAL SERVICE  
 AIR FORCE WEATHER SERVICE, WPAFB

## PSYCHROMETRIC SUMMARY

STATION: WPAFB, OHIO  
 STATION NAME: WPAFB  
 YEARS: 1951-1952  
 DATE: 1952-1-15  
 HOURS: 24

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature				Total		
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	74173	56561	66.019	0.413	856							
Dry Bulb	78287	56787	66.077	0.58	856							
Wet Bulb	734634	57413	67.011	0.113	856							
Dew Point	2843111	44241	57.012	0.347	856	5.3	13.3					

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





UNITED STATES AIR FORCE  
 AIR FORCE  
 AIR FORCE

# PSYCHROMETRIC SUMMARY

STATION: [ ] STATION NAME: [ ] YEARS: [ ] MONTH: [ ] DAY: [ ]

USAFETAC FORM 026-5 (OLA) REVISIONS INDICATED BY THIS FORM ARE OBSOLETE

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	Days	
70																																					
71																																					
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100																																					
TOTAL																																					

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	5067.8	4644	70.21	15	837							
Dry Bulb	7100.44	5515	65.77	177	837							
Wet Bulb	7773.21	4766	57.06	188	837			11.0				
Dew Point	552.827	4577	54.61	551	837	3.6		8.6				

FEDERAL BUREAU OF INVESTIGATION  
 NATIONAL METEOROLOGICAL SERVICE

# PSYCHROMETRIC SUMMARY

STATION TULLAH, MISSISSIPPI STATION NAME

7-31

YEARS

MONTH

HOURS ALL

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
/ 72	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1		
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SAFETY FORM 0-26-5 (OL) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 SAFETY

# PSYCHROMETRIC SUMMARY

FEDERAL BUREAU OF SURVEILLANCE  
 NATIONAL METEOROLOGICAL SERVICE  
 WASHINGTON, D. C. 20541

STATION: TRAFALGAR SQUARE LOCATION: TRAFALGAR SQUARE YEARS: 1951  
 MONTH: ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	De-w Point	
70																																					
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Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$S^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	7724.536	4079.02	74.418	1.189	569							744
Dry Bulb	26458.92	4171.72	62.38	8.420	669	1.9	25.4	62.8	1.6			744
Wet Bulb	2252.639	3476.7	57.58	8.778	669	4.8	116.1	4.7				744
De-w Point	19873569	366463	57.211	559	669	43.6	76.2					744

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



FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.  
 WEATHER SERVICE/AMC

**PSYCHROMETRIC SUMMARY**

STATION TYNMALL AFB FL STATION NAME

72-81

YEARS

APP  
 MONTH

PAGE 1 0000-0000  
 HOURS 11.517

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					31								
70			.4																															7	7									
71	.4	2.2	1.8	.8																															22	22	9	7						
72	.8	4.7	1.9	.5																															59	59	28	16						
73	1.2	5.3	3.1	2.0	.2																														96	96	45	45						
74	.7	5.1	3.5	1.6	1.1	.4																													99	99	42	61						
75	1.1	3.3	3.7	2.2	1.1																														78	78	42	42						
76	.8	4.1	2.3	1.1	.8	.6	.2																												90	90	43	63						
77	.2	5.2	4.1	1.2	.2	1.1	.1																												79	79	42	56						
78	.1	4.9	3.5	1.6	1.0	.5	.1																												84	84	37	53						
79	.1	3.3	3.1	1.6	1.2	.1	.2																												6	6	66	67						
80	.1	1.4	.6	.2	.1	.7	.2																												77	77	62	48						
81			.4	.1																															10	10	49	61						
82		.1	.2	.2	.1																														12	12	43	47						
83			.4																																8	8	44	34						
84			.1																																1	1	4	16						
85				.4																															1	1	6	16						
86				.1																															1	1	17	10						
87																																				1	1	3	10					
88																																					1	1	4	4				
89																																						1	1	5	5			
90																																							1	1	4	4		
91																																								1	1	4	4	
92																																								1	1	4	4	
93																																									1	1	4	4
94																																									1	1	4	4
95																																									1	1	4	4
96																																									1	1	4	4
97																																									1	1	4	4
98																																									1	1	4	4
99																																									1	1	4	4
100																																									1	1	4	4
TOTAL	4.7	37.7	29.9	14.6	9.5	7.7	1.1																												917	910	610	910						

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

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.	5447537	55535	87.913400		817	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	3261457	51177	63.2	5.868	817			30.9	2.9			60
Wet Bulb	2926266	48356	59.7	6.985	817			17.9	1.0			60
Dew Point	2694237	46139	57.7	9.741	817		1.7	14.3	.8			60

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
HEADQUARTERS SERVICE/PAC

# PSYCHROMETRIC SUMMARY

STATION: TYNALL AFB FL STATION NAME: TYNALL AFB FL

73-81

YEARS

MONTH

PAGE 1 OF 1  
HOURS: 5

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					31			
77																																							
76	.1	1.4																																					
75	.1	3.5	1.0																																				
74	.2	4.7	3.1	.5																																			
73	.3	5.6	3.7	1.1	.1																																		
72	.4	5.1	3.0	1.1	1.1	.1																																	
71	.5	4.7	3.0	1.5	1.5	1.2																																	
70	.6	4.6	3.3	1.7	1.7	1.7																																	
69	.7	4.3	3.2	1.4	1.4	1.4																																	
68	.8	3.8	3.2	1.4	1.4	1.4																																	
67	.9	3.6	3.2	1.4	1.4	1.4																																	
66	1.0	3.1	2.5	1.4	1.4	1.4																																	
65	1.1	1.1	1.1	1.1	1.1	1.1																																	
64	.5	.5	.5	.5	.5	.5																																	
63	.5	.5	.5	.5	.5	.5																																	
62	.5	.5	.5	.5	.5	.5																																	
61	.5	.5	.5	.5	.5	.5																																	
60	.5	.5	.5	.5	.5	.5																																	
59	.5	.5	.5	.5	.5	.5																																	
58	.5	.5	.5	.5	.5	.5																																	
57	.5	.5	.5	.5	.5	.5																																	
56	.5	.5	.5	.5	.5	.5																																	
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54	.5	.5	.5	.5	.5	.5																																	
53	.5	.5	.5	.5	.5	.5																																	
52	.5	.5	.5	.5	.5	.5																																	
51	.5	.5	.5	.5	.5	.5																																	
50	.5	.5	.5	.5	.5	.5																																	
TOTAL	.14	2.12	3.61	7.6	6.6	0.1																																	

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

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	56	17.6	66.58	87.21	7.8	61	67 F	73 F	80 F	93 F	Total	
Dry Bulb	314067	5164	61.9	6.48	81		34.5	2.2				
Wet Bulb	2545169	47527	59.3	7.441	81		14.7	1.2				
Dew Point	7531647	45549	56.2	9.320	81	1.8	13.1	.7				







AIR FORCE CLIMATOLOGY BRANCH  
 WPC TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: INTCALL AFB FL STATION NAME

73-37

YEARS

MONTHS

PERIOD: 1970-1971  
 HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 25																																				
/ 24																																				
/ 23																																				
/ 22																																				
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TOTAL	.4	1.2	1.4	1.5	1.6	1.7	1.7	1.5	1.6	1.7	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Ref. Hum.	356745	62089	64.3	316.4	21							
Dry Bulb	457454	68767	77.7	4.2	31							
Wet Bulb	346454	52711	64.6	5.8	81			27.8	6.1			
Dew Point	789854	47784	50.7	4.3	81	1.7		21.8	2.3			

CLIMATE BRANCH  
 TAC  
 SERVICE 7460

# PSYCHROMETRIC SUMMARY

STATION: INTELL AFB FL STATION NAME: INTELL AFB FL YEARS: 1951 DATE: 1951-01-01

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
77																																						
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Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	X	%	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	4	451	504	77.715	272	31						
Dry Bulb	7	78199	8577	60.24	373	81		50.6	14.1			
Wet Bulb	7	73311	8154	61.86	305	81		56.1	2.7			
Dew Point	7	66416	47447	56.4	8928	81	1.1	16.0	1.3			

USAFETAC FORM 0-20-5 (O.L.A.) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

METEOROLOGICAL BRANCH  
 STATION  
 AT *LAKE CHARLES, LA*

# PSYCHROMETRIC SUMMARY

STATION *7* INSTALLATION *PL* YEARS *70-71*  
 STATION NAME *LAKE CHARLES, LA*

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P.		
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STDEV																																						
REL. HUM.																																						
DRY BULB																																						
WET BULB																																						
DEW POINT																																						

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



PSYCHROMETRIC SUMMARY

STATION: [Faint text] STATION NAME: [Faint text] YEARS: [Faint text]

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel Hum	7568471	457147	72.217	6.51	643	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	211777	475156	67.8	6.994	643			47.4	198.7	17.1		
Wet Bulb	284159	41156	63.9	7.73	643			22.4	28.4			
Dew Point	216346	37398	57.7	9.644	643	12.4	17.7	12.7				







FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL BRANCH  
 WEATHER SERVICE

# PSYCHROMETRIC SUMMARY

STATION: TYNIALE AFB FL STATION NAME: TYNIALE AFB FL

YEARS: 1951-1952

MAY

PERIOD: 0910-1100 HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point		
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USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	7544	5569	66.5	14.29	836							47
Dry Bulb	15117	5853	78.4	4.42	836			97.6	83.6	39.7		97
Wet Bulb	15515	5878	78.3	4.78	836			76.3	34.9	1.1		92
Dew Point	3633	5406	65.7	7.69	836			52.7	12.2	.4		93











CENTRAL CLIMATOLOGY BRANCH  
 WETBULB  
 AND WEATHER SERVICE/MAO

### PSYCHROMETRIC SUMMARY

STATION: INSTALL AFB FL STATION NAME: 73-51

73-51

YEARS

MONTH

PAGE: ALL  
 HOURS: ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point			
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TOTAL	10	10	426	419	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1065.141	577225	75.214	554	6694	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	76 85 1	425697	74.2	5930	6694			668.5	462.6	39.7		744
Wet Bulb	11237 7	454757	68.5	5442	6694			534.3	186.7	2.8		744
Dew Point	24551 7	45242	65.5	7.111	6694			399.3	80.4	.9		744

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





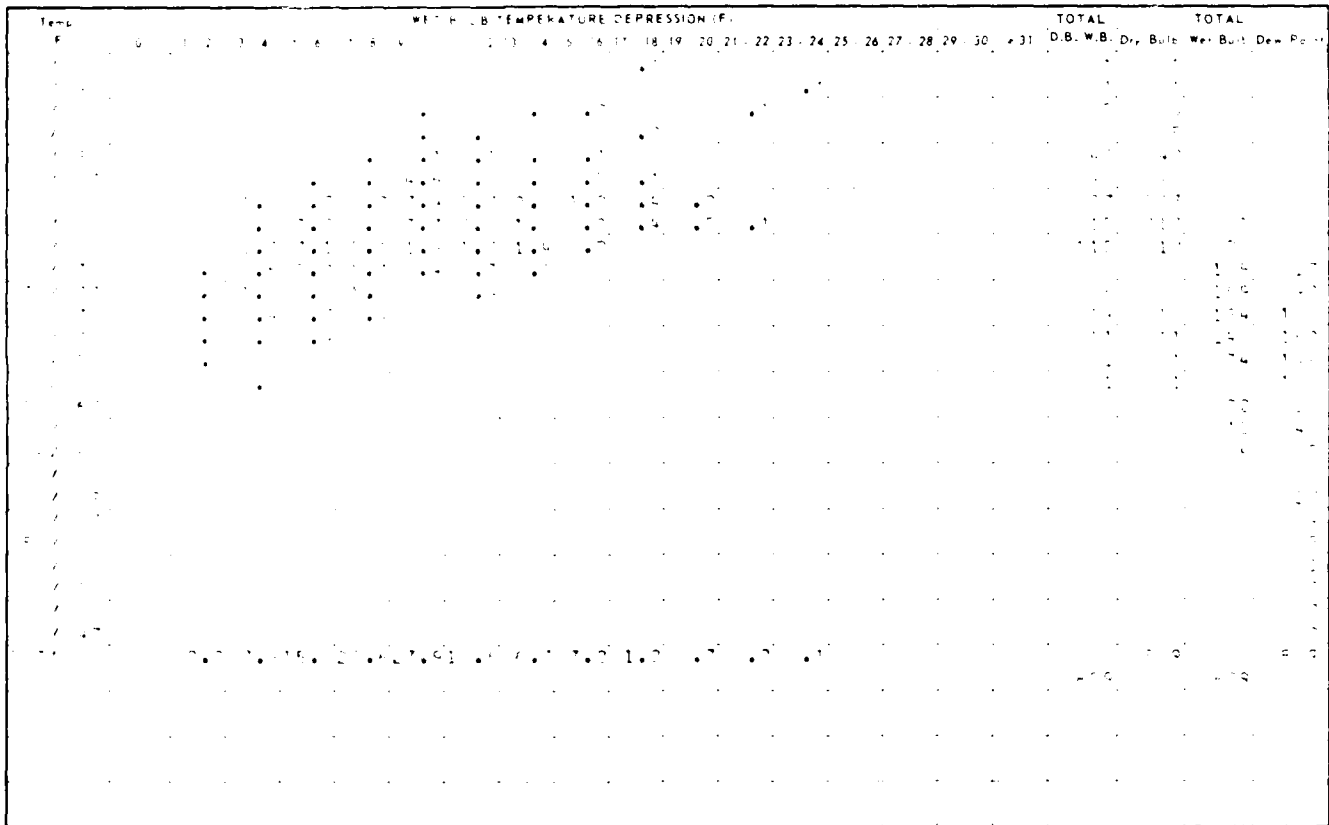






# PSYCHROMETRIC SUMMARY

STATION: STATE: \_\_\_\_\_ YEARS: MONTH: \_\_\_\_\_  
 HOURS: \_\_\_\_\_



USAFETAC FORM 0265 (OLA) 98-100 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum.	7770	4146	67.7	11.2	60	0	0	0	0	0	0	0
Dry Bulb	81144	6744	77.0	7.4	87	0	0	0	0	0	0	0
Wet Bulb	47144	4920	77.0	7.4	64	0	0	0	0	0	0	0
Dew Point	41407	6746	71.1	6.1	60	0	0	0	0	0	0	0







CLIMATE RECORD RANCH  
 WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION: INDCALL AIR FL STATION NAME: 72-01 YEARS: 1950  
 PAGE: 1 HOURS: ALL

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
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100	1.21	1.22	4.12	1.21	1.12	1.5	1.4	7.4	1.3	1.3	1.7	1.7	1.1	1.1																							
																6475		6475																			
Element (X)	Zx'	Zx	X	Pa	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.	7167	391	477767	74.117	182	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																									
Dry Bulb	417	7349	519717	8	9	6479	716.7	655.9	415.7	4.7		709																									
Wet Bulb	537	47613	477911	77.8	4	6479	677.4	483.9	79.8			729																									
Dew Point	324	76501	458185	70.8	5	6479	573.5	33.5	5.7			729																									

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





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

### PSYCHROMETRIC SUMMARY

STATION: TYNDALL AFB FL STATION NAME: 73-01 YEARS: 1973 MONTH: JUL  
 REPORT PERIOD: 01 JUL 1973 HOURS: 1517

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	De-w Point																
/ 63																		74	104																		
/ 64			.4	1.1	3.0	7.0	2.2										124	124																			
/ 65		.5	1.1	2.1	4.2	6.4	1.7										171	131	4	7																	
/ 66	.1	1.1	2.3	4.6	7.7	.4											147	140	7	6																	
/ 67	.2	1.2	3.4	4.8	1.6	.1											139	139	9	11																	
/ 68	.2	3.0	5.3	2.5	.5												117	117	10	11																	
/ 69	.2	4.4	3.7	1.7	.2												90	90	21	10																	
/ 70	.1	2.2	1.4	.0													41	41	13	2																	
/ 71	.7	1.3	.1														19	10	3	1																	
/ 72	.1	.1															7	2	6	1																	
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TOTAL		7.1	15.6	7.7	24.4	19.9	7.0	1.0									477	337																			

Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	53-45-91	66-71	70.7	9.423	837	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	44-51-94	67-68	8.6	2.997	837	97.0	90.8	56.7				97
Wet Bulb	48-53-94	63-65	75.7	2.739	837	93.7	81.1	6.3				93
Dew Point	48-49-92	61-58	73.6	2.949	837	92.1	61.2	2.7				93

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







WORLD CLIMATOLOGY BRANCH  
 WAFSC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7175 TYNALL AFB FL STATION NAME

71-81

YEARS

JUL

1955-1955  
 HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Diff.	Wet Bulb De-Point			
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Σ X <sup>2</sup>	1741344																																				
Σ X <sup>3</sup>	4282611																																				
Σ X <sup>4</sup>	4875942																																				
Mean No. of Hours with Temperature																																					
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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







RETRATOON - HANOH  
 STATION NAME STATION  
 YEARS

### PSYCHROMETRIC SUMMARY

Temp in F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	De-w P.					
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TOTAL																																									

USAFETAC FORM 0 26 S (OL A) REVISE AIRCRAFT ENGINEER'S USE ONLY



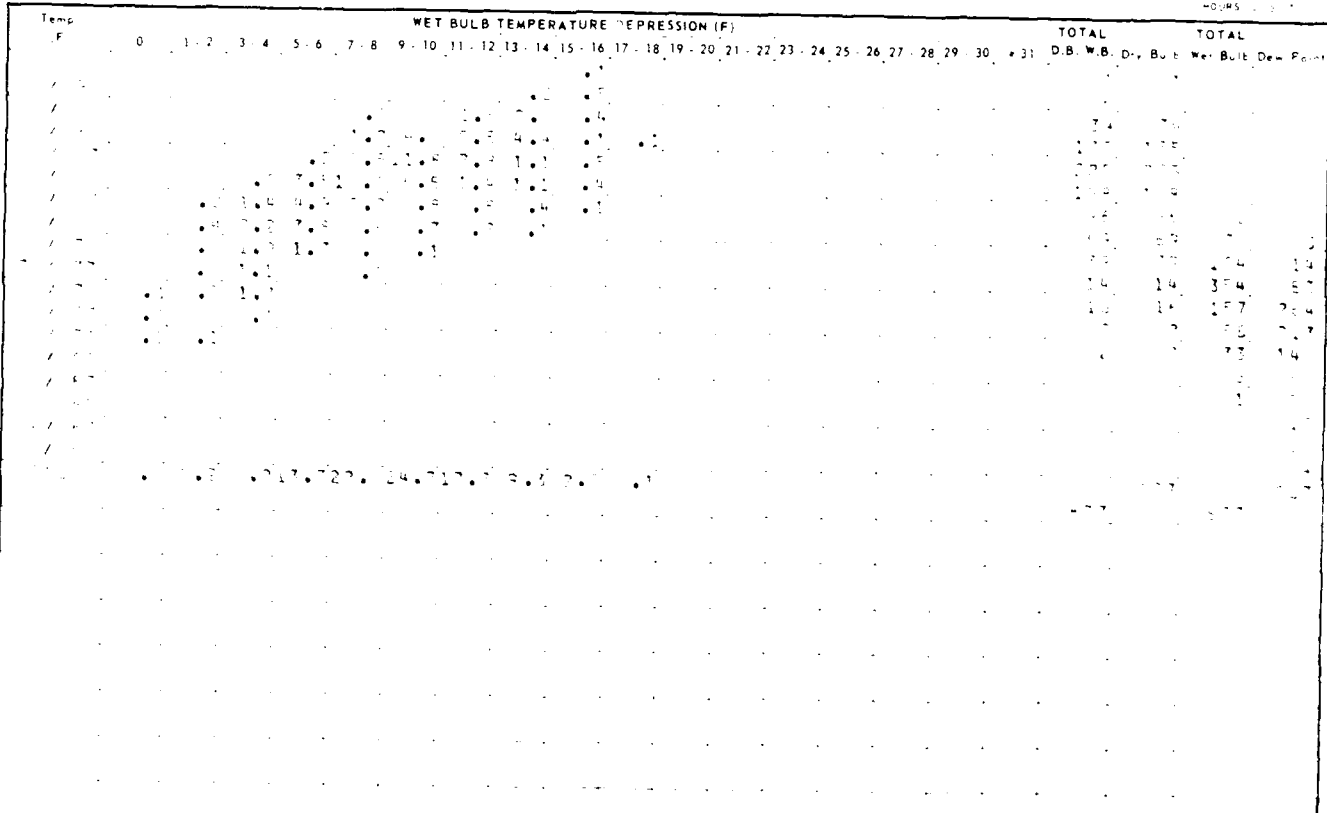


FALL QUARTERLY REPORT  
 STATION  
 STATION NAME

STATION NUMBER  
 STATION NAME

# PSYCHROMETRIC SUMMARY

PERIOD  
 FROM 10/1/55  
 TO 12/31/55  
 HOURS 1195



Element (X)	Σ x	Σ x <sup>2</sup>	Σ x	Σ x	No. Obs.	Mean No. of Hours with Temperature					Total
			50 F	32 F		67 F	73 F	80 F	93 F		
Rel. Hum.	170	28900	73.0	1.17	57	1.7	4.2	8.0	9.3	1.3	1.3
Dry Bulb	170	28900	73.0	1.17	57	1.7	4.2	8.0	9.3	1.3	1.3
Wet Bulb	485	120025	79.1	2.54	192	63.0	87.4	67.0	67.0	1.3	1.3
Dew Point	485	120025	79.1	2.54	192	80.9	64.1	1.0	1.0	1.3	1.3

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



ALCOLO PATOLOGY BRANCH  
 7140  
 HEALTH SERVICE Bldg

### PSYCHROMETRIC SUMMARY

STATION: INSTALL AFB FL STATION NAME

YEARS: 1951-1952  
 HOURS: 8777

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point	
70																																						
71																																						
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100																																						
TOTAL	2.3	1.8	1.1	0.2	1.7	1.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.4	0.7	
TOTAL	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	

USAFETAC FORM AN 04 0 26 5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	S <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	724554	72714	64.91	7.017	87							
Dry Bulb	432277	72714	84.2	4.37	87							
Wet Bulb	3013425	64745	77.4	7.371	87							
Dew Point	4517115	61432	77.4	3.148	87							

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 WET BULB TEMPERATURE DEPRESSION SERVICE (WMBD)

**PSYCHROMETRIC SUMMARY**

STATION: **INCHALL AFB FL**  
 STATION NAME: **INCHALL AFB FL**

72-45

YEARS:

PERIOD: **1971-1977**  
 HOURS: **8760**

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

Temp	WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL	TOTAL					
(F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
72																																							
73																																							
74																																							
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TOTAL																																							

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	7136789	51106	67.11	16.16	837							
Dry Bulb	1288032	71332	85.5	7.55	837			77.0	57.0	54.0	1.1	57
Wet Bulb	4287631	24333	29.0	2.67	837			27.0	38.1	6.3		71
Dew Point	4486372	21152	25.3	2.12	837			89.1	59.8	0.4		93





U.S. AIR FORCE CLIMATOLOGY BRANCH

ATTENTION: SERVICE/STATION

### PSYCHROMETRIC SUMMARY

STATION:  STATION NAME:  YEARS:  MONTH:

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	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb	Dew Point					
70																												0							
71																													1						
72																													2						
73																													3						
74																													4						
75																													5						
76																													6						
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97																													27						
98																													28						
99																													29						
100																													30						
Totals																													6695		4695				

Element (X)	$\sum X$	$\sum X^2$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature				Total		
Rel. Hum.	32971.7	5000.7	74.711946		6695	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	44805.3	54789	81.94938		6695			744.7	738.7	467.1	4.8	744
Wet Bulb	39172.46	55174	79.57844		6695			739.7	639.3	37.8		744
Dew Point	3442.13	48623	72.77281		6695			733.5	440.2	1.2		744

USAFETAC FORM 0-26-5 (OL A) REVISED IN-VISIT EDITIONS OF THIS FORM ARE OBSOLETE JAN 54





FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL BRANCH  
STATISTICAL SERVICE DIVISION

### PSYCHROMETRIC SUMMARY

STATION NAME: [Blank]  
STATION NAME

YEAR: [Blank]

YEARS

MONTH: [Blank]

Temp °F	WET BULB TEMPERATURE DEPRESSION (°F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew-Point		
60																																							
61																																							
62																																							
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Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	54747.8	46.0	80.0	0.141	817	0 F	32 F	67 F	73 F	80 F	93 F	57
Dry Bulb	4321.8	417.0	74.0	0.344	817							7
Wet Bulb	3237.8	51.0	73.0	0.217	817							7
Dew Point	2232.8	56.0	70.0	0.036	817							7

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





STATION: [Illegible]  
 STATION NAME: [Illegible]  
 YEARS: [Illegible]

# PSYCHROMETRIC SUMMARY

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.			
70																																							
71																																							
72																																							
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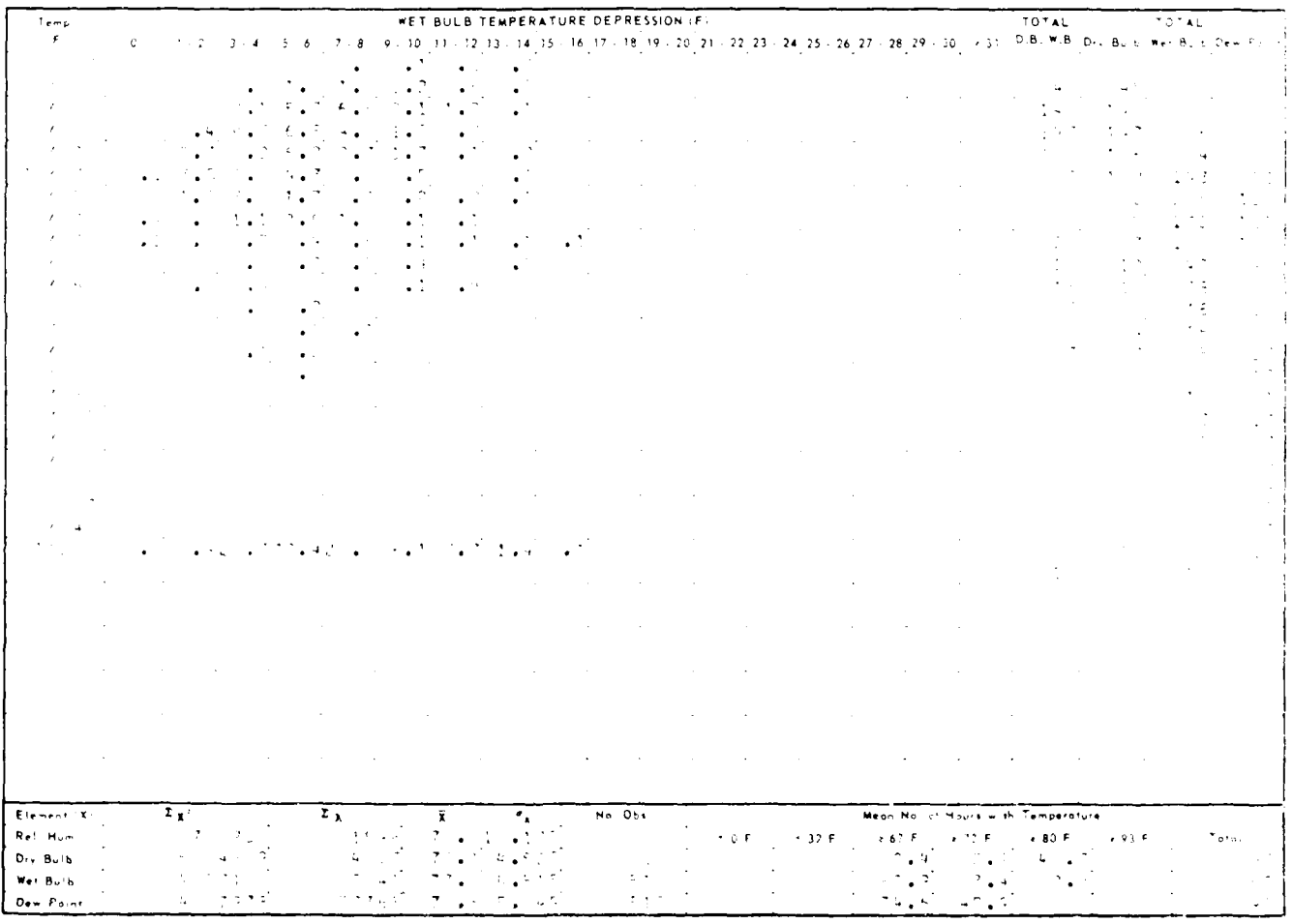
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma^2$	No. Obs	Mean No. of Hours with Temperature				Total	
Rel Hum	7 267.00	2485	64.91	6.14	60	0 F	32 F	67 F	73 F	80 F	93 F
Dry Bulb	7 700.00	3244	54.07	6.17	60			66 F	74 F		
Wet Bulb	6 471.00	1715	28.58	4.36	60			74 F	78 F	82 F	
Dew Point	4 151.00	675	11.25	2.81	60			78 F	79 F	81 F	

USAFETAC FORM 0 26 5 (OLA) REVISIONS INDICATED BY THIS NUMBER 85-117



# PSYCHROMETRIC SUMMARY

STATION: \_\_\_\_\_ STATION NAME: \_\_\_\_\_ YEARS: \_\_\_\_\_



USAFETAC FORM 0 265 (02-64) PREPARED BY THE ARMY AIR FORCE  
 JUL 64

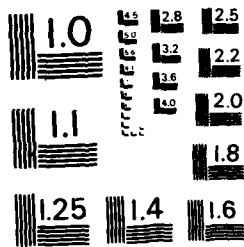
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TYNDALL AFB FLORIDA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 DEC 82  
UNCLASSIFIED USAFETAC/DS-82/080 SBI-AD-E850 380 F/G 4/2 NL

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 963 - A

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 74776 LYNDALL AFB FL STATION NAME 72-61 YEARS SEP  
 MONTH 2100-2100  
 HOURS U. S. T. 11  
 PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B. Dry Bulb	Wet Bulb	Dew Point		
6 / 50				.4	.7	.2																												11	11		
4 / 52				.7	2.5	2.4																												51	51		
7 / 51		1.1	2.7	3.5	1.6	.2				.4	.4																						74	74	3		
7 / 79		2.5	8.3	5.5	2.1	.4	.2																										156	157	27	11	
7 / 77	.5	6.9	10.3	5.1	2.4	.7																											279	279	91	47	
6 / 75	.1	4.7	6.1	2.2	1.5																												119	127	276	1.2	
4 / 73	.5	1.6	2.2	1.7	.5	.4	.2	.1																									59	59	179	178	
7 / 71		2.0	3.8	.5	.4	.4																											57	57	91	142	
7 / 69	.1	.2	1.2	.5	.5	.1																											23	23	73	1.1	
6 / 67		.5	1.0	.5	.1																												19	19	51	59	
6 / 65	.1	.2	.2	.1	.2	.4																											11	11	27	55	
4 / 63			.4	.2	.1	.1																											7	7	21	27	
7 / 61			.4	.1																													3	3	11	13	
7 / 59			.5	.1																													5	5	8	18	
7 / 57			.5																														4	4	9	4	
5 / 55			.5																																	6	11
7 / 53																																				5	17
7 / 51																																				3	3
7 / 49																																				3	3
7 / 47																																				3	3
TOTAL	1.4	10	39.7	23.6	17.3	2.7	1.4	.1																									808	810	878	97.9	
Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	X	%	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.	534	309	6527	80.8	9.202	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																										
Dry Bulb	4786274	62157	76.7	4.665	808			86.7	75.7	24.3		90																									
Wet Bulb	4261375	58549	72.5	4.829	808			80.3	56.4	1.8		90																									
Dew Point	4021449	56915	70.3	5.727	808			72.0	38.3	.1		90																									

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





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 147750 TYNDALL AFB FL STATION NAME 73-81 YEARS OCT MONTH

PAGE 1 0400-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
6 / 52				.4	.4													6	5																
7 / 51				.1														1	1																
7 / 79				.7														2	2																
7 / 77			.5	.5	1.7													16	16	7															
7 / 75		1.4	1.4	1.6	.5	.1												42	42	16	6														
7 / 73		.5	1.4	1.7	.4		.1											34	34	18	14														
7 / 71	.1	.6	4.3	1.2			.4											55	55	72	27														
7 / 69	.6	2.2	4.7	.7	.5	.1	.2											75	75	56	27														
7 / 67	1.3	3.4	3.5	2.7		.1	.4											89	89	84	70														
7 / 65	.7	2.9	3.1	2.6	.4	.1	.2	.1										85	85	74	61														
7 / 63	1.8	3.7	3.4	2.2	1.4	.2	.2											108	108	73	69														
7 / 61	.5	2.9	2.3	1.4	.7	.4	.5											71	72	92	58														
7 / 59	.1	2.0	2.7	2.5	.8	1.0	.2											73	74	68	81														
7 / 57		1.4	1.8	2.2	1.3	.7	.2											64	65	52	61														
5 / 55		1.7	2.3	1.2	.7	.4												52	52	61	53														
4 / 53		.5	1.4	1.2	.6	.1												72	32	58	20														
2 / 51		.4	1.7	.8	.1													19	10	59	53														
5 / 49		.2	.2	.1														5	5	46	50														
7 / 47				.4														3	3	24	43														
7 / 45			.1	.1														2	2	14	24														
4 / 43																				4	30														
2 / 41																				3	18														
4 / 39																					26														
7 / 37																					4														
7 / 35																					14														
3 / 33																					1														
TOTAL		2.224	1.33	5.27	6	7.9	3.2	2.5	.1										834	837	834	834													

FORM 0-26-5 (OL A) REPRODUCED BY AUTHORITY OF THE AIR FORCE AND AIR FORCE ENGINEERING DEVELOPMENT CENTER, WRIGHT-PATTERSON AIR FORCE BASE, OHIO 45433-3900

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	334677	65615	78.7	13.75	834	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	93
Dry Bulb	3506736	53878	64.4	6.794	837			35.6	11.2	.0		93
Wet Bulb	3.89428	50382	60.4	7.419	834			22.2	4.1			93
Dew Point	2813743	47833	57.4	9.212	834			15.6	2.2			93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

74775 TYNOLL AFB FL 73-81 OCT  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
77				.4	.4																												6	6					
76			.1																															1	1				
75		.4	1.1	.1																														13	17		7		
74		.7	1.4	1.0	.1																														27	27	12	5	
73		1.2	1.1	.2		.1																													22	22	18	15	
72		.6	3.2	.6	.2		.1																												42	42	19	19	
71	.7	2.5	4.5	.8	.1																														73	73	34	27	
70	1.2	4.4	2.5	.3	.2	.1	.2																												80	80	78	62	
69	.5	4.4	3.0	1.1	.4																														79	79	69	67	
68	1.7	3.8	3.1	1.4	.1			.1																											86	86	81	62	
67	1.	3.6	3.2	1.4	.5	.1																													82	92	90	65	
66	.4	3.1	2.2	1.6	1.2	.5	.1																												75	75	59	73	
65	2.0	3.5	.5	.3	.4																														67	67	78	67	
64	1.2	1.9	2.9	1.1	.4																														62	62	47	58	
63	2.2	3.2	1.4		.4																														59	59	51	36	
62	.4	1.7	.7	.6																															28	28	54	54	
61	.4	1.0	.8																																18	18	61	42	
60	.4	.7	.1	.1																															11	11	36	30	
59	.1	.2	.2																																5	5	27	48	
58		.6																																	3	3	9	29	
57																																						4	27
56																																					5	23	
55																																						8	
54																																						4	
53																																						12	
52																																						4	
51																																						12	
TOTAL	5.5	32.7	38.0	16.1	5.9	1.9	.6																													837	837	837	

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5671782	68188	81.5	11.815	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	93
Dry Bulb	3322982	52386	62.6	7.276	837			29.1	7.7	.7		93
Wet Bulb	2989226	49584	59.2	7.876	837			18.2	3.7			93
Dew Point	2763686	47422	56.7	9.432	837			14.0	2.2			93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

267750 TYNDALE AFB FL 73-81 73-81 OCT MONTH

PAGE 1 2690-0900 HOURS (L. S. T.)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
6 / 85				.1	.1	.2																												4	4				
4 / 83				.1	.1																														2	2			
7 / 81			.2	.5																															6	6			
7 / 79			.5	1.0	.1	.1																													14	14	2		
7 / 77		.1	.5	.7	.5		.2																												17	17	5	1	
6 / 75		.6	1.4	1.2	.1																														28	28	16	8	
4 / 73		.8	2.7	1.1	.6	.1																													39	39	16	13	
7 / 71	.2	2.9	2.5	.5	.2	.5																													57	57	35	25	
7 / 69	.8	1.9	3.9	1.3	.6	.4	.1																												76	76	63	44	
6 / 67	.8	2.4	2.9	1.6	1.6	.1	.1	.1																											87	87	57	68	
6 / 65	1.0	3.8	2.9	1.3	1.1	.5	.4																												90	90	74	59	
4 / 63	1.7	3.3	2.4	1.4	.5	.2	.2																												79	79	94	67	
7 / 61	.7	7.1	1.8	1.4	.5	.6	.1																												72	73	81	64	
7 / 59	.5	2.8	2.8	1.6	1.7	.5																													81	81	71	67	
5 / 57		1.2	2.4	1.4	1.3	.2																													55	55	65	72	
5 / 55		1.6	2.3	.6	1.3	.2																													50	50	52	36	
4 / 53		.8	1.3	1.2	.2	.2																													38	38	56	55	
2 / 51		.2	1.7	1.0	.1																														19	19	48	52	
5 / 49		.5	1.1	.4	.1																														17	17	41	37	
4 / 47		.6	.4	.1																															7	7	35	40	
4 / 45		.1	.2																																3	3	20	25	
4 / 43		.1	.1																																1	1	11	35	
2 / 41			.1																																1	1	2	30	
4 / 39																																						1	20
7 / 37																																						1	6
7 / 35																																						4	
34 / 33																																						8	
TOTAL		.4	26.6	32.5	19.1	11.1	3.9	1.1	.2																											836	836		836

Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3497779	53739	64.2	7.538	836			35.9	12.2	2.2		93
Wet Bulb	3086110	50382	60.3	7.877	836			21.6	4.3			93
Dew Point	2818572	47896	57.3	9.447	836			17.7	2.4			93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 74770 TYNOCALL AFB FL STATION NAME: 73-81 YEARS: \_\_\_\_\_ MONTH: OCT

PAGE: 1 7970-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
80							.1	.2	.1									4	4																
79					.2	.4	.7	.1	.1									13	13																
78					.1	1.0	.2	.4	.5	.1								19	19																
77				.8	1.0	.7	1.1	.6	.1									44	44																
76				1.7	2.2	1.8	.4	.8	.7	.2								59	59	1															
75		.1	.2	1.4	1.9	2.5	.3	1.0	.5	.1	.1							73	73	3	1														
74		.1	.8	.8	2.4	1.2	1.8	1.9	.4	.6								84	84	16	2														
73		.1	1.7	1.9	1.7	2.5	1.1	.7	.7	.6								92	92	48	9														
72		.4	1.3	1.6	1.7	1.0	1.6	.6	.4									70	70	54	23														
71		.5	1.7	.8	2.3	1.3	1.4	1.4	.6		.1							85	85	76	52														
70		.7	.8	1.4	1.2	1.3	1.8	1.4	.6		.1							79	79	84	59														
69		.6	1.7	1.2	1.4	1.3	1.6	.8	.1	.1								74	74	62	65														
68	.2	.8	.8	.7	.6	.7	.7	.2	.1									42	42	94	79														
67	.1	.2	.1	.8	1.2	1.0	.5	.5	.2									39	39	90	52														
66		.2	.2	.5	.5	.6	.4	.2										22	22	63	65														
65		.5	.1	.2	.6	.1												12	13	54	63														
64	.2	.1	.1	.1	.2	.2												9	9	65	65														
63			.4	.5														8	8	49	48														
62			.4	.2	.1													6	6	26	42														
61																				20	38														
60		.2																2	2	22	33														
59																				10	46														
58																					35														
57																					30														
56																					15														
55																					14														
54																					8														
53																					5														
52																					3														
51																					2														
50																					2														
TOTAL	.6	4.2	10.4	13.9	27.4	18.7	14.2	11.0	5.1	1.8	.4							837	837	837	837														

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3385938	51670	61.7	15.321	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4534747	61313	73.3	7.202	837			77.3	50.9	19.9		93
Wet Bulb	3530238	54020	64.5	7.237	837			38.2	13.6	.2		93
Dew Point	2955328	49052	58.6	9.822	837		.4	23.4	3.9			93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

04775 TINDALL AFB FL 73-81 YEARS OCT 1900-1900  
STATION STATION NAME MONTH HOURS (L. S. T.)  
PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 91								.1	.4	.2	.2							8	8																
/ 89						.1	.2	.6	.4	.2								13	13																
/ 87					.2		.5	.1	.6	.1								13	13																
/ 85					.2	1.7	.5	1.3	.5	.1	.1							37	37																
/ 83				.5	1.8	2.0	1.3	1.0	.5	1.0	.5							70	70																
/ 79			.2	1.1	1.7	1.6	3.1	2.6	2.7	.8	.4	.2						117	117																
/ 77			.1	.6	1.0	3.1	1.6	2.7	1.6	2.2	1.1	.2	.4					122	122	14	4														
/ 75		.1	.4	1.3	.8	1.3	1.4	1.4	1.7	.8	.2							80	80	60	7														
/ 73		.1	1.4	.8	.5	.8	1.1	1.9	1.6	1.7	.4							82	82	77	22														
/ 71		.2	1.0	.7	.7	.5	1.2	1.9	1.2	.6	.2							69	69	78	27														
/ 69		.4	.8	1.0	.4	.5	.7	.4	.5	.1								75	75	125	64														
/ 67		.4	.2	.5	.4	.8	.5	.1	.7	.4								41	41	79	48														
/ 65		.4	.2	.2	.5	.4	.6	.1										22	22	94	79														
/ 63		.1	.1		.4		.4											8	8	55	71														
/ 61		.1		.1	.1	.1	.1											6	6	67	66														
/ 59					.1													2	2	71	55														
/ 57			.1			.1												2	2	57	59														
/ 55			.7			.2												7	7	72	41														
/ 53			.2															1	1	17	32														
/ 51																				18	54														
/ 49																				4	45														
/ 47																				5	28														
/ 45																					34														
/ 43																					26														
/ 41																					15														
/ 39																					16														
/ 37																					13														
/ 35																					6														
/ 33																					8														
/ 31																					4														
TOTAL		2.9	5.5	2.7	12.5	14.6	15.9	15.3	13.4	7.3	3.1	1.7							837	837	927														
Element (X)		Σx'		Σx		Σ		Σ%		No. Obs.		Mean No. of Hours with Temperature					Total																		
Rel. Hum.		2734628		45022		54.9		16.741		837		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total											
Dry Bulb		5003430		6458		77.1		6.164		837						68.3		72.2		35.7				93											
Wet Bulb		3678469		55209		66.7		6.639		837						46.3		17.2		.3				93											
Dew Point		2556844		49022		58.6		10.124		837						.4		22.8		3.7				93											

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

DATE: 73-31 STATION: TYNACALL AFB FL STATION NAME: YEARS: OCT MONTH: PAGE 1 1500-1700 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 61										.1	.1							2	2																
/ 62									.1	.2								3	3																
6 / 65				.2	.5	.8	.2	.8	.5									27	27																
/ 67				.2	1.1	.7	.6	.8	.4							.1		33	33																
/ 68			.1	1.0	1.7	1.1	1.8	1.3	.8	.4	.4	.1						72	72																
/ 69			.4	1.6	1.6	2.7	2.7	1.9	1.0	.5	.7			.1				98	98		5														
7 / 77		.2	1.4	2.2	2.5	1.7	1.6	.7	1.4	.8	.6							110	110	11	4														
/ 75		.2	1.4	1.7	2.4	1.8	1.7	1.6	1.1	.8	.4	.1						117	117	33	4														
4 / 72		.7	1.9	2.0	2.7	1.2	1.9	1.6	1.8	.4	.5							117	117	65	28														
/ 71		.6	2.5	1.1	1.7	.4	1.9	1.2	1.6	.4	.1							88	88	83	56														
/ 69		.4	1.3	.7	.5	.7	1.1	1.1	.7	.5	.2							60	60	99	46														
/ 67		.6	1.4	.2	1.0	1.3	.1	.5	.2	.1								46	46	102	67														
6 / 65		.2	1.0	.4	.7	.4	1.0	.5	.2									36	36	86	78														
4 / 63		.2	.7	.2	.1	.5	.4											13	13	74	67														
/ 61				.1	.1	.2	.1											5	5	69	67														
/ 59					.1													1	1	65	48														
5 / 57		.1	.2	.1			.1											5	5	61	37														
5 / 55					.1	.1												2	2	34	36														
/ 53					.1													1	1	24	46														
/ 51																				16	44														
6 / 49																				5	26														
4 / 47																				3	23														
4 / 45																				1	41														
4 / 43																					21														
-2 / 41																					17														
4 / 39																					13														
7 / 37																					16														
7 / 35																					13														
3 / 33																					5														
/ 31																					3														
TOTAL		3.3	11.6	11.7	15.6	12.8	14.5	12.4	17.2	4.2	3.1	.2	.1					836	836	836	836														

Element (X)	Z <sub>g</sub> '	Z <sub>g</sub>	X	σ <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	3138557	49152	58.8	17.258	836	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	47428	62783	75.1	5.775	836			86.0	64.4	21.0		93
Wet Bulb	360598	54596	65.3	6.487	836			44.3	12.7	.2		93
Dew Point	2957832	49300	58.6	10.138	836			.3	22.8	4.0		63

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

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

**PSYCHROMETRIC SUMMARY**

742751 TINDALL AFB FL 70-51 301  
STATION STATION NAME YEARS MONTH  
PAGE 1 1900-2000  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
70				.1	.1													6	6																
71				.4	.5	.1	.1	.1										17	17																
72				1.1	.8	.8	.2		.1									27	27																
73				1.1	1.3	1.5	.1	.2										43	43	3															
74		1.3	1.7	1.8	1.6	1.6		.1	.4									72	72	75	7														
75		1.3	1.3	2.4	1.1	.4		.1	.1									72	72	79	34														
76		2.5	2.3	2.7	1.9	1.2		.6	.1									174	174	48	19														
77	.2	2.6	2.4	2.9	1.7	1.7	1.3	.6	.2									123	123	95	62														
78	.1	1.4	3.1	2.4	2.4	1.4	1.3	.4	.1									176	176	75	68														
79	.6	2.2	1.7	1.3	1.3	1.7	1.1	.4	.4									87	87	107	79														
80	.1	1.1	1.8	2.7	2.2	1.7	1.1		.1									87	83	93	64														
81	.2		1.1	1.4	1.6	.5	.4											43	43	75	67														
82		.5	1.7	1.1	.7	.7												36	36	72	63														
83		.4	.5	.2	.2	.1												14	14	72	67														
84		.1		.1	.1	.2												5	5	66	48														
85			.2		.1	.1												4	4	41	59														
86				.7														2	2	24	39														
87																				11	36														
88																				5	37														
89																				6	36														
90																					7														
91																					17														
92																					16														
93																					4														
94																					4														
95																					1														
96																					1														
TOTAL	1.2	13.92	1.8	22.62	1.1	11.8	6.3	1.9	1.4									837	837	837	837														

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	441442	59473	71.1	14.907	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	424594	57838	69.1	5.777	837			62.6	25.6	3.0		97
Wet Bulb	3368292	52810	63.1	6.587	837			30.6	6.3			93
Dew Point	2964485	49241	58.8	8.994	837		.1	20.0	4.1			93

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



GENERAL CLIMATOLOGY BRANCH  
 WPC/STAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: INSTALL AFB FL STATION NAME: 73-81

YEARS: \_\_\_\_\_

MONTH: OCT

PAGE: 1 2400-2700  
 HOURS (L.S.T.): \_\_\_\_\_

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
77				.1	.7	.2												7		7															
76			.4	1.6	1.6	1.6												40		40	3														
75		1.4	1.5	1.2	.4	.5												41		41	16	7													
74		.6	1.6	1.1	.2	.5												33		33	23	20													
73	.1	1.7	3.6	1.8	.7	.5	.7		.1									77		77	31	15													
72	.2	3.4	2.9	2.5	1.2	.2	.2	.2										61		61	75	47													
71	.1	2.2	3.1	2.5	1.1	.4	.5	.2										63		63	70	50													
70	.7	3.6	3.8	3.5	1.8	.7	.4	.5										117		117	69	54													
69	.7	2.9	2.3	1.7	1.3	.7	.6	.1										66		66	99	64													
68	.1	1.4	2.3	1.3	1.7	1.1	.2											59		59	82	66													
67	.7	1.3	2.2	2.4	1.3	.6	.2											60		60	82	61													
66	.7	1.7	2.7	1.9	1.0	.4												62		62	57	64													
65		.5	.5	.7	1.1	.2												24		24	74	51													
64		.2	.5	.4	.1													11		11	61	47													
63		.2	.5	.4	.1													8		8	43	48													
62		.2	.5	.4	.1													6		6	27	43													
61			.1															1		1	14	37													
60																					5	17													
59																						11	11												
58																						4	4												
57																						6	6												
56																						7	7												
TOTAL		1.2	21.4	25.3	25.1	13.5	5.9	2.9	1.1	.1								835		837	676	936													

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature				Total		
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4869284	63304	75.9	13.955	835							77
Dry Bulb	368884	55712	66.1	6.343	835			47.2	14.2	.7		67
Wet Bulb	3188935	51273	61.4	6.971	835			24.2	4.7			63
Dew Point	2865862	48348	57.9	8.925	835			18.5	3.6			63

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





CLIMATE CLIMATOLOGY BRANCH  
METAC  
METEOROLOGICAL SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: TYNACALL AFB FL STATION NAME: 73-61 YEARS: NOV MONTH: 0100-0500 HOURS: 207

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																									
/ 71		1.1	.7	.6																													18	16	1							
/ 72		.4	2.2	.3	.2																													24	24	2	9					
/ 73			2.5	.6	.1																													34	34	7	11					
/ 74		.7	2.1	2.7	.6																														50	50	23	18				
/ 75		.1	2.2	1.7	.1																														24	24	7	11				
/ 76		.1	2.6	1.6		.1	.2																												53	53	7	15				
/ 77		.6	3.7	1.9	.7	.2	.1	.1																											61	61	41	33				
/ 78		.5	2.8	1.9	1.1	1.1	.6																												64	64	29	25				
/ 79		1.6	2.0	1.6	.7	1.4																													57	57	4	11				
/ 80		.3	3.0	1.9	1.2	.6	.6																												70	70	4	16				
/ 81		.1	1.7	3.1	1.1	1.1	.2	.1																											59	59	44	31				
/ 82		.6	2.6	1.4	1.1	1.1	.1	.1																											55	55	16	17				
/ 83		.4	1.6	1.6	.7	1.1	.1																												46	46	1	16				
/ 84			.4	1.4	1.0	.4	.1																												26	26	14	17				
/ 85			1.5	.7	3.2	.6																													37	37	7	19				
/ 86			.5	1.2	1.6	.4																													30	30	27	21				
/ 87			.7	1.6	1.0																														27	27	7	16				
/ 88			1.2	1.4	.6																														24	24	47	22				
/ 89			.1	.2	.1																														4	4	35	21				
/ 90			.1	.4	.4																														4	4	19	10				
/ 91			.4																																3	3	5	11				
/ 92				.4																															7	3	3	16				
/ 93																																					2	2	16	16		
/ 94																																						2	2	16	16	
/ 95																																						4	4	5	1	
/ 96																																							1	1	1	1
/ 97																																							1	1	1	1
/ 98																																							1	1	1	1
/ 99																																							1	1	1	1
/ 100																																							1	1	1	1
TOTAL		.77	23.4	16.2	7.8	3.2	.4																													310	310	810	910			

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

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	535245	6459	70.914691	917	817	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	2554611	45759	56.59273	917	817			14.7	2.7			90
Wet Bulb	2386548	43182	53.317218	917	817			9.6	.1			90
Dew Point	2157022	40564	50.112461	810	810		8.8	7.7				90





GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

4275 (INSTALL AREA FL)  
 STATION STATION NAME

73-81

YEARS

NOV  
 MONTH

PAGE 0 0900-1100  
 HOURS U.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb De-Point		
																																			81.0	81.0

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

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	355527	11943	63.6	18.805	810							
Dry Bulb	355716	53194	65.7	9.10	810			47.4	24.0	1.0		72
Wet Bulb	244189	47311	58.4	9.99	810		4	24.1	4.0			31
Dew Point	234344	4295	52.0	13.878	810	9.4	16.9	1.2				27

NATIONAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

140700 TYNDALE AFB FL 73-81 42V  
STATION YEARS MONTH

PAGE 1 1200-1400  
HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point												
37															.1																					1	1												
38															.2																					4	4												
39							.1	.5	.5	.7					.2			.2	.2																	72	22												
40				.1	1.1	2.3	2.1	1.4	.2						.1	.2	.4																			65	25												
41		.1	.6	4.3	2.1	1.7	.7								.7	.7	.5	.2																		97	37												
42		.1	1.2	1.4	2.1	2.7	1.1	.5	1.7	.9	.7	.2																								91	31	8											
43		.1	.9	2.5	1.5	1.5	1.9	.6	.4	.5	.5																									63	27	75	5										
44		1.5	2.5	1.6	.6	.7	.7	.6	.5	.9	.4																									74	74	76	25										
45		.5	1.6	1.7	1.7	.6	1.2	1.7	1.4	.6	.6																									77	77	59	31										
46		.4	1.0	.5	.2	1.2	1.1	2.3	.5	.4																										61	61	76	25										
47		.5	.5	.5	.6	.7	.6	.5	.5	.2																										41	41	56	32										
48		.5	.1	.4	.6	.6	.5	1.5	.9																											41	41	52	34										
49		.5	.1	.4	.6	.6	.5	1.1	.5																											26	26	45	47										
50		.2	.4	.4	.4	.7	1.7	1.7	.6	.1																										45	45	41	41										
51		.2	.1	.2	.4	.4	.7	.5	.5																											71	71	57	27										
52		.2	.1	.2	.2	.2	.5	.5	.5																											16	16	44	28										
53		.4	.1	.4	.2	.5	.5	.4	.2																											23	23	57	28										
54		.4	.1	.4	.4	.4	.5																													14	14	33	29										
55			.4																																	3	3	42	31										
47				.4			.1																													4	4	26	36										
45					.1																															1	1	32	24										
47					.1	.2																														3	3	72	31										
41			.1																																	1	1	15	42										
47		.1	.1		.1																															3	3	3	26										
37																																					5	5	12										
35																																						2	2	34									
33																																							1	1	19								
31																																								1	1	21							
29																																									2	2	28						
27																																										1	1	11					
25																																											1	1	7				
23																																												1	1	12			
21																																													1	1	5		
19																																														1	1	6	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

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









CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14775 IVADALL AFB FL 73-81 YEARS

NOV  
 MONTH  
 PAGE 1 1800-2000  
 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
75			.4															7	7																
72		1.5	1.5	.4														27	27	1															
71	.1	2.0	2.2	.6	.4													51	51	37	19														
69	.4	2.7	2.3	2.7	.6	.4	.2											72	72	39	21														
67	.7	3.5	3.3	2.7	.6	.1	.1											84	84	51	41														
65	.4	4.3	4.3	2.6	.9	.2	.1	.2										126	126	67	57														
67	.1	3.1	2.5	1.7	.5	1.1												67	67	72	48														
61	.1	1.6	1.4	1.5	1.5	1.7	.3											64	64	55	42														
59		1.7	1.6	2.7	.9	.5	.7											55	55	55	59														
57		1.5	3.3	1.7	1.5	.7	.9											73	73	71	59														
55	.2	.9	1.6	1.1	1.4	.9												49	49	61	34														
53		.1	1.1	1.1	1.6	1.2	.2	.1										45	45	59	34														
51			.6	1.5	.9	1.4												75	55	46	45														
47		.5	.1	1.4	1.2	.1												27	27	44	29														
47			.1	1.0	.5	.1												14	14	47	33														
45			.7	.4	.6	.1												15	15	78	17														
43			.5	.2	.2													3	3	75	20														
41			.2	.1	.2													2	5	33	34														
37			.1	.1	.1													3	3	8	29														
37			.1	.1														2	2	11	25														
35																				3	32														
33																					6	27													
31																						20													
27																						5													
25																						6													
23																						2													
21																						4													
TOTAL		2.323	.627	.127	.713	.670	3.304											810	917	810	910														

Element (X)	Σ X²	Σ X	X̄	S <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	4-17367	59734	73.716	1.97	817							
Dry Bulb	318776	49804	61.576	7.576	810			26.3	3.3			90
Wet Bulb	2683305	46739	56.89	9.248	810			17.9	.1			90
Dew Point	2353995	42557	52.512	3.81	810		5.7	17.1				90

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

FEDERAL CLIMATOLOGY BRANCH  
 WPC/STAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: MACAF STATION NAME: MACAF AFB FL YEARS: 72-81 MONTH: NOV  
 PAGE: 1 HOURS: 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
87			.7	.7														14	14	1															
86			1.0	.9														23	43	16	4														
85			1.7	2.1	.9													43	43	76	23														
84			2.7	2.7	.5	.5	.1	.1										56	59	73	27														
83			3.7	2.1	1.0	.7	.1	.1	.2									76	76	44	55														
82			4.2	2.1	1.2	.7	.2	.2										87	87	50	40														
81			4.1	1.9	.6	.2												60	62	74	46														
80			3.0	1.5	1.1	.7	.6	.1										55	55	82	34														
79			2.4	1.5	1.1	.7	.6	.4	.1									53	67	41	37														
78			1.4	2.2	1.7	1.2	.6	.4	.1									62	62	44	50														
77			1.5	3.3	.6	.9	1.1											67	50	43	47														
76			.1	2.0	1.1	.9	.9	.2										39	39	62	45														
75			.1	1.0	.6	1.5	.2											45	48	76	54														
74			.1	1.5	1.7	.5												73	73	45	30														
73			.2	1.2	1.6	.4												71	31	30	32														
72			.6	1.4	1.5	.4												19	19	79	35														
71			.4	1.2	.4	.4												2	8	44	11														
70			.1	.6	.6	.1												7	7	79	16														
69			.1	.4	.5													6	6	6	16														
68			.2	.2	.2													1	1	11	37														
67			.1	.1																	19														
66																					18														
65																					5														
64																					6														
63																					6														
62																					9														
61																					9														
60																					8														
59																					2														
58																					2														
57																					18														
56																					5														
55																					5														
54																					6														
53																					9														
52																					9														
51																					9														
50																					9														
TOTAL			.131	.130	.416	.517	.0	4.5	.2	.6								808		678	919														

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

Element (X)	Z <sub>g</sub>	Z <sub>x</sub>	X	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	4074899	52125	76.9	15.674	808			17.6	1.6			90
Wet Bulb	2515653	44435	55.	9.446	808			17.0	.1			90
Dew Point	226011	41407	51.2	12.100	808		7.7	7.7				90

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/AMC

## PSYCHROMETRIC SUMMARY

STATION TNDALL AFB FL

73-81

YEARS

NOV  
MONTH

PAGE 1

ALL  
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
/ 81																		1	1																		
/ 79																		5	5																		
/ 77						.1	.1	.1										1	1																		
/ 75					.2	.3	.3	.4	.4	.5	.5	.5	.5	.6	.6			2	2																		
/ 73				.2	.5	.7	.8	.9	.9	.9	.9	.9	.9	1.0	1.0			2	2																		
/ 71			.2	.5	.8	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 69		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 67		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 65		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 63		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 61		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 59		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 57		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 55		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 53		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 51		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 49		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 47		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 45		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 43		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 41		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 39		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 37		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 35		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 33		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 31		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 29		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 27		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 25		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 23		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 21		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
/ 19		.2	.5	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1			2	2																		
Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 80-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

USAF CLIMATOLOGY BRANCH  
 WPC-140  
 WPC-140

# PSYCHROMETRIC SUMMARY

STATION: INDCALL AFB FL  
 STATION NAME: INDCALL AFB FL

72-87  
 YEARS: 1972-1987

NOV  
 MONTH  
 ALL  
 HOURS U.S.T.

PAGE 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																			
72	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
74	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
76	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
78	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
80	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
82	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
84	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
86	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
88	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
90	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
92	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
94	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
96	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
98	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477
100	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	6477	6477	6477	6477

Element (X)	Σ	Σ	I	%	No Obs	Mean No. of Hours with Temperature					Total	
Rel. Hum.	35393245	460047	71.4	18.932	6477	0.0	32.0	67.0	73.0	80.0	93.0	722
Dry Bulb	35323941	4777.9	67.3	9.775	6477	0.0	34.5	69.4	7.6			722
Wet Bulb	31227309	355133	56.4	6.968	6477	0.0	13.4	11.3				722
Dew Point	18230971	353361	51.5	5.476	6477	0.0	67.6	38.8	2.1			722

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

CLIMATE CLIMATOLOGY BRANCH  
ATMOSPHERIC SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: TUSCUMPHAWA AFB FL STATION NAME: 73-21 YEARS: DEC MONTH: 1954  
PAGE: 1 OF 1 HOURS: 5.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point			
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USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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	+ 92 F	
Dry Bulb												
Wet Bulb												
Dew Point												



FEDERAL BUREAU OF SURVEY  
 U.S. DEPARTMENT OF COMMERCE  
 METEOROLOGICAL SERVICE, WASH.

### PSYCHROMETRIC SUMMARY

STATION: WINDY HILL AFB, AL  
 STATION NAME: WINDY HILL AFB, AL

YEAR: 1957

YEARS

MONTH: 07

PERIOD: 0700-2200  
 HOURS: 1500

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
Tot	0	0	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	77																			77
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature										Total																				
Rel. Hum.	423414	42294	71.16	7.17	37	< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F																										
Dry Bulb	223257	42245	5.70	0.68	37		1	4	5	7																											
Wet Bulb	122575	30454	47.11	0.67	37		6	7	7																												
Dew Point	165465	75766	43.71	0.71	37		24	7	1	3																											

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



GENERAL CLIMATOLOGY BRANCH  
AF TAC  
WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: FTALL AFB FL STATION NAME: FT-31

YEARS: \_\_\_\_\_

DEC  
MONTH  
RANGE: 0300-0500  
HOURS: 0.5

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
TOTAL	7	36	133	219	6	1	0																													877	877	877

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

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	544337	27724	76.11	2.05	837							837
Dry Bulb	214537	4163	49.71	1.82	837		2	6	9			43
Wet Bulb	1505515	28835	46.41	1.35	837		1	2				43
Dew Point	152653	28302	42.21	0.994	837		26	7	1			63

FEDERAL CLIMATOLOGY BRANCH  
 WPCAC  
 METEOROLOGICAL SERVICE/AMAC

# PSYCHROMETRIC SUMMARY

1979 LYNDALL AFB FL STATION NAME

7-1-81

YEARS

REC MONTH

PAGE 1 0000-1-81  
 HOURS 57

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
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Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR LEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7275 TINDALL AFB FL 73-21 DFC  
STATION STATION NAME YEARS MONTH  
PAGE 2 7600-09 17  
HOURS 1115.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																	
72.75	4	35	533	720	4	7	9	1.4	0.2																										837	837	837	837

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	592254	63956	76.4	15.308	837							
Dry Bulb	2143375	41519	49.6	11.339	837	3.7	5.3	1.7				93
Wet Bulb	1603799	38707	46.3	11.281	837		11.7	2.2				93
Dew Point	1655708	35298	42.2	14.139	837		27.2	1.7				93

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



GENERAL CLIMATOLOGY BRANCH  
 AFM/TAC  
 METEOROLOGICAL SERVICE / MAC

**PSYCHROMETRIC SUMMARY**

STATION: TAYLOR AFB FL STATION NAME

73-81

YEARS

DEC MONTH

PAGE 1 1990-11-10  
 HOURS 1.5.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point			
1																																							1
2																																							5
3																																							6
TOTAL	1	5	17	31	47	72	95	117	135	148	156	162	165	165	161	154	144	131	116	100	84	68	52	37	22	8	3	1						837	837	837			
																																				837	837		

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	272944	4204	64.919	347	837							97
Dry Bulb	2771728	47484	56.7	9.653	837		3	16.1	4.7			97
Wet Bulb	225540	42511	57.81	745	837	3	7.6	.7				97
Dew Point	189974	36974	44.114	896	837	24.1	3.9	.1				97

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

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/AMC

# PSYCHROMETRIC SUMMARY

STATION 17 TYNALL AFB FL STATION NAME 71-51 YEARS DEC MONTH  
 PAGE 1220-1400 HOURS 5, 7

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
77																																			1	1			
76																																			12	12			
75																																			7	7			
74																																			14	14	2		
73																																			46	46	7		
72																																			32	32	9		
71																																			72	72	14		
70																																			52	52	25		
69																																			65	65	45		
68																																			78	78	77		
67																																			65	65	63		
66																																			82	82	34		
65																																			57	57	40		
64																																			42	42	42		
63																																			59	59	52		
62																																			25	25	53		
61																																			79	79	45		
60																																			19	19	48		
59																																			22	22	55		
58																																			19	19	54		
57																																			19	19	51		
56																																			5	5	43		
55																																			2	2	37		
54																																			1	1	37		
53																																			1	1	17		
52																																			3	3	31		
51																																			1	1	28		
50																																			2	2	38		
49																																			1	1	32		
48																																					11	11	26
47																																					11	11	21
46																																					25	25	10
45																																					6	6	
Element (X)	Σ X <sup>2</sup>	Σ X	X	X <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																											
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																												
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							



FEDERAL BUREAU OF SURVEY  
 AIR FORCE WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1173 TYNDALE AFB FL 73-81  
 STATION STATION NAME YEARS

DEC  
 MONTH

PAGE 1 12/10-14/7  
 HOURS 5.7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point			
71.0	0.7	0.4	1.3	0.4	1.0	0.5	1.9	0.7	1.9	0.4	1.3	0.3	0.6	0.9	0.4	0.5	1.0	0.8	0.2	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	
Rel. Hum.	21207.1	46029	57.6	20.2	837							93
Dry Bulb	31947.5	51172	61.1	8.6	837			27.6	8.7	0.6		93
Wet Bulb	24435.87	44479	53.1	9.7	837		23.3	9.6	0.8			93
Dew Point	18526.37	37341	44.6	14.9	837			3.4	0.2			93

USAFETAC FORM 34-34 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH  
 WPC/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: TUCUMCURI AFB, FL STATION NAME: 72-81 YEARS: DEC MONTH: 1970-17-00

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
7 / 77				.1	.2														.4	.4														
7 / 75				.1	.1	.1													.5	.9														
7 / 73				.1	.2														.7	1.1														
7 / 71				.1	.2														.7	1.2														
7 / 69				.1	.2														.7	1.2														
7 / 67				.1	.2														.7	1.2														
7 / 65				.1	.2														.7	1.2														
7 / 63				.1	.2														.7	1.2														
7 / 61				.1	.2														.7	1.2														
7 / 59				.1	.2														.7	1.2														
7 / 57				.1	.2														.7	1.2														
7 / 55				.1	.2														.7	1.2														
7 / 53				.1	.2														.7	1.2														
7 / 51				.1	.2														.7	1.2														
7 / 49				.1	.2														.7	1.2														
7 / 47				.1	.2														.7	1.2														
7 / 45				.1	.2														.7	1.2														
7 / 43				.1	.2														.7	1.2														
7 / 41				.1	.2														.7	1.2														
7 / 39				.1	.2														.7	1.2														
7 / 37				.1	.2														.7	1.2														
7 / 35				.1	.2														.7	1.2														
7 / 33				.1	.2														.7	1.2														
7 / 31				.1	.2														.7	1.2														
7 / 29				.1	.2														.7	1.2														
7 / 27				.1	.2														.7	1.2														
7 / 25				.1	.2														.7	1.2														
7 / 23				.1	.2														.7	1.2														
7 / 21				.1	.2														.7	1.2														
7 / 19				.1	.2														.7	1.2														
7 / 17				.1	.2														.7	1.2														
7 / 15				.1	.2														.7	1.2														
7 / 13				.1	.2														.7	1.2														
7 / 11				.1	.2														.7	1.2														

USAFETAC FORM 34-53 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF INVESTIGATION  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20535  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: SYRACUSE AIR FL STATION NAME: 73-81 YEARS: DEC MONTH: 1570-1700 HOURS: 0500

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point												
50																																	
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Element (X)	$\Sigma X'$	$\Sigma X$	$\Sigma X^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
					0 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	357654	61250	20120407	837							67
Dry Bulb	2081844	46813	56279939	837			10.8	2.6			67
Wet Bulb	2367376	4305	5280453	837			6.1	.1			67
Dew Point	1561186	7773	44614453	837	21.4	2.4					67

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



FEDERAL METEOROLOGICAL BUREAU  
CIVIL ENGINEERING  
ATLANTA WEATHER SERVICE / MAC

# PSYCHROMETRIC SUMMARY

STATION: KATALLA DE-FL  
STATION NAME: KATALLA DE-FL

77-81

YEARS

PER MONTH

PERIOD: 1-20-50 TO 2-28-50  
HOURS: 157

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point		
77	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	874	874	
78																																				
79																																				
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100																																				
Element (X)	Σ X <sup>2</sup>	Σ X	Σ Y	Σ X	No. Obs.	Mean No. of Hours with Temperature				Total																										
Rel. Hum.	45797	6769	7.017	7.88	834	60 F	62 F	67 F	73 F	80 F	93 F																									
Dry Bulb	248176	4592	54.1	8.357	834			5.7	1.7																											
Wet Bulb	213674	4132	49.7	9.77	834			7.7																												
Dew Point	148573	3721	44.5	13.348	834			19.7																												

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





1501 ALBUQUERQUE BRANCH  
STATION  
AT STATE SERVICE AFB

# PSYCHROMETRIC SUMMARY

STATION: 1501 ALBUQUERQUE BRANCH STATION NAME: STATE SERVICE AFB YEARS: 73-84  
MONTHS: ALL HOURS: 24

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL											
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point							
73																																								2			
74																																								2			
75																																								2			
76																																								2			
77																																								2			
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TOTAL																																								669	569.2	569.2	

Element (X)	Σ x'	Σ x	x	s <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	
Ref. Num.	27,447.2	4,716	6,819	8.6	669						
Dry Bulb	2,322,64	3,217.4	54,110	14	669			56.1	28.4	9	7.44
Wet Bulb	1,687,671	3,245.9	40,210	6.3	669		4.7	34.1	1.6		7.44
Dew Point	14,533.7	2,153.5	47,514	19.8	669	187.8		19.6	7		7.44

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





NATIONAL CLIMATOLOGY BRANCH  
 WASH DC  
 AIR FORCE SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: ANNAPOLIS AFB FL STATION NAME: ANNAPOLIS AFB FL YEARS: 72-81 ALL MONTHS: ALL  
 PAGE: 1 HOURS: ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P.						
72																																				45	98	474	942			
73																																			45	45	279	948				
74																																			15	15	150	705				
75																																			11	11	73	311				
76																																			5	5	22	404				
77																																			1	1	9	513				
78																																			7	7	5	747				
79																																			7	7	6	283				
80																																										
81																																										
TOTAL																																							78855	78855	78855	78855

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	14251244	5765934	72.116452		78855							
Dry Bulb	71983443	5385681	58.317436		78874						14.4	276
Wet Bulb	723685631	4948917	62.317486		78855							276
Dew Point	225115727	4629552	58.715241		78855							276

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

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FEDERAL CLIMATOLOGY BRANCH  
WAFB  
METEOROLOGICAL SERVICE/MAC

**MEANS AND STANDARD DEVIATIONS**

TEMPERATURES DEGREE F FROM HOURLY OBSERVATIONS

STATION		STATION NAME												YEARS	
73-75		TALL AFB FL												73-81	
PRECIP		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	
- 0	MEAN	47.0	47.9	53.7	63.2	69.9	76.1	78.9	78.0	75.4	66.4	57.8	57.7	64.7	
	S.D.	11.094	9.697	7.964	5.988	4.791	3.928	3.676	2.857	4.696	6.794	8.755	9.695	12.017	
	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	837	836	
-	MEAN	41.2	49.6	57.5	61.9	68.6	74.9	77.7	77.0	74.2	62.6	50.5	49.7	63.7	
	S.D.	11.014	10.97	8.564	6.482	5.031	4.232	3.637	2.814	4.257	7.276	9.073	10.102	13.010	
	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	837	836	
-	MEAN	47.8	49.8	53.7	63.0	70.2	78.5	80.6	79.7	76.7	64.8	57.2	49.6	65.7	
	S.D.	11.301	10.377	8.546	6.471	5.59	4.511	3.997	3.574	5.344	7.538	9.069	10.309	14.177	
	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	837	836	
- 1	MEAN	53.6	58.6	65.4	72.2	78.4	84.2	85.3	85.8	82.9	73.3	63.7	56.7	71.7	
	S.D.	11.482	10.203	7.847	5.672	4.427	3.831	4.455	3.652	5.521	7.202	9.107	9.693	13.094	
	TOTAL OBS	837	762	837	810	836	810	837	837	810	837	810	837	836	
1 - 1.6	MEAN	51.7	57.2	63.7	74.2	79.6	85.5	86.1	86.9	85.0	77.1	67.6	61.1	74.3	
	S.D.	11.484	9.794	7.355	4.946	4.344	3.596	4.592	4.202	5.175	6.164	8.093	8.004	12.072	
	TOTAL OBS	837	762	837	810	838	810	837	837	810	837	810	837	836	
-	MEAN	58.7	59.5	66.8	72.5	78.0	83.9	84.9	85.5	83.4	75.1	67.0	60.0	72.8	
	S.D.	10.553	9.166	6.18	4.291	4.094	3.452	4.151	3.852	4.705	5.775	7.508	7.979	11.919	
	TOTAL OBS	837	762	837	810	837	809	837	837	810	836	810	837	836	
-2	MEAN	52.7	55.4	62.8	69.2	74.2	80.3	82.0	82.0	79.1	69.1	61.5	54.1	68.5	
	S.D.	9.88	8.172	6.263	4.373	3.773	3.154	3.460	3.106	4.520	5.777	7.576	8.357	12.295	
	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	834	836	
1-2?	MEAN	50.5	52.9	60.5	66.3	71.8	77.9	80.4	79.5	76.7	66.1	58.9	52.0	66.1	
	S.D.	10.47	8.815	7.177	5.151	4.139	3.563	3.457	2.927	4.665	6.343	8.373	9.093	12.579	
	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	808	834	836	
ALL HOURS	MEAN	52.1	54.4	62.3	67.8	74.1	80.2	82.0	81.8	79.1	69.0	61.8	54.1	68.3	
	S.D.	11.415	10.155	8.420	6.994	5.930	5.313	4.911	4.938	6.287	8.418	9.775	10.146	13.436	
	TOTAL OBS	6696	6196	6696	6430	6694	6479	6696	6696	6480	6695	6477	669	79874	

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CENTRAL CLIMATOLOGY BRANCH  
ETAC  
AIR WEATHER SERVICE/MAC

**MEANS AND STANDARD DEVIATIONS**

LEFT-HOLE TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION	STATION NAME	YEARS												ANNUAL	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
70	TRINIDAD AFB FL	MEAN	45.7	47.6	55.5	59.7	66.6	72.0	74.7	73.9	71.3	66.4	54.1	47.1	61.5
		S D	12.177	11.819	8.672	6.965	5.601	4.395	2.965	2.563	4.039	7.419	9.599	11.674	13.21
		TOTAL OBS	837	762	837	810	837	878	837	837	810	834	809	837	865
71	TRINIDAD AFB FL	MEAN	45.5	46.6	54.5	59.8	65.8	71.5	74.2	73.3	71.0	69.0	60.3	46.4	61.1
		S D	12.564	11.153	9.370	7.441	5.630	4.616	2.882	2.665	4.931	7.876	11.175	11.175	13.305
		TOTAL OBS	837	762	837	810	837	878	837	837	809	837	810	837	858
75	TRINIDAD AFB FL	MEAN	45.1	46.6	55.3	61.7	66.0	73.3	75.7	75.0	72.0	60.3	53.8	46.3	61.1
		S D	12.601	11.371	9.435	7.479	5.651	4.376	2.739	2.869	5.211	7.877	10.409	11.231	13.898
		TOTAL OBS	837	762	837	810	837	811	837	837	807	836	810	837	857
81	TRINIDAD AFB FL	MEAN	45.2	51.5	53.7	63.7	70.3	75.1	77.1	77.1	74.9	64.5	54.4	50.0	64.0
		S D	12.346	11.750	8.668	6.949	5.383	3.613	2.702	2.247	4.779	7.237	9.995	10.740	12.957
		TOTAL OBS	837	762	837	811	836	811	837	837	811	837	810	837	854
118	TRINIDAD AFB FL	MEAN	51.1	52.7	60.3	64.8	71.0	75.8	77.6	77.4	75.7	66.0	57.0	53.1	65.5
		S D	11.544	11.139	8.113	6.331	4.711	3.517	2.761	2.371	4.363	6.639	9.321	9.795	12.077
		TOTAL OBS	837	762	836	811	836	810	837	837	809	837	810	837	858
117	TRINIDAD AFB FL	MEAN	51.1	52.8	60.1	64.8	70.5	75.3	77.1	76.8	75.1	65.3	54.3	52.3	65.1
		S D	11.102	10.692	7.930	6.897	4.489	3.454	2.682	2.267	4.191	6.487	8.962	9.453	11.752
		TOTAL OBS	837	762	837	810	837	809	837	837	810	836	810	837	859
20	TRINIDAD AFB FL	MEAN	45.8	51.9	58.4	62.8	68.9	73.9	76.0	75.5	73.5	63.1	56.8	49.7	63.3
		S D	11.337	10.826	7.651	6.095	4.622	3.671	2.673	2.298	4.515	6.587	9.048	9.707	12.197
		TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	834	858
23	TRINIDAD AFB FL	MEAN	47.1	49.2	57.0	61.1	67.8	73.1	75.4	74.6	72.5	61.4	55.0	48.1	61.4
		S D	11.791	10.154	8.188	6.657	5.009	4.006	2.837	2.366	4.829	6.971	9.446	10.190	12.667
		TOTAL OBS	836	762	837	810	837	811	837	836	808	835	808	834	857
ALL HOURS	TRINIDAD AFB FL	MEAN	45.0	49.6	57.5	62.0	68.6	73.8	76.0	75.5	73.3	62.5	55.4	49.2	62.8
		S D	12.171	11.872	8.778	7.073	5.442	4.218	3.000	2.844	4.989	7.543	9.968	10.690	12.384
		TOTAL OBS	6695	6796	6695	6487	6694	6475	6696	6625	6473	6689	6477	6690	7285

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**MEANS AND STANDARD DEVIATIONS**

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION: FYNDALE AFB FL

73-81

HRS. PER DAY	STATION NAME												ANNUAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
-	MEAN	40.2	43.5	52.6	57.0	64.6	70.2	72.8	71.9	70.1	57.4	47.7	58.7
-	S.D.	15.57	13.71	11.133	9.741	7.04	5.442	3.896	3.324	5.578	9.712	12.461	13.994
-	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	837
-	MEAN	41.3	42.6	51.7	56.2	64.0	69.7	72.6	71.6	69.4	56.7	47.1	57.4
-	S.D.	15.67	13.975	11.458	9.372	7.140	5.609	3.161	3.311	5.652	9.472	12.461	13.994
-	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	837
-	MEAN	41.2	42.5	52.1	57.3	65.4	71.8	73.6	72.9	71.0	57.3	48.4	58.7
-	S.D.	15.67	14.258	11.317	9.870	7.296	5.333	2.949	3.336	5.936	9.447	12.716	14.139
-	TOTAL OBS	837	762	837	810	837	810	837	837	810	836	810	837
-11	MEAN	42.0	43.5	52.4	57.4	65.7	71.9	73.6	73.5	71.2	59.4	50.0	44.1
-11	S.D.	16.44	15.166	12.685	10.799	7.698	5.222	3.111	3.70	5.910	9.222	13.781	14.896
-11	TOTAL OBS	837	762	837	810	836	810	837	837	810	837	810	837
1-14	MEAN	43.0	44.5	53.8	58.2	66.3	71.4	74.1	73.4	71.4	58.6	52.2	44.6
1-14	S.D.	16.5	14.891	12.343	10.317	7.312	5.387	3.185	3.149	5.851	10.124	14.337	14.946
1-14	TOTAL OBS	837	762	836	810	836	810	837	837	810	837	810	837
-17	MEAN	44.0	45.6	54.5	59.0	66.3	71.4	73.9	73.1	71.2	58.6	52.7	44.9
-17	S.D.	15.15	14.386	11.423	9.365	6.952	5.107	3.114	3.198	5.663	10.132	13.255	14.453
-17	TOTAL OBS	837	762	837	810	837	810	837	837	810	836	810	837
-	MEAN	43.0	45.7	54.6	58.8	65.8	71.9	73.4	72.7	71.8	58.8	52.5	44.6
-	S.D.	15.30	13.615	10.567	8.978	6.545	5.16	3.276	3.170	5.549	9.994	12.811	13.348
-	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	834
-23	MEAN	42.0	44.8	53.9	57.9	65.5	71.8	73.2	72.4	70.3	57.9	51.2	43.5
-23	S.D.	15.367	13.282	11.561	9.125	6.571	5.192	3.288	3.183	5.727	8.925	12.100	13.430
-23	TOTAL OBS	830	762	837	810	837	810	837	836	808	835	810	834
ALL HOURS	MEAN	42.0	44.1	53.2	57.7	65.5	70.8	73.4	72.7	70.6	58.0	51.5	43.6
ALL HOURS	S.D.	15.417	14.214	11.559	9.644	7.111	5.336	3.198	3.281	5.774	9.543	12.874	14.158
ALL HOURS	TOTAL OBS	6695	6096	6695	6480	6694	6475	6696	6695	6473	6689	6477	6500

# RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%		
<b>TOTALS</b>											

# RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS		100.0	90.0	70.0	50.0	30.0	15.0	5.0	2.0	1.0	0.5	1000

# RELATIVE HUMIDITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ PERIOD \_\_\_\_\_ MONTH \_\_\_\_\_

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	-	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-11	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	-12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	11	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		



30 DECATUR STATION  
 110  
 1070 STAVELAND RD

# RELATIVE HUMIDITY

STATION: STAVELAND AIRFIELD PERIOD: FALL 1964  
STATION NAME PERIOD MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00	100	100	100	70	50	30	10	2	1	50	1
SEP	01	100	100	100	70	50	30	10	2	1	50	1
SEP	02	100	100	100	70	50	30	10	2	1	50	1
SEP	03	100	100	100	70	50	30	10	2	1	50	1
SEP	04	100	100	100	70	50	30	10	2	1	50	1
SEP	05	100	100	100	70	50	30	10	2	1	50	1
SEP	06	100	100	100	70	50	30	10	2	1	50	1
SEP	07	100	100	100	70	50	30	10	2	1	50	1
SEP	08	100	100	100	70	50	30	10	2	1	50	1
SEP	09	100	100	100	70	50	30	10	2	1	50	1
SEP	10	100	100	100	70	50	30	10	2	1	50	1
SEP	11	100	100	100	70	50	30	10	2	1	50	1
SEP	12	100	100	100	70	50	30	10	2	1	50	1
SEP	13	100	100	100	70	50	30	10	2	1	50	1
SEP	14	100	100	100	70	50	30	10	2	1	50	1
SEP	15	100	100	100	70	50	30	10	2	1	50	1
SEP	16	100	100	100	70	50	30	10	2	1	50	1
SEP	17	100	100	100	70	50	30	10	2	1	50	1
SEP	18	100	100	100	70	50	30	10	2	1	50	1
SEP	19	100	100	100	70	50	30	10	2	1	50	1
SEP	20	100	100	100	70	50	30	10	2	1	50	1
SEP	21	100	100	100	70	50	30	10	2	1	50	1
SEP	22	100	100	100	70	50	30	10	2	1	50	1
SEP	23	100	100	100	70	50	30	10	2	1	50	1
SEP	24	100	100	100	70	50	30	10	2	1	50	1
SEP	25	100	100	100	70	50	30	10	2	1	50	1
SEP	26	100	100	100	70	50	30	10	2	1	50	1
SEP	27	100	100	100	70	50	30	10	2	1	50	1
SEP	28	100	100	100	70	50	30	10	2	1	50	1
SEP	29	100	100	100	70	50	30	10	2	1	50	1
SEP	30	100	100	100	70	50	30	10	2	1	50	1
SEP	31	100	100	100	70	50	30	10	2	1	50	1
TOTALS		100	100	99	74.4	60	43.9	27.4	14	7	50	31

RELATIVE HUMIDITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ PERIOD \_\_\_\_\_ MONTH \_\_\_\_\_

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

Table with columns: MONTH, HOURS (LST), 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, MEAN RELATIVE HUMIDITY, TOTAL NO OF OBS.

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 12/22/98 BY 60322/UC/LP/STP

## RELATIVE HUMIDITY

IN FULL FIELD

1967

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ PERIOD \_\_\_\_\_ MONTH \_\_\_\_\_

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS			
		10%	20%	30%	40%	50%	60%	70%	80%	90%					
1	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12	0-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

# RELATIVE HUMIDITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ PERIOD \_\_\_\_\_ MONTH \_\_\_\_\_

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
<b>TOTALS</b>												

# RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
TOTALS												

**RELATIVE HUMIDITY**

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ PERIOD \_\_\_\_\_ MONTH \_\_\_\_\_

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
<b>TOTALS</b>												

## RELATIVE HUMIDITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ PERIOD \_\_\_\_\_ MONTH \_\_\_\_\_

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
<b>TOTALS</b>												

## RELATIVE HUMIDITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ PERIOD \_\_\_\_\_ MONTH \_\_\_\_\_

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
<b>TOTALS</b>												



WINDHOLEY BRIDGE  
 1951-1952

RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
1	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	11	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	13	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	14	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	15	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	16	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	17	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	18	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	19	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	21	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	22	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	24	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	25	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	26	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	27	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	28	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	29	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	30	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1	31	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	31



U S AIR FORCE  
 ENVIRONMENTAL TECHNICAL  
 APPLICATIONS CENTER

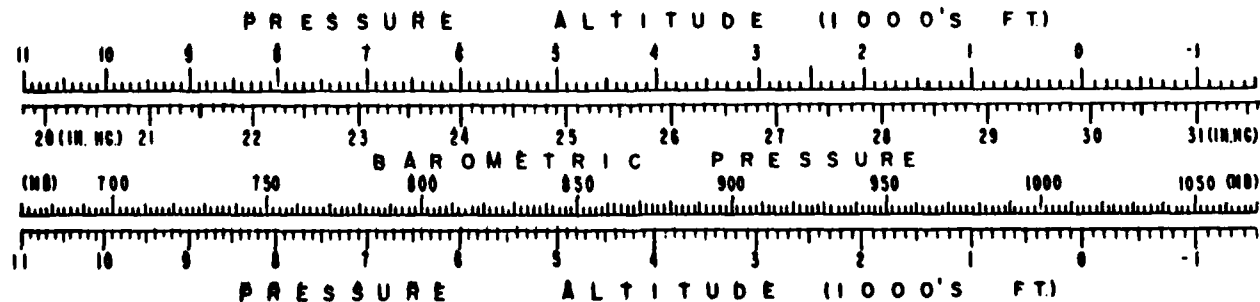
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
 Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
 METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



F

2  
 FEDERAL CLIMATOLOGY BRANCH  
 AF ETAC  
 AIR WEATHER SERVICE/MAC

### MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

70-51 TANDALL AFB FL

70-51

STATION	STATION NAME	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
70-51	TANDALL AFB FL	70-51	MEAN	.0723	.07429	.09129	.09829	.08229	.09529	.07229	.07929	.03530	.0563	.05730	.07	31.000	
			S D	.173	.167	.157	.143	.176	.087	.070	.068	.084	.110	.122	.132	.132	.173
			TOTAL OBS	27	254	279	279	279	279	279	279	279	279	279	279	279	279
70-51	TANDALL AFB FL	70-51	MEAN	.07730	.05929	.07029	.07729	.09329	.09329	.095129	.09529	.091629	.0943	.0467	.075	29.997	
			S D	.173	.164	.157	.146	.108	.073	.070	.066	.089	.111	.126	.144	.141	.141
			TOTAL OBS	27	254	279	279	279	279	279	279	279	279	279	279	279	279
70-51	TANDALL AFB FL	70-51	MEAN	.08230	.09130	.08230	.1629	.02729	.07129	.098329	.09829	.0443	.0233	.0647	.08	31.011	
			S D	.173	.167	.160	.151	.111	.080	.071	.070	.095	.118	.133	.146	.141	.141
			TOTAL OBS	27	254	279	279	279	279	279	279	279	279	279	279	279	279
70-51	TANDALL AFB FL	70-51	MEAN	.117	.1233	.0393	.04429	.04929	.0917	.00830	.01529	.07370	.05530	.10470	.17	30.047	
			S D	.173	.166	.160	.154	.111	.173	.071	.070	.089	.114	.133	.169	.144	.144
			TOTAL OBS	27	254	279	279	279	279	279	279	279	279	279	279	279	279
70-51	TANDALL AFB FL	70-51	MEAN	.09830	.09530	.01730	.02429	.07329	.07679	.09629	.09829	.04870	.01830	.05630	.082	31.019	
			S D	.173	.162	.154	.149	.179	.078	.072	.070	.095	.112	.127	.159	.141	.141
			TOTAL OBS	27	254	279	279	279	279	279	279	279	279	279	279	279	279
70-51	TANDALL AFB FL	70-51	MEAN	.0730	.04129	.07129	.07929	.09429	.09329	.09529	.09529	.0429	.0717	.01830	.047	29.977	
			S D	.176	.158	.152	.147	.107	.078	.070	.069	.083	.100	.122	.156	.134	.134
			TOTAL OBS	27	254	279	279	279	279	279	279	279	279	279	279	279	279
70-51	TANDALL AFB FL	70-51	MEAN	.07630	.05329	.07229	.07829	.08929	.09329	.09529	.09529	.09129	.09893	.04130	.069	29.994	
			S D	.173	.159	.155	.145	.105	.078	.070	.067	.084	.111	.125	.157	.138	.138
			TOTAL OBS	27	254	279	279	279	279	279	279	279	279	279	279	279	279
70-51	TANDALL AFB FL	70-51	MEAN	.10730	.07970	.00030	.00629	.02229	.06429	.098329	.09929	.04930	.02130	.06630	.091	30.014	
			S D	.191	.158	.154	.145	.174	.077	.071	.066	.085	.110	.127	.156	.137	.137
			TOTAL OBS	27	254	279	279	279	279	279	279	279	279	279	279	279	279
ALL HOURS	TANDALL AFB FL	70-51	MEAN	.0913	.07529	.09530	.00329	.01429	.09529	.07529	.09829	.09530	.00930	.05730	.083	31.006	
			S D	.182	.163	.158	.149	.179	.081	.073	.072	.090	.114	.128	.163	.141	.141
			TOTAL OBS	232	2032	2232	2160	2232	2160	2232	2232	2160	2232	2160	2232	2232	2232

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 FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/PAC

**MEANS AND STANDARD DEVIATIONS**

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

STATION TENDALL AFB FL

73-91

STATION	STATION NAME												YEARS
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	1020.21	1020.21	1017.31	1017.31	1014.51	1016.11	1016.71	1016.91	1016.41	1017.81	1019.51	1020.21	1017.7
S D	5.394	5.465	5.335	4.865	3.577	2.69	2.37	2.314	2.419	3.717	4.69	5.514	4.685
TOTAL OBS	279	254	279	279	279	279	279	279	279	279	279	279	3287
MEAN	1020.31	1020.61	1018.61	1018.91	1014.01	1015.51	1016.01	1016.21	1014.41	1017.41	1019.11	1020.21	1017.7
S D	5.221	5.565	5.361	4.972	3.652	2.634	2.351	2.313	3.316	3.779	4.279	5.544	4.784
TOTAL OBS	279	254	279	279	279	279	279	279	279	279	279	279	3287
MEAN	1020.10	1020.41	1018.71	1018.21	1019.11	1016.61	1017.11	1017.21	1015.71	1018.41	1019.91	1020.21	1017.7
S D	5.223	5.666	5.406	5.111	3.796	2.698	2.409	2.359	3.244	3.895	4.423	5.619	4.784
TOTAL OBS	279	254	279	279	279	279	279	279	279	279	279	279	3286
MEAN	1020.31	1021.81	1018.91	1019.11	1015.91	1017.31	1017.91	1018.11	1016.71	1019.51	1021.11	1022.21	1019.7
S D	5.241	5.649	5.406	5.215	3.764	2.657	2.413	2.371	3.59	3.865	4.576	5.751	4.899
TOTAL OBS	279	254	279	279	279	279	279	279	279	279	279	279	3286
MEAN	1020.11	1020.91	1018.71	1019.41	1015.31	1016.81	1017.51	1017.51	1015.91	1019.01	1020.51	1020.41	1017.7
S D	6.044	5.492	5.228	5.54	3.673	2.645	2.401	2.351	2.891	3.817	4.333	5.516	4.651
TOTAL OBS	279	254	279	279	279	279	279	279	279	279	279	279	3286
MEAN	1020.51	1020.31	1018.71	1018.91	1014.01	1015.51	1016.11	1016.11	1014.41	1016.61	1018.21	1019.21	1016.5
S D	5.04	5.375	5.168	4.968	3.639	2.655	2.373	2.343	2.513	3.698	4.147	5.294	4.564
TOTAL OBS	279	254	278	279	279	279	279	279	279	279	279	279	3286
MEAN	1020.11	1019.41	1018.71	1018.91	1013.91	1015.41	1016.01	1016.11	1014.61	1017.21	1019.01	1020.21	1017.1
S D	6.057	5.394	5.268	4.915	3.579	2.649	2.37	2.28	2.643	3.721	4.228	5.394	4.607
TOTAL OBS	279	254	279	279	279	279	279	279	279	279	279	279	3285
MEAN	1021.10	1020.31	1017.61	1017.81	1014.91	1016.41	1017.01	1017.31	1015.91	1019.31	1019.91	1020.21	1018.1
S D	6.176	5.363	5.225	4.822	3.525	2.611	2.377	2.241	2.897	3.727	4.302	5.313	4.657
TOTAL OBS	279	254	279	279	279	279	279	279	279	279	279	279	3286
ALL HOURS	1020.71	1020.21	1017.51	1017.71	1014.71	1016.21	1016.81	1016.91	1015.41	1017.91	1019.61	1020.51	1017.6
S D	5.171	5.549	5.352	5.048	3.711	2.733	2.474	2.424	3.050	3.856	4.364	5.573	4.771
TOTAL OBS	2231	2232	2231	2163	2232	2163	2232	2232	2163	2232	2232	2229	26289

END

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