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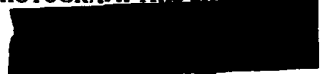
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DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

PEASE AFB NH/PORTSMOUTH WBAN# 04743
N 43 05 W 070 49 ELEV 111 FT KPSM WMO#

PARTS A-F

POR FROM HOURLY OBS: APR 56-DEC 70
POR FROM DAILY OBS: APR 56-DEC 70

MAY 25 1972

FEDERAL BUILDING
ASHEVILLE, N. C.

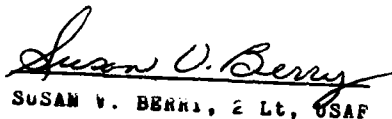
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1. REPORT NUMBER USAFETAC/DS-80/019	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Pease AFB, Portsmouth, New Hampshire	5. TYPE OF REPORT & PERIOD COVERED Final rept.	
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18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperature Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative humidity *Climatological data (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Pease AFB, Portsmouth, New Hampshire. 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))		

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

* New Hampshire

* Pease AFB, New Hampshire

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

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DATA PROCESSING DIVISION
USAFETAC OL-1
AIR WEATHER SERVICE (MAC)

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. ON SUMMARY 04743	STATION NAME PEASE AFB N H/PORTSMOUTH	LATITUDE N 43 05	LONGITUDE W 070 49	STATION ELEV (FT) 111	CALL SIGN KPSM	WMO NUMBER
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL Hgt		OBS PER DAY
			FROM	TO			STATION (FT)	BAROMETER	
1	Pease AFB, Portsmouth N H	AFB	Apr 56	Feb 57	N 43 05	W 070 46	104	N/A	24
2	No change	AFB	Mar 57	22 Feb 60	No chge	W 070 49	111	88 ft.	24
3	No change	AFB	23 Feb 60	Dec 70	No chge	No chge	No chge	127 ft.	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 56 to 24 Apr 56	Located 50 ft. S of the weather station.	AN/GMQ-11	ML204B	15 ft.	
2	25 Apr 56 to Feb 57	Located on the ground	AN/GMQ-1	N/A	N/A	
3	Mar 57 to Feb 58	Located 750 ft. W of centerline of Rwy 16/34.	AN/GMQ-11	RO-2	13 ft.	
4	Mar 58 to Feb 59	Located 500 ft. off center at N end of Rwy 16.	No chge	No chge	No chge	

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
5	Mar 59 to 22 Feb 60	Located 3350 ft. WNW of weather station.	No chge	No chge	No chge	
6	23 Feb 60 to Feb 62	Located 1000 ft. from touchdown pt on W side of Rwy 16.	AM/GMQ-1	RO-2	15 ft.	
7	Mar 62 to Feb 63	Located 500 ft W of Rwy 16/34 centerline, 3700 ft. S of N end of Rwy.	No chge	No chge	13 ft.	
8	Mar 63 to 27 Mar 69	1. Located 1500 ft. S of N end of Rwy 16, 500 ft E of centerline of the Rwy.	No chge	No chge	No chge	
		2. Located 750 ft. N of S end of Rwy 34, 500 ft E of centerline of the Rwy.	No chge		No chge	
9	28 Mar 69 to Sep 70	1. No change	No chge	RO-362	No chge	
		2. No change	No chge		No chge	
10	Oct 70 to Dec 70	1. No change	AM/GMQ-20	No chge	No chge	
		2. No change	No chge		No chge	

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

A

C PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

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

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

PART A

ATMOSPHERIC PHENOMENA

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

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

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

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

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

04743 PEASE AFB N H/PORTSMOUTH 56-70 ALL
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	5.0	1.3	10.7		16.2	13.8	5.5	1.1		18.5	10416
FEB			4.8	.8	12.1		16.6	13.5	3.9	1.8		17.9	9480
MAR			7.5	.4	9.2	.0	16.0	16.4	4.3	1.0		19.8	10414
APR		.1	13.1	.1	2.3	.0	14.6	15.4	3.7			18.0	10608
MAY		.4	12.4		.1		12.4	14.8	4.2			17.7	11160
JUN		.8	9.9				9.9	17.5	10.6			25.1	10800
JUL		1.1	7.1				7.1	17.8	16.6			30.0	11157
AUG		.7	7.5				7.5	16.3	15.7			28.9	11160
SEP		.2	10.2				10.2	18.6	10.4			29.3	10800
OCT		.1	10.4		.3		10.7	18.7	7.8			23.1	11159
NOV		.1	15.1	.2	2.0		16.7	20.4	5.5	.1		24.1	10799
DEC			6.5	1.2	12.0		18.8	16.3	4.9	.8		20.6	11160
TOTALS		.3	9.1	.3	4.1	.0	13.1	16.6	7.8	.4		22.4	129113

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WEATHER CONDITIONS

04743 PEASE AFB N H/PORTSMOUTH 57-70 JAN
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.1	4.6	1.5	12.4		17.5	15.1	5.1	1.2		19.7	1302
	03-05		4.1	2.1	11.2		16.4	15.6	5.4	.9		20.2	1302
	06-08		4.8	1.8	8.9		15.1	17.1	6.8	.9		22.4	1302
	09-11		5.0	1.2	9.8		15.4	14.5	7.3	.9		19.9	1302
	12-14		5.4	.4	10.4		15.6	11.0	4.7	1.2		15.5	1302
	15-17		5.3	.5	10.2		15.7	11.0	4.3	1.0		15.1	1302
	18-20		5.9	1.4	10.9		17.2	12.2	5.4	1.2		17.4	1302
	21-23		4.5	1.1	11.8		16.6	13.5	5.1	1.2		17.9	1302
TOTALS		.0	5.0	1.3	10.7		16.2	13.8	5.5	1.1		18.5	10416

2
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 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

04743 PEASE AFB N H/PORTSMOUTH 57-70 FEB
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		4.3	.8	11.9		16.2	13.9	3.5	1.7		17.0	1185
	03-05		4.1	.5	12.9		16.9	14.0	2.4	1.4		16.5	1185
	06-08		3.6	.8	13.7		17.4	15.9	6.2	1.4		21.5	1185
	09-11		4.6	.5	13.3		17.2	14.6	5.3	2.1		20.7	1185
	12-14		5.2	.5	11.6		16.4	12.3	3.6	1.5		17.1	1185
	15-17		5.7	.7	11.0		15.7	11.6	3.6	2.1		16.4	1185
	18-20		5.4	1.1	11.4		16.4	11.9	3.9	2.6		17.3	1185
	21-23		5.6	1.3	11.0		16.5	14.1	2.7	1.9		17.0	1185
TOTALS			4.8	.8	12.1		16.6	13.5	3.9	1.8		17.9	9480

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 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

04743
 STATION

PEASE AFB N H/PORTSMOUTH
 STATION NAME

56-70
 YEARS

APR
 MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.1	13.3	.2	2.3		15.2	19.9	3.4			22.0	1326
	03-05		13.7	.1	2.8		15.3	20.7	4.1			23.4	1326
	06-08	.1	11.5		2.7		13.5	18.8	4.4			22.0	1326
	09-11	.2	12.2		2.5	.1	13.8	12.7	2.5			14.6	1326
	12-14	.2	12.4		2.5	.1	14.0	10.0	2.9			12.1	1326
	15-17		12.4		1.4		13.4	9.8	3.0			12.1	1326
	18-20	.2	14.2	.1	1.7		15.0	13.1	4.4			16.3	1326
	21-23	.3	15.1	.1	2.2		16.6	18.3	4.8			21.5	1326
TOTALS		.1	13.1	.1	2.3	.0	14.6	15.4	3.7			18.0	10608

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WEATHER CONDITIONS

04743
 STATION

PEASE AFB N H/PORTSMOUTH
 STATION NAME

56-70
 YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.4	13.1				13.1	19.3	4.1			21.9	1393
	03-05	.1	12.7				12.7	22.7	4.4			23.4	1395
	06-08		12.4		.1		12.4	16.0	4.9			20.5	1393
	09-11		10.6		.1		10.6	11.5	3.0			13.4	1393
	12-14	.3	11.5				11.5	9.1	3.4			11.7	1393
	15-17	.9	12.0				12.0	8.8	4.5			12.8	1393
	18-20	.7	13.1		.1		13.1	12.5	5.0			16.1	1393
	21-23	.6	13.7		.1		13.7	16.6	4.3			19.4	1393
TOTALS		.4	12.4		.1		12.4	14.8	4.2			17.7	11160

DATA PROCESSING DIVISION
 USAF ETAC
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WEATHER CONDITIONS

04743
 STATION

PEASE AFB N H/PORTSMOUTH
 STATION NAME

56-70
 YEARS

JUN
 MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.2	9.4				9.4	23.9	12.1			31.6	1350
	03-05	.4	9.6				9.6	30.4	12.4			36.6	1350
	06-08	.2	9.6				9.6	22.5	11.9			29.9	1350
	09-11	.3	8.9				8.9	12.0	10.4			20.4	1350
	12-14	.5	11.6				11.6	9.0	9.1			17.0	1350
	15-17	2.4	11.3				11.3	10.4	7.8			17.3	1350
	18-20	1.7	9.9				9.9	13.8	9.2			21.1	1350
	21-23	.6	9.2				9.2	16.3	11.9			27.2	1350
TOTALS		.8	9.9				9.9	17.3	10.6			25.1	10800

DATA PROCESSING DIVISION
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WEATHER CONDITIONS

04743 PEASE AFB N H/PORTSMOUTH 56-70 JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.3	6.2				6.2	25.4	16.6			35.2	1395
	03-05	.1	7.9				7.9	32.6	15.1			40.1	1395
	06-08	.3	8.4				8.4	27.5	15.8			36.8	1395
	09-11	.1	7.9				7.9	12.5	15.9			26.2	1395
	12-14	1.0	5.7				5.7	7.0	12.8			18.8	1394
	15-17	2.7	7.9				7.9	5.7	16.1			20.8	1394
	18-20	2.7	7.4				7.4	12.3	19.4			28.0	1394
	21-23	1.2	7.9				7.9	19.1	21.4			34.1	1395
TOTALS		1.1	7.1				7.1	17.8	16.6			30.0	11157

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 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

04743
 STATION

PEASE AFB N H/PORTSMOUTH
 STATION NAME

56-70
 YEARS

AUG
 MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.4	6.6				6.6	22.6	15.1			32.9	1395
	03-05	.6	8.4				8.4	29.3	15.3			37.8	1395
	06-08	.1	8.7				8.7	27.0	18.9			38.9	1395
	09-11	.1	5.4				5.4	10.1	16.3			24.2	1395
	12-14	.6	6.8				6.8	5.9	13.0			18.1	1395
	15-17	1.4	7.1				7.1	6.7	11.9			17.5	1395
	18-20	1.9	8.5				8.5	11.7	16.3			29.8	1395
	21-23	.6	8.1				8.1	17.3	18.6			31.5	1395
TOTALS		.7	7.5				7.5	16.3	15.7			28.3	11160

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

04743
 STATION

PEASE AFB N H/PURTSMOUTH
 STATION NAME

56-70
 YEARS

SEP
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.1	11.6				11.6	27.7	11.9			33.7	1350
	03-05	.1	12.1				12.1	30.1	9.9			34.7	1350
	06-08		9.8				9.8	26.2	12.5			32.4	1350
	09-11		9.7				9.7	13.9	9.8			21.4	1350
	12-14	.2	8.8				8.8	9.5	7.6			16.0	1350
	15-17	.4	9.7				9.7	9.1	8.4			16.1	1350
	18-20	.4	9.9				9.9	13.3	10.9			21.6	1350
	21-23	.5	10.0				10.0	19.0	11.8			26.8	1350
TOTALS		.2	10.8				10.2	18.6	10.4			25.3	10800

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 DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

04743 PEASE AFB N H/PORTSMOUTH 56-70 NOV
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		16.3	.3	2.7		18.6	24.2	4.1	.1		26.3	1350
	03-05		15.5	.4	2.7		17.6	23.7	3.7			25.7	1350
	06-08	.1	14.6	.2	1.6		16.2	24.6	3.7	.1		26.8	1350
	09-11	.1	14.4	.1	1.7		15.9	20.3	6.9	.2		25.0	1350
	12-14	.1	13.7		1.7		15.2	15.0	6.4			20.1	1349
	15-17		14.7		1.4		15.4	15.8	7.5			21.1	1350
	18-20		14.4	.1	1.6		15.4	18.4	5.9	.1		22.2	1350
	21-23	.1	17.0	.3	2.5		19.3	21.4	6.0			29.3	1350
TOTALS		.1	15.1	.2	2.0		16.7	20.4	5.5	.1		24.1	10799

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

DEC
MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		6.2	1.2	13.8		20.6	17.6	4.4	.9		21.6	1395
	03-05		5.9	.8	15.0		20.9	15.9	3.5	1.1		19.6	1395
	06-08		6.5	1.6	12.6		19.4	17.7	4.8	.9		22.1	1395
	09-11		6.1	1.1	10.6		17.3	17.2	5.4	1.1		21.7	1395
	12-14		6.5	1.2	10.8		17.6	14.6	4.9	.7		18.9	1395
	15-17		7.0	1.2	10.0		17.5	14.7	5.2	.5		19.3	1395
	18-20		6.9	1.1	10.8		18.1	16.0	5.1	.6		20.2	1395
	21-23		6.6	1.2	12.2		19.1	16.9	5.6	.5		21.2	1395
TOTALS			67.5	1.2	127.0		18.8	16.3	4.9	.8		20.6	11160

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DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

XXWEATHER CONDITIONSX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 ATMOSPHERIC PHENOMENA

24
 12

04743
 STATION

PEASE AFB N H/PORTSMOUTH
 STATION NAME

56-70

YEARS

ALL
 MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.2	21.9	7.9	43.0		50.8	38.0	25.2	5.1		48.3	433
FEB			22.0	6.1	43.0		52.4	36.2	23.3	7.8		45.1	395
MAR		.2	30.0	3.7	33.9	.2	49.8	41.2	22.4	3.2		46.8	434
APR		2.9	30.2	.7	13.1	.5	52.7	43.9	20.4			48.4	442
MAY		7.3	31.2		1.5	.2	51.2	44.3	23.0			49.0	465
JUN		13.0	30.7			.4	50.7	50.4	39.8			59.6	450
JUL		17.0	45.0			.2	45.0	52.7	50.1			62.2	465
AUG		12.2	44.7			.6	44.7	51.0	49.5			64.1	465
SEP		4.7	42.7				42.7	50.7	36.7			57.1	450
OCT		1.9	39.1		1.5		39.0	48.0	30.1			51.0	465
NOV		1.5	30.9	1.0	10.4		56.7	51.8	25.0	.9		55.0	450
DEC			27.7	8.0	41.7		54.4	41.2	20.2	3.2		48.4	465
TOTALS		5.0	39.0	2.3	10.2	.2	49.3	45.9	30.5	1.7		53.0	5374

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

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

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

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,
~~but was removed from the summary thereafter.~~

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/RAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

04743

PEASE AFB N H/PORTSMOUTH

56-70

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	48.9	16.4	2.5	9.7	4.0	6.0	4.2	5.0	3.2	.2				34.7	403	3.66	12.26	.80	
FEB	46.8	18.2	3.0	6.6	3.5	7.6	5.3	4.6	3.6	.3				34.9	395	3.85	6.27	1.04	
MAR	50.0	14.3	3.2	6.5	6.0	7.4	6.0	4.1	4.5					35.7	434	3.34	5.75	1.73	
APR	46.9	15.7	3.6	6.2	6.9	8.3	6.7	3.1	2.6					37.4	420	3.22	7.72	1.06	
MAY	47.7	15.3	2.6	9.2	4.7	7.1	6.9	4.7	1.7					37.0	465	3.22	6.64	1.01	
JUN	48.4	18.7	2.9	7.6	4.7	6.4	4.7	4.9	1.8					32.9	450	2.82	6.24	.89	
JUL	52.7	16.2	3.7	5.2	3.0	7.1	5.6	3.9	2.6					31.0	465	3.12	5.05	.60	
AUG	55.2	15.3	2.6	5.2	4.7	7.3	5.4	2.8	1.3					29.2	465	2.26	3.47	1.34	
SEP	55.6	15.1	2.4	6.9	2.9	4.9	5.3	3.1	2.7	.9				29.1	450	3.70	8.10	1.11	
OCT	59.1	14.2	1.7	4.9	2.6	6.7	3.4	6.1	2.6	.4	.2			26.7	465	3.65	12.10	.97	
NOV	43.6	15.3	3.1	6.9	4.9	6.7	8.2	6.9	3.6	.7				41.2	450	5.09	12.35	2.80	
DEC	45.4	17.2	3.2	7.5	6.2	6.2	3.4	7.3	3.4	.2				27.4	465	4.42	10.05	1.44	
ANNUAL	50.0	16.0	2.9	6.9	4.2	6.8	5.6	4.5	2.7	.2	.0			33.9	9327	42.36			

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME

56-70 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56					1.93	1.90	.78	.54	.68	2.73	1.92	1.03	
57	.75	.43	.52	1.06	1.26	1.35	.64	.37	.37	1.29	1.04	.75	1.29
58	2.86	1.40	1.27	1.32	.62	1.14	1.11	.84	1.30	1.37	1.51	.56	2.86
59	1.28	1.06	1.28	.82	.61	.99	2.36	1.66	1.08	1.03	.89	1.61	2.36
60	1.39	2.23	.97	.82	2.06	.90	1.90	.61	4.03	1.39	1.87	1.28	4.03
61	1.57	1.34	.91	1.84	.87	1.35	2.37	.52	3.55	.77	1.19	.97	3.55
62	.70	1.28	1.27	1.07	.96	1.09	.72	1.47	1.32	6.73	1.42	2.21	6.73
63	1.25	.90	1.42	.50	1.60	.71	1.38	.52	1.94	.91	4.08	.69	4.08
64	1.31	1.82	2.17	.82	.22	.48	.91	1.40	.85	1.11	1.63	.76	2.17
65	1.02	4.11	.65	.71	.35	1.44	.54	.65	.77	1.20	1.24	.70	4.11
66		1.85	.66	.34	.75	.60	1.01	1.09	2.66	.90	1.15	1.34	
67	.88	1.10	1.32	1.16	1.13	1.64	1.16	.83	1.70	.43	.91	1.34	1.70
68	1.24	.62	2.43	1.32	1.14	1.22	.29	.88	1.10	1.49	2.63	2.03	2.63
69	1.20	1.84	1.59	.84	.23	.60	1.10	1.06	2.97	.90	1.65	3.03	3.03
70	.26	1.23	.96	2.33	1.59	.89	.36	1.31	1.33	3.09	.67	1.46	3.09
MEAN	1.21	1.36	1.35	1.07	1.02	.99	1.12	.90	1.75	1.69	1.59	1.33	2.21
S. D.	.607	.697	.697	.821	.884	.950	.839	.411	1.162	1.292	.940	.683	1.279
TOTAL OBS.	459	398	484	420	483	436	463	488	456	463	436	485	5127

2 DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOWFALL
 (FROM DAILY OBSERVATIONS)

04743

PEASE AFB NH/PURTSMOUTH

56-70

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-30	31-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	58.1	18.9	9.2	5.7	2.5	1.2	1.0	1.0	2.0	.2	.2			23.1	403	14.9	33.9	.2
FEB	56.7	16.2	11.1	5.0	3.5	1.8	1.3	.6	1.5	1.5				27.1	395	16.9	43.9	.6
MAR	66.6	13.1	6.2	5.3	1.6	3.2	1.2	1.2	.9	.5				20.1	434	13.4	25.0	.6
APR	88.2	7.4	2.7	1.0	.5	.5								4.4	390	1.2	6.0	.0
MAY	98.5	1.5													465	TRACE	TRACE	.0
JUN	100.0														450	.0	.0	.0
JUL	100.0														465	.0	.0	.0
AUG	100.0														465	.0	.0	.0
SEP	100.0														450	.0	.0	.0
OCT	98.5	.6	.2	.4	.2									.9	465	.2	2.0	.0
NOV	84.2	12.2	1.3	.7	.4	.4	.4	.2						1.6	450	1.7	7.9	.0
DEC	58.2	18.2	6.7	7.1	2.6	2.2	.6	1.5	1.3	.6	.4			23.4	465	17.4	38.4	2.1
ANNUAL	64.1	7.4	8.1	2.1	1.0	.6	.4	.4	.2	.2	.0			8.6	3297	63.8	×	×

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56					.0	.0	.0	.0	.0	.0	2.7	10.3	
57	7.5	.2	2.7	2.8	.0	.0	.0	.0	.0	.0	TRACE	.8	7.3
58	8.9	10.5	9.7	1.3	.0	.0	.0	.0	.0	.0	TRACE	4.6	10.3
59	4.1	4.1	11.3	TRACE	.0	.0	.0	.0	.0	.0	3.8	12.6	12.6
60	11.3	3.1	9.1	TRACE	.0	.0	.0	.0	.0	.0	.0	13.3	13.3
61	17.3	13.9	8.4	3.2	.0	.0	.0	.0	.0	.1	3.5	16.8	17.3
62	3.1	13.2	3.2	1.1	.0	.0	.0	.0	.0	2.0	.6	6.6	13.2
63	8.2	7.0	4.1	TRACE	TRACE	.0	.0	.0	.0	TRACE	3.7	3.1	8.2
64	9.0	7.3	7.1	.2	.0	.0	.0	.0	.0	.0	TRACE	6.2	9.0
65	8.0	3.0	3.0	.3	.0	.0	.0	.0	.0	TRACE	.4	1.0	8.0
66		12.0	3.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	3.3	
67	.4	14.1	13.1		TRACE	.0	.0	.0	.0	.0	3.8	9.3	
68	7.0	3.2	4.8	.0	.0	.0	.0	.0	.0	.0	.2	.6	7.0
69	.3	2.0	.3	TRACE	.0	.0	.0	.0	.0	1.1	TRACE	12.9	12.9
70	1.8	8.6	4.2	1.8	.0	.0	.0	.0	.0	TRACE	.0	10.8	10.8
MEAN	6.78	7.46	6.21	2.8	TRACE	.00	.00	.00	.00	.21	1.33	6.09	12.11
S. D.	4.83	4.88	3.76	1.13	.00	.00	.00	.00	.00	.00	1.06	3.03	3.12
TOTAL OBS.	40	39	40	39	40	40	40	40	40	40	40	40	400

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

04743

PEASE AFB N H/PURTSMOUTH

56-70

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	11.7	4.2	15.1	13.9	11.7	16.1	17.6	8.4	1.2					84.1	403				
FEB	14.7	5.6	10.6	12.9	6.8	20.8	15.2	11.4	1.5	.5				79.7	395				
MAR	33.9	15.7	8.3	5.8	6.2	14.1	10.8	2.8	2.3	.2				30.5	434				
APR	96.0	1.4	1.2	.7	.2	.5								2.6	420				
MAY	100.0														465				
JUN	100.0														450				
JUL	100.0														465				
AUG	100.0														465				
SEP	100.0														450				
OCT	99.6		.2	.2										.4	465				
NOV	94.7	2.0	1.3	.4	.5	.4	.2							3.1	450				
DEC	63.6	7.7	8.0	6.9	6.0	14.2	7.7	3.7	.2					46.7	465				
ANNUAL	74.7	3.0	3.7	3.4	2.6	3.8	4.2	2.2	.4	.1				22.2	3327				

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56					0	0	0	0	0	0	3	11	
57	21	3	3	3	0	0	0	0	0	0	0	1	21
58	12	19	11	1	0	0	0	0	0	0	TRACE	7	19
59	4	8	13	0	0	0	0	0	0	0	4	12	13
60	14	10	12	0	0	0	0	0	0	0	0	16	16
61	19	21	11	4	0	0	0	0	0	0	7	26	26
62	9	19	10	1	0	0	0	0	0	0	1	5	19
63	8	14	10	0	0	0	0	0	0	0	4	6	14
64	12	13	8	0	0	0	0	0	0	0	0	7	13
65	8	6	3	0	0	0	0	0	0	0	0	3	8
66		30	4	0	0	0	0	0	0	0	0	4	4
67	3	18	20	3	0	0	0	0	0	0	3	13	20
68	25	3	8	0	0	0	0	0	0	0	3	6	23
69	11	39	28	0	0	0	0	0	0	2	0	9	39
70	4	9	6	1	0	0	0	0	0	0	0	24	24
MEAN	11.2	12.2	11.2	1.1	0.2	0.2	0.2	0.2	0.2	0.2	1.1	5.1	11.7
S. D.	6.7	7.0	6.7	1.0	0.3	0.3	0.3	0.3	0.3	0.3	1.1	1.1	7.0
TOTAL OBS.	221	221	221	221	221	221	221	221	221	221	221	221	221

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

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS
 (FROM DAILY OBSERVATIONS)

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR	MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56										WNW 28WNW 33SSW 36NW 44				
57		WNW 40WNW 32N 36WNW 35NW 41WNW 36W 29NNW 32N 32NNW 31S 35S 42												S 43
58											WNW 35WNW 29			
59		NW 42NW 34ENE 41W 34ENE 28ENE 31NW 27WNW 33NNW 25S 41NW 36NNW 34												WNW 34
60		WNW 37NE 44NE 35WNW 36NW 25WNW 28NE 29N 23SSE 65NW 30W 34NNW 38												SSE 65
61		NW 36W 36NW 32ENE 36NW 32											NW 35	
62		WNW 42NE 35ENE 42NW 49NW 47						NW 28		ENE 46NNW 36E 44				
63									NW 32WSW 34		SSE 46W 34			
64		N 42NW 45WNW 46WNW 38							SSW 32NNW 30SE 42NNW 48					
65		WNW 37NW 40W 40W 28WNW 30NNW 37W 44W 49S 29							WSW 45NNW 42					
66		NE 43NW 37NNW 44NW 32W 32W 40WSW 30NW 27WNW 39NNW 44SE 39W 39												NE 45
67		NE 40WSW 40NNW 30NNE 45NE 45NE 36W 33SW 23NNW 31SW 32W 32NNW 40												W 32
68		WNW 40NNW 42NNW 36NNW 42NNE 34NW 33S2/ 2825/ 3110/ 3729/ 34 6/ 4127/ 45												78/ 46
69		28/ 32 2/ 3711/ 41 9/ 4032/ 3228/ 2821/ 2234/ 2821/ 2830/ 2714/ 39 3/ 27												2/ 57
70		30/ 3231/ 3428/ 3629/ 3834/ 3034/ 2022/ 2832/ 3131/ 2728/ 2827/ 3034/ 42												34/ 42
	MEAN	41.3	41.8	38.4	37.1	34.3	38.1	31.8	31.9	35.0	32.8	38.5	40.7	39.0
	S.D.	8.0	7.1	6.7	6.8	7.0	6.1	6.3	7.3	6.7	5.7	6.1	6.4	6.1
	TOTAL OBS.	302	291	308	331	337	304	300	308	304	332	418	432	4188

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 04743 STATION NAME PEASE AFB N H/PORTSMOUTH YEARS 56-70 ALL MONTHS
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.8	1.6	.7	.1	.0	.0					4.9	7.1
NNE	.5	1.3	1.4	.7	.1	.0	.0	.0				4.0	7.9
NE	.8	1.2	1.3	.8	.1	.0	.0	.0				3.9	8.1
ENE	.4	.7	.8	.5	.1	.0						2.5	8.2
E	.4	1.0	1.1	.4	.1	.0	.0					3.1	7.6
ESE	.3	.9	1.0	.3	.0	.0	.0					2.3	7.1
SE	.5	1.0	1.8	.6	.0	.0	.0					4.5	7.3
SSE	.7	1.6	1.7	.7	.1	.0	.0					4.7	7.2
S	1.0	1.8	1.1	.6	.0	.0	.0					4.3	6.0
SSW	.8	1.6	1.1	.6	.0	.0						3.8	6.4
SW	1.3	2.8	2.2	.7	.1	.0		.0				7.0	6.5
WSW	1.3	3.0	2.1	.7	.1	.0	.0					7.2	6.4
W	2.1	6.8	3.7	2.1	.3	.1	.0					12.9	7.3
WNW	1.2	2.6	2.7	2.5	.6	.1	.0	.0				9.5	9.0
NW	1.1	2.3	2.6	2.2	.8	.1	.0					8.8	8.8
NNW	.7	1.6	1.3	.7	.1	.0	.0					4.5	7.3
VARBL													
CALM												11.8	
	13.7	28.7	27.2	16.6	2.9	.6	.0	.0				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 128618

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 06743 PEASE AFB NH/PORTSMOUTH YEARS 57-70 MONTH JAN
STATION NAME STATION NAME YEARS MONTH
 CLASS ALL WEATHER HOURS (L.S.T.) ALL
CLASS HOURS (L.S.T.)
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.0	2.0	1.3	.3	.1						6.3	8.1
NNE	.3	1.2	1.6	.9	.2	.0	.0					4.2	8.3
NE	.4	.8	.6	.9	.2	.0	.0					2.9	9.1
ENE	.3	.4	.4	.6	.3	.1						2.0	11.1
E	.4	.4	.2	.1	.1	.1						1.3	7.1
ESE	.2	.4	.1	.1								.8	5.6
SE	.2	.3	.2	.2	.0							.9	6.9
SSE	.2	.4	.2	.1	.1							1.1	7.2
S	.6	1.0	.5	.2	.0	.0						2.3	5.9
SSW	.8	1.5	.7	.3	.0							3.3	5.6
SW	1.3	2.7	1.5	.6	.0							6.1	6.0
WSW	1.7	2.9	2.2	.7	.1	.0						7.5	6.2
W	2.4	3.4	4.9	3.2	.3	.1						16.5	7.7
WNW	1.3	3.0	4.2	3.2	1.4	.2		.0				13.4	10.1
NW	1.3	2.4	2.6	2.6	.9	.2	.0					10.0	9.3
NNW	.9	2.2	2.0	1.1	.2	.1						6.4	7.8
VARBL													
CALM												12.7	
	13.2	27.0	23.9	18.0	6.2	1.0	.1	.0				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 9917

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

57-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.1	1.7	1.4	.3	.1	.0					6.4	8.4
NNE	.5	1.0	1.6	2.2	.4	.1	.0	.0				5.7	10.2
NE	.6	.8	1.2	.7	.3	.2	.0					3.7	9.2
ENE	.4	.6	.6	.3	.2	.0						2.1	8.3
E	.3	.7	.8	.4	.1	.1	.0					2.5	8.8
ESE	.3	.5	.5	.2	.0	.0						1.6	7.1
SE	.2	.7	.5	.1	.0							1.7	6.4
SSE	.5	.7	.7	.4	.1	.0						2.4	7.7
S	.7	1.1	.6	.2	.0	.0						2.7	6.1
SSW	.5	.9	.8	.3	.0							2.5	6.6
SW	.9	2.1	1.8	.7	.0	.0						3.5	6.8
WSW	1.0	2.3	2.3	1.3	.1		.0					7.1	7.6
W	1.7	4.1	4.3	4.3	.8	.2	.0					15.7	9.1
WNW	1.1	2.2	3.7	4.9	1.5	.9	.1					13.9	11.0
NW	1.0	2.2	3.0	3.1	.9	.3	.0					10.5	10.0
NNW	.7	1.8	1.3	1.0	.2	.0						5.1	7.8
VARBL													
CALM												11.0	
	11.2	23.9	25.6	21.5	5.1	1.5	.2	.0				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

9480

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PURYSMOUTH STATION NAME 57-70 YEARS MAR MONTH

ALL WEATHER CLASS

ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.4	2.0	1.1	.2							6.6	7.6
NNE	.4	1.6	1.7	1.0	.2	.1						4.7	8.2
NE	.3	1.4	1.6	1.0	.4	.1	.0					4.9	9.3
ENE	.2	.6	1.0	1.0	.3	.1						3.2	10.4
E	.4	1.0	1.5	1.1	.2	.2						4.4	9.7
ESE	.4	.8	1.0	.2	.1	.0						2.6	7.5
SE	.5	1.2	1.2	.5	.1							3.6	7.3
SSE	.4	1.4	.9	.2								3.0	6.6
S	.7	1.2	.7	.2	.0							2.9	6.0
SSW	.5	1.0	.4	.2	.1							2.1	6.0
SW	.8	1.6	1.1	.4	.0							3.9	6.3
WSW	.9	2.0	1.6	.5	.1	.1						3.0	6.9
W	1.7	3.9	2.7	2.1	.8	.2						13.4	8.6
WNW	.8	2.4	2.4	2.9	.9	.2	.0					11.7	10.2
NW	.9	2.4	4.1	4.2	1.1	.2						13.0	10.3
NNW	.7	2.1	1.7	.7	.1							5.3	7.1
VARBL													
CALM												9.8	
	10.2	24.7	27.4	19.7	4.8	1.3	.0					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 10414

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS APR MONTH ALL WEATHER CLASS ALL HOURS (L.S.T.) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.6	1.2	.9	.1	.0						4.3	7.6
NNE	.4	1.1	1.5	.8	.2	.0						4.0	8.4
NE	.5	1.1	1.5	1.2	.2	.0						4.6	8.9
ENE	.5	.9	1.1	.6	.1	.0						3.3	7.9
E	.5	1.2	1.9	.9	.0	.0						4.5	7.8
ESE	.4	1.2	2.0	.8	.0							4.5	7.8
SE	.5	2.3	2.3	1.8	.0							7.7	8.0
SSE	.7	1.7	2.1	1.2	.1							5.9	7.9
S	.9	1.9	1.0	.4	.0							3.8	6.3
SSW	.5	.8	1.0	.5	.0							2.9	7.1
SW	.7	1.4	1.8	.5	.1	.0						4.5	7.3
WSW	.7	2.1	1.5	.6	.1	.0						5.1	7.0
W	1.5	3.2	2.6	2.1	.8	.1	.0					9.9	8.1
WNW	.8	2.0	2.4	2.5	.7	.2	.0					8.6	9.6
NW	.8	2.2	2.0	2.8	.6	.2	.0					9.8	9.8
NNW	.6	1.5	1.5	1.0	.5	.1						4.8	8.2
VARBL													
CALM												11.8	
	10.7	25.8	27.8	18.4	2.7	.8	.0					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 10608

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 04743 PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS MAY MONTH
 CLASS ALL WEATHER HOURS (L.S.T.) ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.0	.4	.0	.0						3.4	6.8
NNE	.5	1.0	1.0	.3	.1	.0						3.0	7.4
NE	.5	1.1	1.6	.8	.2	.0	.0					4.2	8.3
ENE	.4	.8	1.3	.7	.1	.0						3.4	8.1
E	.6	1.4	1.9	.7	.0	.0						4.3	7.4
ESE	.3	1.3	2.0	.9	.1							4.6	8.1
SE	.6	2.1	3.0	1.8	.0	.0						8.2	8.2
SSE	.6	1.3	2.3	1.3	.1							5.9	8.2
S	1.0	2.0	1.4	.3	.1		.0					4.9	6.3
SSW	.6	1.4	1.3	.8	.1	.0						4.3	7.9
SW	1.0	2.8	2.0	1.4	.1	.0						8.4	7.4
WSW	1.0	2.3	2.3	.9	.1	.0						6.7	7.1
W	1.6	3.3	3.2	2.0	.3	.1						10.7	7.7
WNW	.8	1.6	2.1	1.8	.3	.0						6.7	9.1
NW	.7	1.6	2.1	2.1	.6	.1						7.1	9.7
NNW	.5	1.0	1.1	.7	.1	.0						3.3	7.8
VARBL													
CALM												10.6	
	11.3	24.9	31.1	17.2	2.5	.6	.0					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 11160

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 JUN
STATION MONTH
 ALL WEATHER
CLASS
 ALL
MOON (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.9	.2	.0							3.0	5.9
NNE	.4	1.1	.9	.2	.0							2.5	6.1
NE	.5	1.4	1.2	.8	.1	.0						3.9	7.7
ENE	.4	.9	.9	.6	.0							2.7	7.4
E	.6	1.3	1.5	.5	.0							3.9	6.9
ESE	.4	1.3	1.4	.4								3.5	6.9
SE	.7	2.1	2.7	1.0	.0							6.6	7.3
SSE	.9	2.2	2.8	1.4	.1	.0						7.4	7.7
S	1.1	2.2	1.3	.4	.0							5.1	6.0
SSW	1.0	2.2	1.7	.5	.0	.0						5.4	6.4
SW	1.4	4.0	3.5	1.1	.1	.0						10.2	6.9
WSW	1.2	3.0	2.6	.5	.0							8.0	6.2
W	1.9	4.4	3.3	1.4	.2	.0						11.3	6.8
WNW	1.0	1.8	1.6	1.3	.1	.0						5.9	7.6
NW	.8	1.7	1.7	1.3	.1	.1	.0					5.7	8.1
NNW	.5	1.2	.8	.5	.0							3.0	6.9
VARBL													
CALM												12.0	
	12.4	22.7	28.8	11.9	1.0	.2	.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 10800

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 JUL
STATION MONTH
 ALL WEATHER ALL
CLASS HOURLS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 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	1.2	.6	.2								2.7	5.4
NNE	.4	.9	.3	.0								1.7	3.0
NE	.5	1.2	1.0	.1	.0							2.9	5.9
ENE	.4	.8	.6	.1								1.9	3.9
E	.5	1.2	1.4	.2	.0							3.5	6.6
ESE	.4	1.2	1.3	.3								3.2	6.6
SE	.8	2.4	2.7	.7								6.7	6.9
SSE	1.2	2.6	3.0	.8	.1							7.6	6.8
S	1.6	2.5	1.7	.8	.1							6.3	3.9
SSW	1.0	1.8	1.7	.7	.0	.0						3.3	6.6
SW	1.8	3.3	2.9	.8	.0							8.7	6.4
WSW	1.8	4.2	2.4	.8	.0							9.0	5.8
W	2.7	3.7	3.9	1.2	.0	.0						13.7	6.2
WNW	1.1	2.8	1.7	.9	.0							6.3	6.6
NW	1.1	1.7	1.7	1.1	.8	.0						3.9	7.6
NNW	.8	1.1	.9	.6	.0							3.0	6.8
CALM												11.8	
	16.4	35.0	27.9	8.5	.6	.0						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 11160

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 AUG

ALL WEATHER
CLASS

ALL
MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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	1.8	.8	.2	.0	.0						3.5	5.7
NNE	.5	.9	.7	.2								2.3	6.0
NE	.9	1.1	1.5	.3	.0							3.4	7.0
ENE	.3	.7	.6	.3								1.9	6.7
E	.4	.9	.9	.1								2.4	6.2
ESE	.3	.9	.8	.1								2.2	6.3
SE	.6	1.9	2.6	.7	.0							3.4	7.2
SSE	1.1	2.6	2.7	.8	.0							6.9	6.8
S	1.0	2.3	1.7	.8	.0							6.2	5.8
SSW	1.1	1.7	1.1	.3								4.2	5.7
SW	1.0	4.1	2.8	.6	.0	.0						9.2	6.0
WSW	1.8	4.3	2.8	.5								9.2	5.7
W	2.0	3.3	3.3	1.1	.1							12.3	6.1
WNW	1.6	2.3	1.8	1.0	.1							6.8	6.7
NW	1.3	2.6	1.8	.9	.1	.0						6.7	6.7
NNW	.8	1.7	1.2	.8	.1	.0						4.3	6.6
VARBL													
CALM												12.6	
	16.8	32.6	27.0	8.0	.5	.0						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 11140

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

06762 PEASE AFB N H/PORTSMOUTH 56-70 SEP
STATION MONTH
 ALL WEATHER
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	.9	2.3	1.6	.5								5.1	6.1
NNE	.8	1.9	1.5	.3	.0							4.4	6.3
NE	.6	1.6	1.5	.7	.1	.0						4.6	7.2
ENE	.5	.9	1.1	.3	.0	.1						2.9	7.4
E	.5	1.1	1.1	.3	.1	.0						3.1	6.9
ESE	.4	1.1	1.0	.1	.0							2.7	6.4
SE	.7	2.1	1.7	.3	.0		.0					4.8	6.3
SSE	1.0	1.8	1.9	.7	.0		.0					3.3	6.9
S	1.1	2.0	1.6	.6	.0							3.0	6.0
SSW	.9	1.8	1.6	.6	.0							4.2	6.4
SW	1.6	2.9	2.8	.7	.0	.0		.0				7.7	6.3
WSW	1.3	3.2	2.1	.6	.0	.0	.0					7.1	6.1
W	2.1	4.4	3.2	.9	.1	.0						11.0	6.3
WNW	1.6	2.8	1.8	.9	.1							6.8	6.3
NW	1.7	2.8	2.3	1.6	.1							8.1	7.0
NNW	1.0	1.8	1.2	.8	.0							4.3	6.4
VARBL													
CALM												12.8	
	16.8	33.3	27.2	8.9	.7	.2	.0	.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 10800

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04743 PEASE AFB N H/PURTSMOUTH STATION NAME PEASE AFB N H/PURTSMOUTH YEARS 56-70 MONTH NOV
 CLASS ALL WEATHER MONTHS (L.S.T.) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	1.9	.8	.1							6.1	6.9
NNE	.5	1.8	2.6	.7	.1							5.6	7.3
NE	.5	1.3	1.2	.8	.1	.0						3.9	7.7
ENE	.5	.8	.9	.6	.1	.1						2.9	8.3
E	.5	.8	.8	.5	.2	.0						2.8	7.8
ESE	.4	.7	.4	.3	.1	.0	.0					1.9	7.2
SE	.5	.9	.7	.2	.1	.0	.0					2.5	6.7
SSE	.6	1.3	1.1	.3	.1	.0						2.6	7.0
S	1.0	2.0	1.2	.3	.0	.0						4.2	5.9
SSW	.5	1.6	.8	.4	.0							3.7	6.0
SW	1.2	2.3	1.7	.6	.1	.0						5.7	6.2
WSW	1.4	2.6	2.0	.7	.0		.0					6.7	6.4
W	2.1	4.6	3.8	2.0	.2	.0	.0					12.3	7.2
WNW	1.1	2.1	2.3	2.8	.9	.1	.0					10.8	8.5
NW	1.3	2.6	3.1	2.5	.3	.1						10.0	8.5
NNW	.8	1.6	1.3	1.0	.1	.0						4.8	7.6
VARBL													
CALM												11.9	
	16.5	32.3	26.6	14.3	2.1	.4	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 10800

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

57-70
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.0	2.3	1.2	.2							6.3	7.8
NNE	.5	1.5	1.9	.9	.2							5.0	6.0
NE	.6	1.2	.4	1.0	.2	.1	.1					3.6	8.5
ENE	.2	.2	.4	.2	.9	.2						1.9	12.9
E	.1	.2	.1	.2		.1						.8	10.1
ESE	.1	.2										.2	3.7
SE	.2											.2	2.2
SSE	.2	.6	.1	.1	.1							1.1	6.1
S	.2	.7	.2	.2								1.2	6.2
SSW	.7	1.7	.4									2.8	4.6
SW	1.4	3.6	1.2	.2								6.3	5.3
WSW	2.0	3.3	1.7	.6	.2							7.9	5.9
W	2.9	7.3	4.0	4.0	.6	.2						19.0	7.4
WNW	2.3	4.2	2.4	2.7	.8	.2						14.2	8.2
NW	1.8	2.2	2.4	1.9	.8	.2						10.2	8.2
NNW	.6	2.1	2.0	1.0								3.7	7.4
VARBL													
CALM												13.0	
	16.2	32.8	20.7	18.2	3.5	.9	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1239

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

57-70
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	2.2	1.4	.2	.1						6.8	8.2
NNE	.4	1.2	2.5	.4	.3	.1						4.9	8.4
NE	.4	.8	.9	1.1	.2	.1						3.5	9.4
ENE	.2	.2	.5	.6	.3	.1						2.0	11.3
E		.4	.2									.6	5.9
ESE	.1	.3	.1									.5	5.8
SE		.2	.2									.3	6.5
SSE	.2	.9	.1	.1								.9	5.4
S	.3	.9	.3	.2								1.8	6.0
SSW	.6	1.6	.6	.2								3.0	5.5
SW	2.2	2.8	1.0	.3								6.4	4.9
WSW	1.9	3.1	2.0	.4								7.4	5.5
W	2.0	6.6	4.9	3.8	.2							19.1	7.1
WNW	2.2	4.0	4.4	4.8	.8	.1						16.2	8.8
NW	1.6	2.3	1.8	1.5	.6	.2						8.3	8.3
NNW	.9	1.4	2.0	.6	.1							9.0	7.1
VARBL													
CALM												13.3	
	18.5	28.7	22.6	18.5	2.8	.6						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1229

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04743 STATION NAME PEASE AFB N H/PORTSMOUTH YEARS 57-70 MONTH JAN
 CLASS ALL WEATHER HOUR (L.S.T.) 0600-0800
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.2	1.4	.4							7.0	8.3
NNE	2	1.1	1.3	1.2	.3							4.3	8.9
NE	3	.7	.9	.8	.1							3.0	8.4
ENE	.1	.5	.2	.4	.3	.2						1.6	12.5
E	.1	.5	.5	.2	.1							1.3	8.6
ESE	.2	.5	.2	.2								1.1	6.8
SE		.2	.2									.3	7.5
SSE	.2	.2	.4	.1	.2							1.1	9.4
S	.5	.9	.4	.1		.1						1.9	6.1
SSW	.6	1.0	.3	.2								2.1	4.8
SW	1.5	2.5	.6	.5								3.1	5.4
WSW	2.4	3.2	1.8	.3								7.7	3.2
W	4.9	7.3	8.0	2.4	.2	.1						21.1	6.4
WNW	1.3	3.6	4.1	4.6	.7	.1						14.4	9.1
NW	1.9	2.9	1.4	2.4	.8	.1						9.2	8.3
NNW	1.1	2.1	1.6	.6		.1						6.6	6.6
VARBL													
CALM												12.0	
	16.4	30.3	22.2	18.4	3.2	.6						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1234

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04743 PEASE AFB N H/PURTSMOUTH STATION NAME 57-70 YEARS _____
MONTHS JAN
DATE RANGE 0900-1100
HOUSE (L.S.T.) _____
CLASS ALL WEATHER
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.3	2.2	1.5	.3	.1						7.3	8.0
NNE	.2	1.1	2.0	1.1	.2	.1						4.7	9.5
NE	.2	.4	.5	.9	.1							2.1	9.8
ENE	.2	.4	.2	.9	.3							2.1	11.3
E	.5	.4	.2		.2	.1						1.5	8.1
ESE		.2		.1								.3	7.3
SE	.2	.1	.1	.5								.6	9.1
SSE	.1	.2	.1	.1								.4	6.2
S	.4	.5	.4	.2								1.5	6.2
SSW	.5	.9	.7	.6								2.7	7.3
SW	.7	2.1	1.8	.7								3.3	6.8
WSW	1.3	3.1	3.2	.8	.1							8.4	6.7
W	1.8	5.7	5.9	3.4	.3	.1						17.4	8.0
WNW	1.5	2.0	3.7	3.7	2.2	.2						15.4	11.1
NW	1.1	2.7	2.3	2.7	1.3	.2						10.3	9.9
NNW	2.0	3.2	2.1	.6	.2	.2						8.2	6.4
VARBL													
CALM												11.6	
	11.7	25.3	25.4	19.6	5.3	1.0						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1238

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04743 PEASE AFB N H/PORTRSMOUTH YEARS 57-70 MONTH JAN
STATION NAME YEARS MONTH
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	1.9	1.4	.4	.1						6.4	8.5
NNE	.1	.6	1.2	1.6	.2							3.8	10.2
NE	.4	.6	.6	.6								2.2	7.9
ENE	.2	.4	.5	1.3	.2	.2						2.8	11.8
E	.9	.6	.4	.1	.1	.2						2.2	6.7
ESE	.2	.7	.4	.1								1.5	5.5
SE	.1	.6	.2	.3								1.2	8.2
SSE	.1		.1	.2	.1							.4	11.6
S	.2	.6	.2	.1								1.4	9.2
SSW	1.0	1.1	1.3	.6	.1							4.1	7.0
SW	.8	2.7	1.6	1.0	.1							6.2	7.2
WSW	1.0	2.2	2.3	1.0								6.4	6.9
W	1.0	2.9	6.4	4.8	1.0	.2						15.9	10.0
WNW	1.1	1.6	2.9	7.9	2.6	.6		.1				17.6	12.3
NW	1.0	1.0	2.7	3.2	2.0	.3						10.3	11.6
NNW	.9	1.9	2.0	1.4	.2	.1						6.2	8.8
VARBL													
CALM												11.4	
	10.1	18.6	25.8	25.6	6.9	1.7		.1				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 1242

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 57-70 YEARS JAN MONTH 1900-1700 YEARS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.3	1.1	1.2	.4	.2						5.7	8.7
NNE	.4	1.2	1.0	.7	.1	.2	.1					3.6	8.9
NE	.6	.6	.6	1.0	.2	.1						3.0	8.8
ENE	.2	.4	.7	.7	.1	.2						2.3	10.4
E	.9	.6	.2	.2								1.9	4.6
ESE	.4	.7	.2									1.3	4.3
SE	.6	1.2	.4	.4	.1							2.7	6.5
SSE	.4	.7	.7	.2	.2							2.2	7.0
S	1.1	1.6	.7	.2	.2	.1						3.9	6.0
SSW	.6	1.8	.7	.3								3.4	5.9
SW	1.1	2.7	1.4	.6								5.9	6.2
WSW	1.1	2.3	2.3	.8	.2							6.9	7.1
W	.9	2.9	2.3	2.1	.6	.1						13.8	8.7
WNW	.6	2.1	4.1	6.4	2.3	.2						13.9	11.7
NW	.6	1.8	2.9	4.0	.9	.2	.1					10.2	11.1
NNW	.8	1.3	1.6	1.6	.2	.1						5.9	9.0
VARBL													
CALM												11.4	
	10.7	28.2	26.2	21.4	5.4	1.5	.2					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1238

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04763 STATION NAME PEASE AFB N H/PORTSMOUTH YEARS 57-70 MONTH JAN
 CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	1.8	1.3	.1							6.0	7.5
NNE	.5	1.5	1.0	.6								3.5	7.0
NE	.2	1.0	.6	.8	.2	.1	.2					3.0	10.8
ENE	.6	.9	.6	.5	.3							2.5	8.4
E	.8	.2	.2	.1								.9	5.3
ESE	.4	.4	.1	.2								1.1	5.9
SE	.6	.2	.4	.1								1.1	6.0
SSE	.9	.9	.3	.3								2.0	6.6
S	1.6	1.8	.6	.3								3.0	5.0
SSW	1.8	1.8	.8									4.2	4.7
SW	1.9	2.7	1.9	.6								7.1	5.8
WSW	1.6	1.9	1.8	.6	.2	.1						6.2	6.8
W	2.0	2.6	2.1	1.6	.6	.2						11.5	7.7
WNW	.6	2.7	2.2	2.2	1.2	.1						15.2	9.9
NW	1.6	2.6	2.8	2.7	.2							9.9	8.0
NNW	.6	2.2	1.8	1.6	.2	.6						6.7	9.1
VARBL													
CALM												15.3	
	18.3	28.9	22.9	18.6	3.1	.8	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1249

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

57-70
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 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	1.9	2.2	1.0	.3							6.3	7.9
NNE	.5	1.7	1.3	.6								4.1	7.1
NE	.2	.9	.6	1.1	.2							3.1	9.2
NNE	.2	.2	.2	.4	.2	.2						1.4	11.3
E	.2	.5	.2	.3	.1	.1						1.4	8.9
ESE	.1	.1		.1								.2	6.7
SE	.1	.2										.3	4.3
SSE	.1	.2	.1	.1	.1							.6	8.0
S	.6	1.3	.9	.2		.1						3.1	6.4
SSW	1.3	1.7	.9	.2								6.1	3.2
SW	.9	2.7	2.4	.8								6.4	6.2
WSW	2.0	2.6	2.3	.9								9.0	6.1
W	2.3	6.0	3.1	2.3	.9	.2						14.3	7.2
WNW	1.0	2.6	4.0	4.2	.9	.1						13.8	9.2
NW	1.0	2.1	4.1	2.3	.6							11.2	8.3
NNW	.5	2.0	2.7	1.2	.2	.1						6.7	8.3
VARB													
CALM												13.7	
	12.2	29.8	28.0	18.5	3.2	.6						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1842

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH

57-70

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

HOWR (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.0	1.9	2.1	.3	.1						7.8	8.4
NNE	.7	1.5	.7	2.0		.2						5.1	9.1
NE	.4	.8	1.0	.6	.3	.2						3.5	9.7
ENE	.2	.3	.3	.3	.1							1.4	8.3
E		.1	.2	.2	.3	.3						1.3	13.3
ESE			.2	.2		.1						.5	12.8
SE	.1	.3	.2	.2	.1							1.0	7.6
SSE	.2	.1	.2	.6								1.2	10.1
S	.8	.8	.9	.3								2.9	6.3
SSW	.8	.7	1.4	.2								3.1	6.3
SW	.8	2.2	2.4	.8								6.3	6.9
WSW	.8	2.8	1.7	1.1	.1							6.3	7.1
W	2.2	3.1	4.8	2.8	.3	.2						13.4	7.8
WNW	1.9	2.7	3.8	4.1	.7	.2						13.0	9.1
NW	2.1	3.3	3.2	1.7	.7	.2						11.4	7.8
NNW	.9	2.1	.9	1.3								5.2	7.0
VARB													
CALM												12.3	
	12.7	26.2	22.6	18.6	3.9	1.8						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1182

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH

57-70

FEB

ALL WEATHER

0900-0500

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.7	2.3	1.5	.2	.1	.2					7.8	8.4
NNE	.9	1.2	1.9	1.9	.2	.1						9.8	9.1
NE	.6	.7	1.0	1.1	.9	.3						4.1	10.7
ENE	.2	.2	.4	.1								.9	6.6
E	.2	.1	.3	.3	.2	.1						1.4	9.8
ESE			.1	.3	.1							.4	14.4
SE	.1		.3									.4	8.0
SSE	.5	.3	.4	.3	.1							1.6	7.1
S	.4	.3	.3	.3								1.9	6.7
SSW	.5	1.4	1.0	.3	.1							3.3	6.7
SW	1.7	2.7	1.9	.4								6.7	9.7
WSW	1.4	2.9	2.3	.9	.2							8.6	6.7
W	2.2	6.8	3.0	3.0	.7	.1						17.4	7.7
WNW	1.9	3.0	4.5	2.7	.8							13.0	8.3
NW	.9	2.0	2.4	2.4	.3	.1						9.4	8.4
NNW	1.2	2.2	.4	.8								4.6	6.1
VARL													
CALM												12.6	
	13.4	33.9	24.6	14.3	3.3	.7	.2					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1185

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 04743 PRASE AFB N H/PORTSMOUTH STATION NAME 57-70 YEARS MONTH FEB
 CLASS ALL WEATHER HOUR (L.S.T.) 0900-1100
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.2	2.1	1.0	.1	.1						6.5	7.5
NNE	.7	.8	2.2	3.1	.9							7.3	10.3
NE	.2	.9	1.6	.7	.2	.3						3.7	9.9
NNE	.3	.3	.2	.4	.2	.1						1.5	10.4
E	.2	.2	.3	.4	.1	.1	.2					1.9	11.1
ESE	.2	.3	.4	.3	.1							1.4	8.4
SE	.2	.2	.3	.3	.1							.9	9.5
SSE	.2	.3	.3		.1							.8	7.5
S	.2	.7	.3	.2								1.4	6.0
SSW		.5	.7	.3	.1							1.8	9.3
SW	.8	2.0	1.8	.9	.1	.1						3.4	7.6
WSW	1.0	2.3	2.8	1.8								7.6	7.7
W	1.6	2.6	3.0	3.1	.9	.3						16.3	9.4
WNW	.9	1.6	2.9	3.3	2.0	.3						13.2	12.2
NW	1.4	2.2	2.6	4.0	1.9	.3						11.6	10.9
NNW	1.7	2.4	2.1	.9	.9	.1						7.6	7.2
VARBL													
CALM												11.1	
	10.8	20.8	25.0	24.8	6.2	1.8	.2					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 1185

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH 57-70 YEARS FEB MONTH
 ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	1.3	1.0	.3	.2						4.4	9.7
NNE	.3	.6	1.8	1.9	.8							5.4	10.9
NE	.6	.8	1.9	.6	.6	.3						4.7	9.7
ENE	.5	.8	1.1	.3	.1							2.8	7.3
E	.4	1.4	1.5	.3	.2							3.7	7.3
ESE	.3	.7	1.1	.3								2.3	7.0
SE	.3	1.4	.8	.2	.1							2.7	6.4
SSE	.4	.6	.8	.8	.3							2.9	9.0
S	.7	1.1	.7	.2								2.6	9.8
SSW	.3	.8	.7	.1								2.1	6.0
SW	.6	1.6	1.4	.3								4.5	7.2
WSW	.3	2.2	2.6	1.9	.3							7.4	9.1
W	.7	2.7	3.1	7.0	1.3	.8	.2					17.6	11.5
WNW	.6	.6	2.3	6.2	3.1	1.2	.1					14.3	14.0
NW	.5	1.0	2.1	4.6	1.4	.3						9.9	12.2
NNW	.3	1.4	1.3	1.1	.4							4.6	9.0
VARBL													
CALM												8.4	
	7.6	18.9	28.2	27.3	9.0	2.6	.3					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 1185

2

DATA PROCESSING DIVISION
 ETAC/USAP
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

57-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.5	.8	1.2	.5	.1						2.3	11.3
NNE	.1	.8	1.6	1.9	.5	.2						4.8	11.6
NE	.2	1.0	.8	.4	.3							2.8	8.7
ENE	.7	1.2	1.2	.6	.3							3.9	7.7
E	.4	2.2	1.6	.6	.1							4.9	7.0
ESE	.7	2.0	1.6	.3		.1						4.6	6.6
SE	.3	1.9	1.6	.2								4.1	6.6
SSE	.4	1.4	2.0	.7	.2	.1						4.8	8.1
S	.4	1.9	.5	.2								3.0	6.2
SSW	.2	.6	.5	.2								1.8	6.1
SW	.2	1.6	1.7	.6								4.1	7.4
WSW	.4	1.6	2.1	1.8	.2		.1					6.0	9.3
W	.6	2.6	4.5	6.7	1.3	.3	.1					15.8	11.0
WNW	.3	1.3	2.5	8.1	1.9	.6	.3					15.1	13.3
NW	.6	.8	2.8	6.1	1.6	.5	.1					11.1	12.1
NNW	.2	.8	.8	1.7	.2							3.8	9.7
VARBL													
CALM												6.2	
	6.4	21.7	27.3	29.2	4.8	1.8	.6					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

1185

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04743 PEASE AFB N H/PORTSMOUTH STATION NAME 57-70 YEARS FEB MONTH
 CLASS ALL WEATHER 1800-2000 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.8	1.2	1.0	.3							4.8	7.7
NNE	.4	.8	1.2	2.5	.3	.1	.2					3.5	11.9
NE	1.0	1.0	.8	.4								3.3	6.2
ENE	.4	1.0	.8	.3	.4							3.0	8.3
E	.8	.9	1.2	.5	.1	.1						3.1	7.7
ESE	.6	.8	.5	.2								2.1	5.2
SE	.4	1.0	.2	.1								1.7	5.1
SSE	1.7	1.9	1.1	.2	.3	.1						3.1	6.1
S	1.6	2.1	.6	.1	.1	.1						4.6	5.4
SSW	.6	1.6	.7	.1								2.8	5.5
SW	.6	1.9	1.9	.2	.2							4.3	6.5
WSW	1.4	1.4	1.9	1.4	.1							6.2	7.3
W	1.1	2.8	2.7	2.6	1.1	.2						12.5	9.7
WNW	.8	2.0	2.1	2.0	1.1	.9						14.0	10.7
NW	.8	2.0	2.4	2.3	.6	.6						10.3	10.8
NNW	.3	1.4	2.1	1.1	.2							3.2	9.2
VARBL													
CALM												11.3	
	12.9	24.9	26.8	18.8	8.1	1.9	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1185

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PURTSMOUTH 57-70 FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.0	1.8	2.0	.3							8.4	7.7
NNE	.8	.9	1.2	2.1	.5							5.7	10.0
NE	.8	.8	1.0	.3	.1	.2	.2	.1				3.3	8.6
ENE	.2	.7	.6	.4	.3	.1						2.2	9.5
E	.2	.6	.3	.5	.1	.1						1.8	10.3
ESE	.3	.3	.3	.1								.9	6.2
SE	.9	.5	.6									2.0	4.4
SSE	.3	.3	.1	.6	.1							1.6	8.7
S	1.0	1.1	1.2	.3								3.5	6.0
SSW	.3	.8	.9	.1								2.2	6.0
SW	1.3	1.8	1.9	.8								5.7	6.6
WSW	.8	1.6	3.0	1.5								6.9	8.0
W	1.6	6.2	3.7	3.0	.3							12.9	8.0
WNW	1.0	2.6	3.8	6.3	1.1	.3						13.2	10.2
NW	.9	2.3	6.5	2.9	.7	.3						11.5	9.6
NNW	.8	1.7	1.2	.9	.3							4.6	7.9
VARBL													
CALM												13.7	
	12.3	23.6	26.0	18.7	3.7	.9	.2	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1189

2

DATA PROCESSING DIVISION
 DTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 57-70 YEARS MAR MONTH
 ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.1	2.2	1.0								7.5	6.6
NNE	.5	1.8	1.7	.8	.2	.2						5.1	8.0
NE	.5	1.8	1.0	1.0	.3							4.3	8.7
ENE	.2	.8	.6	.7	.2	.1						2.7	9.7
E	.4	.1	1.1	.7	.1	.3						2.6	11.1
ESE	.2	.2	.5									.9	6.3
SE	.4	.9	.9	.2								2.1	6.4
SSE	.2	1.1	.1	.2								1.5	6.3
S	.7	1.0	.3	.1								2.1	3.0
SSW	.5	1.2	.3	.1								2.1	4.9
SW	.4	2.8	.8	.2								4.6	5.5
WSW	1.2	2.1	.9	.5	.1							4.8	5.8
W	3.0	6.0	4.8	2.3	.6	.2						16.5	7.2
WNW	1.1	3.7	3.1	2.8	.3							12.9	8.2
NW	2.0	3.0	2.9	2.7	.1							10.7	7.7
NNW	1.1	2.2	1.2	.5								4.8	3.9
VARBL													
CALM												14.8	
	18.8	31.5	23.7	13.7	1.8	.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1302

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PURTSMOUTH

57-70

MAR

ALL WEATHER

0300-0500
 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	1.3	4.2	1.9	1.0	.2							8.6	6.4
NNE	.6	2.0	2.1	.9	.3	.2						6.1	8.2
NE	.4	1.5	1.9	.8	.3	.1						5.1	6.4
ENE	.5	.2	.8	1.2	.2	.1						2.9	10.8
E	.5	.6	1.3	.7	.3	.2						3.5	9.5
ESE	.2	.3	.4	.2	.1							1.3	7.5
SE	.4	.3	.5	.3								1.5	6.6
SSE	.2	.7	.3	.1								1.2	5.9
S	.3	.8	.3									1.6	4.5
SSW	.3	.9	.2	.1								1.5	5.1
SW	.8	1.9	.9	.2								3.8	5.6
WSW	1.2	3.2	1.7	.5	.2							6.8	6.3
W	3.1	7.0	3.2	2.4	.7	.1						18.4	7.1
WNW	1.3	3.8	2.8	2.4	.2							10.5	7.7
NW	1.6	1.9	3.8	1.8								9.1	7.6
NNW	1.3	2.2	1.2	.1	.3							4.8	5.6
VARBL													
CALM												13.1	
	16.2	21.7	23.2	12.7	2.8	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1302

2

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743
STATIONPEASE AFB N H/PORTSMOUTH
STATION NAME57-70
YEARSMAR
MONTHALL WEATHER
CLASS0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.6	2.9	1.0	.1							8.0	6.9
NNE	.7	2.2	2.8	1.7	.2	.3						7.8	8.6
NE	.2	1.8	1.7	1.4	.6							5.7	9.4
ENE	.1	.8	.9	.6	.2	.1						2.6	9.4
E	.2	.5	.7	1.0	.3	.2						2.9	11.1
ESE	.2	.5	.5	.2	.2							1.7	8.5
SE	.1	.3	.3	.3								1.2	7.8
SSE	.2	.5	.2	.2								1.2	5.4
S	.5	.9	.2									1.6	4.0
SSW	.7	1.0	.2	.2								2.2	5.2
SW	.5	1.0	1.4	.6	.1							3.6	7.5
WSW	1.5	2.5	1.3	.5	.1							7.0	5.8
W	2.0	5.5	4.3	2.1	.9	.2						16.3	7.6
WNW	1.4	3.7	2.6	2.2	.6	.3						11.6	8.5
NW	1.0	2.3	4.3	2.1	.4							11.2	8.2
NNW	1.0	2.3	1.5	.2	.2							3.3	6.0
VARBL													
CALM												9.7	
	12.9	31.0	24.7	15.3	3.4	1.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

1302

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION 09743 PEASE AFB N H/PORTSMOUTH STATION NAME PEASE AFB N H/PORTSMOUTH YEARS 57-70 MONTH MAR MONTH 0900-1100 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.2	2.9	2.1	.4							8.2	8.9
NNE	.2	1.2	2.0	1.0	.2							4.6	8.7
NE	.2	1.3	2.9	1.7	.5	.2						6.8	10.2
ENE	.2	.9	1.5	1.0	.4							4.0	9.7
E	.3	1.2	1.9	1.2	.5	.2						5.4	9.9
ESE	.1	.8	.8	.9								2.2	7.9
SE	.5	.9	.2	.4	.3							1.8	6.0
SSE	.4	.8	.7	.2								2.2	6.7
S	.5	.7	.5	.4								2.0	6.3
SSW	.5	.8	.5		.1							2.0	5.7
SW	1.0	1.6	1.2	.6	.2							4.7	6.8
WSW	.6	1.9	1.9	.8		.2						5.3	8.0
W	.7	1.8	4.0	4.2	1.2	.4						12.4	10.8
WNW	.2	1.3	2.9	4.1	1.2	.7						10.4	12.2
NW	.7	1.8	4.5	4.4	1.2	.3						14.8	11.2
NNW	.4	2.2	2.2	1.2	.1							6.0	8.1
VARBL													
CALM												7.1	
	7.0	21.8	30.9	28.7	6.1	2.1						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 1302

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 57-70 YEARS MAR MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	2.2	2.0	.9							6.0	10.3
NNE	.2	.7	.8	1.0	.1							2.7	9.2
NE	.2	1.5	1.5	1.5	.6	.2						9.4	10.3
ENE	.2	1.0	1.6	1.2	.3	.1						4.4	10.1
E	.2	1.5	2.6	1.7	.9	.4						7.0	10.2
ESE	.3	1.1	2.2	.4	.2	.2						4.4	9.0
SE	.6	1.1	3.5	1.2	.1							6.1	8.5
SSE	.3	.7	1.2	.8								3.0	8.2
S	.4	1.6	.8	.7	.2							3.8	8.0
SSW	.9	.3	.2									1.5	6.6
SW	.2	1.1	1.6	.7								3.9	7.6
WSW	.3	1.1	2.0	.9	.2							4.3	8.8
W	.5	1.7	3.5	3.1	1.6	.6						12.5	11.4
WNW	.2	.7	2.5	4.3	2.1	.3						10.3	12.3
NW	.1	1.6	4.2	3.1	2.8	.6						14.3	12.7
NNW	.3	2.2	2.6	1.3	.1							6.5	8.0
VARBL													
CALM												4.2	
	6.0	19.8	22.9	25.0	9.0	2.6						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 1302

2

DATA PROCESSING DIVISION
 BTAC/USAP
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04743 PEASE AFB N H/PORTSMOUTH YEAR 57-70 MONTH MAR
 CLASS ALL WEATHER HOURS (L.A.T.) 1500-1700
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	1.3	1.3	.4							4.6	9.5
NNE	.1	.7	1.4	.3	.1	.1						2.8	8.6
NE	.1	.8	1.8	.7	.3	.1	.1					3.9	10.3
ENE	.2	.3	1.1	1.4	.4	.2						3.7	11.3
E	.3	1.0	2.3	1.8	.2	.4						6.3	9.8
ESE	.8	1.7	2.6	.6	.1							3.8	7.4
SE	.6	2.2	4.2	1.1	.1							9.2	7.6
SSE	.2	2.4	3.0	1.0								6.6	7.9
S	.1	.3	1.1	.4	.1							2.4	8.2
SSW	.2	.3	.4	.3	.3							1.8	9.4
SW	.2	1.2	1.3	.2	.1							3.3	7.3
WSW	.7	1.0	1.2	.2	.2	.1						3.2	7.6
W	.3	1.0	2.8	3.8	1.0	.3						10.1	10.8
WNW	.2	.3	2.3	6.9	1.7	.2	.1					12.7	12.8
NW		1.3	3.8	7.0	3.1	.6						13.8	13.1
NNW	.2	1.0	1.3	1.1	.3							4.7	8.3
VARBL													
CALM												2.8	
	4.3	21.4	22.6	28.3	8.2	1.9	.2					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 1300

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

57-70
YEARS

MAR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.6	1.2	.6								3.6	7.0
NNE	.2	1.1	1.2	.6	.3							3.9	8.9
NE	.4	1.4	.8	.9	.4	.1	.1					4.1	9.3
ENE	.2	.7	.7	.9	.2	.2						2.8	11.0
E	.6	1.9	1.7	.8		.1						4.7	7.6
ESE	1.1	1.0	.8	.4								3.1	5.7
SE	.9	2.4	1.1	.2								4.2	5.5
SSE	1.2	2.3	1.2	.2								6.0	5.2
S	1.7	2.7	1.2	.4								5.9	5.5
SSW	.8	.8	.5	.2	.1							2.8	6.6
SW	1.2	1.1	.6	.1								2.9	4.9
WSW	.6	.9	1.7	.2	.1	.1						3.6	7.4
W	1.2	2.9	2.6	1.8	.8	.1						9.1	8.3
WNW	.8	2.0	2.7	4.3	.2	.2						11.7	9.9
NW	.5	2.7	3.5	3.5	1.4							13.4	10.4
NNW	.4	1.3	2.1	.6	.1							4.3	7.7
VARBL													
CALM												12.1	
	11.7	27.4	26.2	18.3	3.5	.8	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1302

2

DATA PROCESSING DIVISION
 ETAC/USAP
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

37-70
YEARS

MAR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.1	1.8	.1	.2							6.0	5.9
NNE	.7	1.4	1.4	1.2	.2	.1						4.9	6.4
NE	.8	1.9	1.0	.4	.2	.1						3.8	7.4
NNE	.2	.2	.8	.7	.3	.2						2.2	12.0
E	.8	.8	.4	.7	.1	.2						2.7	8.8
ESE	.2	.2	.2	.2								1.3	6.6
SE	.7	1.0	.4	.2								2.4	5.8
SSE	.2	1.2	.7									2.4	5.6
S	1.2	1.2	.9	.2								3.8	5.6
SSW	.9	1.2	.7	.1								3.1	5.1
SW	1.8	2.1	1.0	.4								3.1	9.4
WSW	.9	2.2	.8	.4	.2	.2						4.7	6.7
W	1.8	4.2	2.8	2.2	.8	.2						11.8	7.5
WNW	.9	2.2	4.2	4.0	.7							13.1	9.2
NW	1.2	2.2	2.9	4.0	.1	.2						12.5	8.8
NNW	.4	2.2	1.4	.8								5.5	6.8
VARBL													
CALM												14.8	
	13.7	20.1	22.4	15.7	2.2	.8						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

1302

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

56-70
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOWR (L.T.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.7	2.0	.9								5.4	7.3
NNE	.2	1.4	1.6	.9								4.1	7.8
NE	.8	1.6	1.4	1.3	.1							5.1	7.7
ENE	.4	.9	1.0	.3								2.6	6.6
E	.3	1.1	.2	.3		.2						2.1	7.8
ESE	.2	.8	.6									1.7	5.5
SE	.7	1.9	.8	.2								3.5	5.8
SSE	.9	1.1	.6	.3	.1							2.9	6.0
S	1.1	1.7	.8	.1								3.8	4.9
SSW	.8	1.3	1.0	.2								3.2	6.3
SW	1.3	1.6	2.2	.9								5.8	6.5
WSW	.6	2.3	2.3	.2		.1						6.8	6.2
W	2.6	6.2	3.2	.8	.2							12.9	6.0
WNW	1.8	2.9	2.3	1.6	.4	.2						9.1	7.4
NW	1.4	2.0	2.8	.8	.1	.2						7.8	7.0
NNW	1.0	1.4	1.1	.3								4.0	6.0
VARB													
CALM												19.2	
	14.9	22.4	23.4	8.9	.8	.4						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

1326

2
2
C

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS APR MONTH
ALL WEATHER CLASS 0300-0300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	1.3	.8								3.4	6.8
NNE	.5	1.7	1.8	.9	.1							3.0	7.5
NE	.8	1.6	1.7	.9	.1							3.0	7.5
ENE	.4	.9	.8	.2								2.3	6.6
E	.2	.7	.7	.1		.1						1.7	7.2
ESE	.2	.7	.2	.1	.1							1.2	5.9
SE	.3	1.4	.8	.1	.1							2.3	6.1
SSE	.9	1.1	1.0	.2	.2							3.3	6.4
S	.9	1.2	.8									2.9	4.8
SSW	1.2	1.2	.7	.2								3.3	5.1
SW	1.2	2.0	1.1	.4	.1							4.8	5.9
WSW	1.4	2.2	1.3	.8	.1							6.4	6.0
W	2.6	6.2	2.6	1.1								14.6	5.6
WNW	1.7	2.2	2.6	1.1	.8							9.1	7.2
NW	1.6	2.7	2.8	.8	.2	.2	.1					9.0	6.9
NNW	.8	1.7	1.6	.7								4.4	6.6
VARBL													
CALM												19.3	
	16.4	22.4	21.2	8.0	1.9	.2	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1326

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH

56-70

APR

ALL WEATHER

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.5	1.5	1.5								5.7	7.6
NNE	.8	1.4	2.1	.9								6.2	7.9
NE	.5	1.0	1.6	1.0								4.1	7.9
ENE	.6	.8	1.0	.8								3.1	7.5
E	.3	.8	1.1	1.2								2.5	7.0
ESE	.2	.7	.9									1.7	6.6
SE	.3	1.5	1.5	.9								3.5	7.0
SSE	.3	.8	1.4	.9								2.9	7.4
S	1.1	1.1	.3	.1								2.5	4.5
SSW	.6	.9	.9	.3								2.5	6.9
SW	.6	1.6	1.7	.9								4.1	7.0
WSW	1.1	2.9	2.4	1.0	.1							8.5	6.6
W	2.3	4.8	2.6	2.3	.3							12.4	7.1
WNW	1.3	2.6	2.5	2.1	.5							9.0	7.9
NW	1.4	2.2	2.2	2.2	.2	.3						10.0	8.9
NNW	1.7	2.1	1.6	.8	.2							6.3	6.3
VARBL													
CALM												14.9	
	14.9	27.2	27.8	14.3	1.2	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1326

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763 STATION PEASE AFB N H/PORYSMOUTH STATION NAME

56-70 YEARS

APR MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.1	1.2	1.1	.3	.1						4.7	8.4
NNE	.2	1.0	1.6	1.3	.2							4.1	9.4
NE	.7	1.1	1.7	1.7	.2							3.4	9.0
ENE	.4	.9	1.7	1.6	.1							4.4	8.9
E	1.0	1.7	2.8	.7	.1							6.3	7.4
ESE	.3	1.2	2.8	1.3								3.7	8.5
SE	.2	2.8	2.6	1.0								6.6	7.7
SSE	.2	.8	1.2	.8								3.0	7.9
S	.8	1.3	.5									2.8	5.1
SSW	.3	.9	.8	.2								2.3	6.8
SW	.8	1.9	2.9	.7								6.3	7.4
WSW	.5	2.2	1.7	1.3	.2							6.0	8.1
W	.3	1.4	3.2	3.9	.9	.2						10.0	11.1
WNW	.5	.8	3.2	3.0	1.1	.4						9.0	11.5
NW	.7	1.6	3.9	3.3	.8	.2						10.6	10.4
NNW	.2	1.9	1.6	1.2	.2	.1						3.4	8.9
VARBL													
CALM												7.6	
	8.2	22.8	33.3	22.9	6.1	1.0						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

1326

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORSMOUTH STATION NAME 56-70 YEARS APR MONTH
 ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.7	1.2	1.2	.2							3.3	9.3
NNE		.5	1.2	.5	.2	.1						2.4	10.3
NE	.1	.4	1.4	1.6	.6	.2						4.1	12.0
ENE	.2	.3	1.3	.9	.2	.1						3.2	10.2
E	.4	1.2	4.3	3.2								9.1	9.2
ESE	.3	1.7	3.3	3.2	.1							10.6	9.1
SE	.1	1.0	7.9	3.0	.2							13.7	9.4
SSE	.2	1.1	2.3	2.0	.1							6.3	9.9
S	.1	.8	1.8	.4								2.8	8.3
SSW	.2	.4	1.0	.6	.1							2.2	9.0
SW	.1	.9	2.0	.8	.1	.2						4.1	9.3
WSW	.2	.9	2.0	1.4	.2	.2						4.6	10.3
W	.3	1.3	2.2	4.4	1.4	.2	.1					10.0	12.0
WNW	.1	.6	1.7	4.3	.9	.5						8.1	12.9
NW	.2	.7	2.0	4.0	1.2	.4	.1					9.1	13.0
NNW	.9	1.6	1.2	1.2	.2	.1						3.9	10.4
VARBL													
CALM												2.1	
	2.6	12.9	29.0	24.8	3.0	1.9	.2					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 1326

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 04763 PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS APR NORTH
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.8	.9	.2							2.5	9.5
NNE	.5	.6	.7	.1	.7							2.3	9.7
NE	.2	.8	1.2	1.4	.4	.1						3.8	11.1
ENE	.2	.8	1.2	1.0	.2							3.4	9.4
E	.4	1.2	4.1	1.9								7.7	8.6
ESE	.4	2.1	4.4	1.4	.1							8.3	8.1
SE	.8	2.9	8.1	2.1	.1							16.4	9.4
SSE	.2	1.6	2.6	2.7	.2							11.2	10.0
S	.1	.8	.9	1.4	.1							3.2	9.9
SSW	.2	.6	.8	.8								1.7	8.0
SW	.2	.9	1.2	.8	.2	.1						2.6	9.1
WSW	.2	.6	1.2	.8	.2							2.3	9.0
W	.3	.8	2.6	2.9	.6	.2						7.0	11.3
WNW	.3	.3	2.1	4.1	1.2	.6						8.4	12.8
NW	.2	.9	2.6	2.8	1.3	.7						11.7	12.9
NNW	.2	.5	1.4	1.6	.9	.8						4.9	11.6
VARBL													
CALM												3.0	
	3.9	16.5	28.8	22.0	6.0	1.8						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 1326

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 APR
STATION MONTH
 ALL WEATHER 1800-2000
CLASS MONTH (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	.6	.4								2.7	6.5
NNE	.2	1.0	.7	.9	.1							2.8	8.8
NE	.3	1.2	1.6	1.4	.3							4.8	9.1
ENE	.8	1.4	1.1	.1	.3	.2						3.9	7.1
E	.9	1.6	1.1	.6								4.1	6.4
ESE	.9	2.3	1.4	.3	.1							4.8	6.3
SE	1.9	4.8	3.9	.8								11.4	6.3
SSE	1.6	4.8	4.4	1.4	.2							12.4	6.9
S	1.4	2.8	2.0	.9	.2							7.3	6.6
SSW	.8	.6	1.0	.8								2.9	7.6
SW	.3	.8	.9	.6	.2							2.8	8.4
WSW	.3	1.1	.2									1.5	4.8
W	.6	1.9	1.3	.8	.4	.1						4.6	8.6
WNW	.3	2.0	2.5	2.2	.8	.2						7.9	10.2
NW	.6	2.3	4.7	3.4	.3	.2						11.7	9.7
NNW		1.4	1.9	1.2	.2							4.8	9.4
VARBL													
CALM												9.6	
	10.9	30.9	29.2	18.6	2.2	.6						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1326

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PURTSMOUTH
STATION NAME

56-70
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	1.4	.4								4.7	6.1
NNE	.9	1.6	1.8	1.0	.1							4.8	7.9
NE	.8	1.6	1.3	1.2	.2							4.8	8.0
ENE	.9	1.9	.5	.5	.1							3.5	6.5
E	.8	1.2	.6		.1							2.7	5.2
ESE	.8	.6	.9									1.7	5.0
SE	.9	1.9	1.1	.5	.1							4.1	6.7
SSE	1.0	2.6	.8	.5								5.0	5.8
S	1.6	1.7	1.6	.5								5.2	5.9
SSW	.8	1.0	2.2	1.1								5.0	7.9
SW	1.1	1.9	1.9	.8	.1							5.2	6.5
WSW	1.6	1.7	1.8	.8								4.3	5.3
W	1.7	2.1	2.2	1.1	.1	.1						8.1	6.5
WNW	.6	2.6	2.6	1.8	.1		.1					8.4	7.6
NW	.8	2.2	2.6	1.6	.1	.1						8.4	7.9
NNW	.5	2.2	2.0	.6								5.3	6.9
VARL													
CALM												18.9	
	16.5	80.9	25.9	10.6	1.8	.8	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

1326

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORSMOUTH

56-70

MAY

ALL WEATHER

0000-0200

SPEED (KNTS) DIR.	1-3	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	1.4	1.1	.4								3.9	6.1
NNE	1.1	1.8	1.9	.4	.1							3.3	6.3
NE	.6	1.9	1.3	.6	.2	.1						4.7	7.2
ENE	.8	.4	.9	.1								2.2	6.0
E	.7	1.2	.4	.1								2.4	4.6
ESE	.5	.6	.1									1.3	4.3
SE	.7	1.6	.6									2.9	4.9
SSE	.7	.9	.3									1.9	4.2
S	1.4	1.9	1.0	.2								4.4	5.1
SSW	.8	1.4	1.1	.3								3.5	5.9
SW	1.8	4.2	2.6	1.4		.1						11.1	6.7
WSW	1.8	4.9	2.6	.6								9.8	5.8
W	2.6	6.3	3.2	.6								12.3	5.3
WNW	1.3	2.6	1.9	.6	.1							6.3	6.3
NW	.9	2.1	1.4	.6								3.1	6.1
NNW	1.1	1.7	1.0	.1								3.9	4.8
VARB													
CALM												16.6	
	17.8	22.1	22.3	5.7	.5	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04763 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS MAY MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)

 _____ CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	1.6	.6								4.4	6.2
NNE	.7	1.5	.9	.7								3.9	7.0
NE	.6	1.6	2.4	1.6	.2							6.2	8.3
ENE	.4	1.1	2.4	.9	.1							4.9	8.3
E	.6	.6	.8	.5								2.6	6.8
ESE		.5	.6									1.1	6.7
SE	.7	1.6	.9									3.0	5.5
SSE	.1	.9	.6	.2	.1							1.7	7.2
S	.7	1.6	.7	.1								3.2	5.5
SSW	.6	1.2	1.2	.2								3.2	6.4
SW	1.6	3.0	3.7	.9								9.0	6.7
WSW	1.8	4.6	4.2	.6								10.7	6.4
W	2.7	4.8	6.0	1.6	.1							12.7	6.3
WNW	1.6	2.1	1.9	1.8	.4							7.6	8.2
NW	.9	2.1	3.2	2.1	.6							8.7	9.0
NNW	.8	1.8	1.6	.6	.1							4.6	7.0
VARBL													
CALM												12.7	
	18.9	29.7	28.3	11.8	1.5							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1399

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS MAY MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	1.6	.7	.1							3.6	8.3
NNE	.4	.4	1.2	.4	.1							2.6	8.0
NE	.1	.9	2.4	1.3	.4							5.0	9.8
ENE	.2	.9	2.2	1.4	.2							4.9	9.4
E	.9	1.0	2.3	1.6		.1						6.8	8.4
ESE	.6	2.1	2.9	.8								7.0	7.5
SE	.6	1.9	2.8	.9								7.0	7.7
SSE	.2	.9	1.1	.7	.2							3.3	8.7
S	.2	1.8	1.4	.6								3.8	7.2
SSW	.4	1.2	1.2	.8	.1							3.7	8.1
SW	.4	2.8	2.7	1.8								8.3	7.8
WSW	.7	1.8	2.2	2.1	.1	.1						7.5	9.1
W	.4	1.9	4.3	4.0	.4	.1						11.9	10.0
WNW	.1	.4	2.9	2.8	.9	.2						6.6	11.6
NW	.6	1.9	2.7	2.3	1.9							9.2	11.9
NNW	.4	1.1	1.1	1.2	.8	.1						4.1	9.0
VARBL													
CALM												9.1	
	4.5	20.8	29.2	22.9	3.8	.8						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1995

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763 STATION PEASE AFB N H/PURTSMQUTH STATION NAME 56-70 YEARS MAY MONTH
 ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.6	.6	.1	.1						1.6	10.9
NNE		.2	.5	.1	.1	.1						1.1	10.5
NE	.1	.2	.9	.9	.9		.1					2.5	11.7
ENE	.2	.9	1.0	1.1	.1							2.9	9.5
E	.1	1.4	4.1	2.0	.1							7.7	9.2
ESE	.1	1.3	2.2	2.9	.2							11.0	9.6
SE	.3	1.5	2.8	6.1	.1							16.9	9.8
SSE	.1	1.0	2.8	3.7	.9							8.0	10.8
S	.1	1.6	1.8	1.1			.1					4.2	8.9
SSW	.1	.6	1.1	1.9	.1							3.9	10.7
SW	.2	2.0	2.7	2.0	.3							7.2	9.2
WSW	.1	.7	2.2	2.1	.1							3.2	9.6
W		.7	2.4	4.8	.8	.3						9.0	12.2
WNW		.2	1.7	3.3	1.1							6.3	12.8
NW	.1	.8	1.6	3.7	1.6	.6						7.9	13.6
NNW	.1	.9	.9	1.0	.1	.1						2.7	10.1
VARBL													
CALM												2.2	
	2.0	12.2	27.7	28.2	5.0	.9	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 1395

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS MAY MONTH
 ALL WEATHER CLASS 1300-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.7	.5								1.9	8.3
NNE		.2	.6	.1	.2	.1						1.4	11.8
NE	.2	.4	1.0	.6	.1	.1						2.4	8.8
ENE		.4	1.1	1.1	.2							2.8	10.9
E	.4	2.2	2.7	.6	.1							7.0	7.6
ESE	.4	1.7	4.4	2.2	.1							9.1	8.7
SE	.1	1.9	9.7	6.7	.1	.1						18.7	9.8
SSE	.2	1.9	6.1	8.1	.8							12.9	9.9
S	.4	1.0	2.2	.6	.2							4.4	8.5
SSW	.1	.4	1.0	1.4	.2	.2						3.4	12.1
SW	.4	.9	1.2	1.9	.9							4.9	10.3
WSW	.2	.4	1.4	1.4	.2							3.7	10.5
W	.1	.4	2.2	2.7	.9	.1						7.7	11.9
WNW	.1	.2	2.4	2.7	1.2	.1						7.0	12.3
NW	.1	.8	1.9	2.9	1.1	.4						8.0	12.7
NNW		.2	.7	1.0	.4							2.4	12.0
VARBL													
CALM												1.7	
	2.9	14.2	40.5	22.7	6.0	1.0						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 1395

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04762 PEASE AFB N H/PORTSMOUTH 56-70 MAY 1800-2000

ALL WEATHER

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	.8	.2								2.6	6.7
NNE	.1	.6	1.1	.1	.1							2.2	8.0
NE	.2	.8	1.0	.2	.1							2.5	7.8
ENE	.4	1.1	1.6	.2	.1	.1						3.4	7.3
E	.2	1.9	1.1	.4	.1							3.9	6.7
ESE	.6	2.2	1.6	.2	.2							4.6	6.6
SE	1.6	2.5	2.9	.9								11.8	6.3
SSE	1.6	4.0	2.6	1.1								12.0	6.9
S	1.6	4.1	2.2	.9	.2							9.7	6.6
SSW	.7	1.6	2.1	1.0	.2							9.5	8.5
SW	1.1	1.9	2.0	1.0		.1						6.1	7.3
WSW	.6	1.1	1.0	.2								2.7	6.5
W	1.6	1.8	2.5	1.2	.2	.1						7.2	7.7
WNW	.6	1.6	2.0	1.6	.1							2.9	9.3
NW	.1	1.2	2.6	2.2	.1							7.1	9.2
NNW	.2	.2	1.5	1.2								3.9	8.5
VARBL													
CALM												8.7	
	11.0	21.2	22.9	12.9	2.0	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1295

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.8	1.1	.3								3.9	5.9
NNE	.6	1.4	1.0	.1	.1	.1						3.2	6.8
NE	1.1	1.2	1.6	.4		.2						4.4	6.9
ENE	.9	1.1	.9	.1								2.9	5.5
E	1.0	1.9	1.1	.1	.1							4.1	5.3
ESE	.4	1.0	.5	.1								1.9	5.7
SE	1.1	1.9	.6	.1								3.7	5.3
SSE	1.4	1.7	1.6									4.7	5.1
S	2.2	2.7	.7	.2								5.7	4.7
SSW	1.6	2.8	1.4	.8	.2							6.7	6.5
SW	1.2	2.9	4.2	1.4								10.7	7.0
WSW	1.2	2.1	1.1	.3								5.8	5.5
W	1.9	4.8	2.7	.5								10.9	6.0
WNW	.4	2.2	1.6	1.1	.1							5.4	7.7
NW	.8	2.2	1.6	.5								5.2	6.5
NNW	.3	1.3	1.4	.3	.1							3.3	7.1
VARBL													
CALM												17.3	
	10.0	20.5	24.2	6.2	.6	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1995

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743 PEASE AFB N H/PORTSMOUTH

56-70

JUN

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 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	1.5	.9	.1								3.8	5.1
NNE	.3	1.2	.9	.3								3.0	6.1
NE	.8	1.6	1.0	.4								3.8	6.1
ENE	.7	.7	.4	.1								2.0	5.0
E	.2	.9	.4									1.6	4.8
ESE	.4	.8	.1									1.3	4.2
SE	.6	1.0	.5									2.1	5.0
SSE	1.2	1.2	.6									3.1	4.4
S	1.2	1.4	.5									3.3	4.3
SSW	1.2	2.7	1.5	.1								5.6	5.4
SW	1.8	3.9	2.1	1.2	.1							12.1	6.3
WSW	2.4	3.6	2.3	.8	.1							10.6	5.3
W	2.3	3.8	2.3	.6	.1							12.2	5.3
WNW	1.7	2.4	.8	.1								6.0	4.3
NW	1.2	2.1	.7	.1	.1							4.3	5.1
NNW	.9	1.2	.5									2.6	4.3
VARBL													
CALM												22.7	
	20.1	27.0	16.6	3.0	.3							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 1390

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04763 STATION PEASE AFB N H/PORTSMOUTH 26-70 YEARS JUN MONTH
0300-0500 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	1.2	.2								4.2	5.6
NNE	.7	2.0	.7	.2								3.6	5.5
NE	.8	2.1	1.0	.7								4.6	6.4
ENE	.4	.6	.5	.2								1.8	6.5
E	.4	.8	.2	.2								1.7	5.8
ESE	.4	.4		.1								.8	4.4
SE	.7	1.3	.2									2.1	4.4
SSE	.8	.7	.4	.2								2.1	5.2
S	1.2	1.6	.6									3.6	4.5
SSW	1.4	1.8	1.1	.1								4.6	5.1
SW	1.6	3.9	2.7	.3								10.4	5.6
WSW	1.6	3.6	2.1	.5								9.9	5.6
W	4.6	8.7	3.0	.7								16.8	5.1
WNW	1.9	2.6	1.3	.2								5.9	4.9
NW	1.7	1.9	.7	.1			.1					4.4	5.0
NNW	.9	1.6	.1									2.4	4.1
VARBL													
CALM												21.1	
	19.8	39.3	15.8	3.9			.1					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 1250

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743 STATION PEASE AFB N H/PURTSMOUTH 56-70 YEAR JUN MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	.4	.1								3.3	4.7
NNE	.6	1.7	1.4	.3								4.0	6.3
NE	.5	2.0	1.0	1.0	.2							4.7	7.7
ENE	.7	1.2	1.0	1.0								4.0	7.2
E	.3	.8	1.0	.2								2.4	7.0
ESE	.4	.2	.1	.2								1.0	5.9
SE	.2	.7	.2	.1								1.5	5.1
SSE	.6	.8	.7	.4								2.5	6.2
S	.5	1.7	.6	.1								3.0	5.4
SSW	.9	1.4	1.6									3.9	5.6
SW	1.8	3.4	2.9	.6	.1							10.7	6.0
WSW	1.6	3.9	2.9	.3								11.7	5.8
W	3.0	3.0	2.8	1.6	.2							16.7	6.2
WNW	1.6	2.4	1.5	.8		.1						6.4	6.3
NW	1.0	2.2	1.9	.8		.1						7.1	6.8
NNW	1.0	1.9	.7	.1	.1							3.8	5.2
VARBL													
CALM												13.3	
	15.8	39.4	22.8	7.6	.7	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1390

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763 PEASE AFB N H/PORTSMOUTH

56-70

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

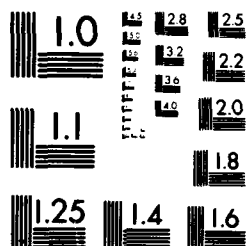
0900-1100
HOURS (L.S.T.)

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	1.0	.7	.2								2.4	5.9
NNE	.4	.8	1.0	.1								2.4	6.0
NE	.1	1.0	1.7	1.4	.2							4.4	9.4
ENE	.3	1.0	1.1	1.2	.1							3.9	8.2
E	.8	2.0	2.4	.9	.1							6.1	7.3
ESE	.4	1.6	2.1	.6								4.7	7.2
SE	.3	2.1	2.7	.7								5.6	7.3
SSE	.2	.8	1.4	.6								3.1	7.8
S	.6	1.4	1.1	.2	.1							3.4	6.5
SSW	1.0	2.6	2.3	.5	.1							6.1	6.5
SW	1.4	4.6	4.7	1.0	.1	.1						11.9	7.0
WSW	1.1	4.1	3.9	1.0	.1	.1						10.3	7.0
W	1.3	4.1	3.8	2.2	.3	.1						13.8	8.1
WNW	.5	1.0	2.2	2.7	.1	.1						6.6	10.0
NW	.8	1.3	1.8	1.6	.1	.2						3.6	9.4
NNW	.2	1.0	1.3	1.1								3.6	8.6
VARBL													
CALM												5.9	
	10.1	20.2	24.1	15.9	1.3	.5						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1350



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

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
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	1.0	.3								1.9	7.7
NNE	.1	.6	.7	.1								1.5	7.9
NE	.1	.7	1.2	1.1	.1							3.4	9.8
ENE	.1	.9	1.0	1.0								2.9	8.7
E	.7	1.8	3.3	1.8								7.5	8.0
ESE	.4	2.4	4.9	1.6								9.3	8.2
SE	.7	1.8	3.9	3.3	.1							12.0	9.1
SSE	.1	1.0	4.7	3.3	.3							10.0	9.8
S	.3	1.3	1.3	1.0								4.1	8.0
SSW	.1	1.3	1.7	1.0	.1	.1						4.3	8.7
SW	.6	2.1	3.6	2.1	.4							8.5	9.0
WSW	.3	2.0	3.9	.6								7.0	7.8
W	.3	1.3	3.2	2.9	.6	.1						10.3	9.9
WNW	.1	.9	2.3	2.9	.3							6.4	10.7
NW	.1	.3	1.9	3.0	.6	.3						6.3	11.9
NNW		.6	.7	.7								1.9	9.6
VARBL													
CALM												2.7	
	6.2	19.8	62.8	27.0	2.9	.6						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 1280

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

56-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-1700
HOUS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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	.3	.1							1.7	8.3
NNE	.1	.1	.5	.2								1.0	8.0
NE	.2	.5	1.6	1.1	.1	.1						3.7	9.5
ENE	.2	.6	1.5	.7								3.0	8.5
E	.4	1.9	2.4	.8								3.2	7.2
ESE	.6	2.1	2.8	.7								6.3	7.2
SE	.5	4.1	8.2	3.1								19.9	8.3
SSE	.3	2.6	7.6	5.2	.5	.1						16.3	9.8
S	.6	1.9	1.9	1.1	.1							9.4	7.9
SSW	.3	.8	1.5	.8	.1	.1						3.6	9.0
SW	.6	1.9	3.6	1.3	.2	.1						7.1	8.7
WSW	.1	1.5	2.3	.8								4.7	8.3
W	.3	1.2	4.1	2.0	.2	.1						7.9	9.3
WNW	.6	1.3	2.3	2.6	.3	.1						7.2	10.0
NW	.1	.4	2.5	3.0	.3							6.4	10.9
NNW	.1	.6	.7	1.1	.1							2.4	10.3
VARBL													
CALM												2.2	
	6.6	21.4	44.5	24.7	2.1	.6						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1350

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

56-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	1.2	.1								2.4	6.8
NNE	.2	.9	.7	.1								1.9	6.2
NE	.1	1.4	1.2	.4	.1							3.3	7.3
ENE	.1	.8	1.1	.1								2.1	7.3
E	.0	1.0	1.2	.1								3.6	6.0
ESE	.5	1.0	.9	.1								3.0	5.5
SE	1.2	4.2	3.2	.2								9.5	5.9
SSE	1.7	7.2	6.2	.9	.1							16.8	6.5
S	2.1	4.7	2.2	.7	.1							10.3	6.0
SSW	1.0	2.0	1.6	.7	.1							6.4	6.4
SW	1.2	1.7	2.2	.2	.1							7.6	7.2
WSW	.6	1.0	1.0	.1								3.6	5.6
W	.7	2.2	1.0	.7	.2							3.0	7.0
WWW	.2	1.0	1.6	1.0								4.7	7.3
NW	.2	1.2	2.2	1.2	.1							3.3	6.6
NNW	.2	1.2	1.6	.9	.1							4.4	6.1
VARBL													
CALM												10.1	
	12.2	26.7	21.4	2.4	1.0							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1220

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS MONTH JUL
ALL WEATHER CONDITION 0000-0200 HOUR (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.2	.6									4.1	4.5
NNE	.9	1.6	.6									2.7	4.2
NE	.6	1.1	.6									2.2	4.8
ENE	.4	.8	.1									1.2	4.2
E	.4	.8	.1									1.2	4.4
ESE	.7	.8		.1								1.3	3.9
SE	.7	1.6	.9	.1								3.2	3.6
SSE	.6	1.7	.6	.1								2.9	3.0
S	1.8	2.6	.6	.1								3.2	4.3
SSW	1.1	1.9	1.8	.1								4.9	3.9
SW	1.8	3.6	2.2	.2								9.8	3.6
WSW	2.0	3.9	1.1	.1								10.0	4.4
W	4.3	9.0	2.2	.2	.1							16.0	4.8
WNW	2.2	4.2	1.8	.2								8.0	4.9
NW	1.9	2.0	.9	.1								4.9	4.6
NNW	1.6	1.6	.6									3.2	4.3
VARBL													
CALM												19.6	
	22.8	47.3	13.8	1.7	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 1298

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DATA PROCESSING DIVISION
ETAC/USAP
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 JUL

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

0300-0500

GROUP (L.R.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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	.4	.1								3.2	4.4
NNE	.5	1.4	.4	.1								2.6	3.1
NE	.8	1.7	.9	.1								3.5	3.2
NNE	.1	.3	.2	.1								.7	0.2
E	.4	.3	.6	.2								1.8	0.5
ESE	.3	.4	.2	.1								.9	0.2
SE	.8	1.0	.3	.1								2.2	4.6
SSE	1.4	1.4	.9	.2								3.9	4.9
S	2.4	1.8	.7									4.9	4.2
SSW	1.1	1.4	.9	.1								3.7	4.7
SW	1.4	2.2	2.2	.1								7.1	3.6
WSW	2.4	2.2	1.8	.1								9.7	4.9
W	4.0	9.1	2.2	.3								17.6	4.6
WNW	2.1	4.3	.8	.1								8.3	4.2
NW	2.4	2.9	.6	.3								6.3	4.9
NNW	1.1	1.1	.4	.1								2.7	4.4
VARBL													
CALM												21.0	
	24.0	27.0	12.4	2.0								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 1395

8
2
6

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04743 PEASE AFB N H/PORTSMOUTH YEAR 56-70 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.8	.5	.1								3.1	3.1
NNE	.8	1.5	.5	.1								2.9	3.0
NE	.9	1.9	1.1	.1								4.0	3.7
NNE	.7	.9	.5	.1								1.6	6.2
E	.7	.9	.9	.1								2.6	3.6
ESE	.3	.2	.2	.2								1.1	7.2
SE	.9	.9	.2	.1								2.2	4.8
SSE	.6	1.6	.6									2.2	3.3
S	1.8	2.6	1.0	.2								5.1	3.1
SSW	1.6	1.6	1.2	.1								4.4	3.5
SW	1.6	2.6	2.0	.6								7.3	3.6
WSW	2.9	2.8	2.9	.1								12.8	3.1
W	4.6	7.6	2.2	1.1								18.3	3.7
WNW	2.1	2.7	2.1	.6	.1							7.2	3.7
NW	1.9	2.8	1.2	.6	.1	.1						6.7	4.1
NNW	1.0	2.7	.7	.2								4.6	3.2
VARIABLE													
CALM												14.1	
	21.3	22.3	20.8	4.2	.3	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1293

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

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

06762 PEASE AFB N H/PORTSMOUTH

56-70

JUL

ALL WEATHER

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	.9	1.6	1.6	.6								4.1	6.2
NNE	.6	.9	.3									1.9	3.3
NE	.9	1.9	1.9									3.9	6.1
ENE	1.1	.7	1.1	.6								3.4	6.1
E	.6	1.6	2.4	.6								3.2	6.9
ESE	.6	1.6	1.2	.6								4.0	6.1
SE	.6	1.6	1.9	.6								4.5	6.8
SSE	.9	1.9	1.9	.1								4.4	6.2
S	1.2	1.6	1.6	.1	.1							4.6	3.7
SSW	.9	2.1	2.1	.6	.1							3.9	7.2
SW	1.9	4.2	3.3	1.6	.1							11.1	6.6
WSW	1.6	4.2	3.8	1.1	.1							10.9	6.3
W	1.2	4.8	6.2	2.2								14.8	7.4
WNW	.6	1.9	3.3	1.9								6.6	6.4
NW	.6	1.7	2.9	1.6	.6	.1						6.9	7.1
NNW	.6	.6	1.6	.6								3.2	6.0
VARBL													
CALM												6.0	
	13.8	22.8	23.9	11.2	.7	.1						109.0	6.6

TOTAL NUMBER OF OBSERVATIONS

1995

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

06703 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS JUL MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.0	.0	.0								2.0	7.6
NNE	.1	.0	.0									1.1	6.0
NE	.1	.0	1.0	.0	.1							2.3	8.6
NNE	.1	1.1	1.1	.2								2.5	7.2
E	.1	1.2	2.0	.9								5.2	8.2
ESE	.2	2.2	0.0	.7								7.6	7.7
SE	.2	2.2	0.0	2.2								12.5	8.2
SSE	.0	1.0	0.0	2.1	.1							8.8	8.8
S	.0	1.2	2.2	1.1	.1							5.2	8.9
SSW	.2	.0	2.1	1.0		.1						4.9	9.9
SW	.0	2.0	0.0	2.0								9.5	8.2
WSW	.0	2.0	2.7	.7								8.7	7.0
W	.0	2.2	7.0	2.9	.1							16.1	8.7
WNW		1.0	2.9	1.9	.2							6.0	9.9
NW	.1	.0	2.0	2.0	.0	.1						6.3	11.2
NNW		.0	1.0	.0								1.0	9.6
VARBL													
CALM												1.9	
	2.9	20.2	48.8	18.9	1.8	.1						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

56-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.5	.1								1.1	7.1
NNE	.1	.2	.4									.6	6.3
NE	.1	.6	1.1	.1								2.0	7.3
ENE	.1	.9	1.0	.1								2.1	6.3
E	.2	2.1	2.1	.2	.1							3.8	7.4
ESE	.1	1.9	2.9	.3								5.4	7.4
SE	.4	2.8	7.7	2.2								14.1	8.0
SSE	.6	2.8	9.6	2.9	.2							17.3	8.3
S	.6	2.4	3.1	1.7	.2							7.9	8.3
SSW	.2	1.1	1.8	1.6	.1							4.7	9.1
SW	.6	1.6	2.8	1.3	.1							7.3	8.2
WSW	.2	2.1	3.2	1.4								7.3	8.0
W	.1	2.4	6.8	1.8	.1							9.0	8.4
WNW	.1	.9	2.4	1.9	.1							5.4	9.6
NW	.1	.2	1.1	2.2	.9							3.7	11.3
NNW		.2	1.3	.9	.2							2.6	10.5
VARBL													
CALM												1.4	
	9.4	20.8	48.6	18.9	1.9							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 1399

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

56-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	.4	.2								1.8	6.0
NNE	.1	.4		.1								.6	5.3
NE	.5	1.1	1.0									2.6	5.9
ENE	.3	1.4	.9									2.6	5.6
E	.6	2.0	1.1									3.7	5.5
ESE	.7	2.3	.9	.2								4.4	5.8
SE	1.7	3.2	2.1	.2								10.3	5.7
SSE	2.2	7.3	3.3	.7	.1							16.8	5.9
S	2.8	4.4	2.8	.3								10.9	5.4
SSW	1.3	2.2	1.9	1.2								6.7	6.7
SW	1.6	3.0	1.9	.6								7.1	5.8
WSW	.9	2.4	.9	.6	.1							4.9	6.2
W	1.4	2.2	1.1	1.1	.1	.1						7.0	6.6
WNW	.5	2.6	1.2	.6								4.4	6.4
NW	.7	1.6	2.1	1.3	.1							5.9	7.8
NNW		.9	1.3	.6								3.0	6.9
VARB													
CALM												8.0	
	16.8	41.2	28.1	7.8	.9	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

1395

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.4	.1									2.1	4.3
NNE	.0	.9	.1									1.7	4.1
NE	.9	1.6	.6									3.0	4.7
ENE	.7	.6	.1									1.4	3.8
E	.6	1.3	.4									2.3	4.6
ESE	.4	.6	.1	.1								1.2	4.9
SE	1.1	2.3	.9	.1								4.4	5.1
SSE	2.2	2.0	1.3	.1								5.6	4.9
S	2.1	3.7	1.4	.3								7.5	5.2
SSW	2.4	2.5	1.6	.4								7.9	5.1
SW	2.7	4.4	2.7	.4								10.3	5.5
WSW	2.6	3.7	1.7	.2								8.1	5.0
W	2.1	4.3	2.4	.6								12.6	5.2
WNW	.8	2.7	.6	.3								4.4	5.4
NW	1.3	1.8	1.2	.3								4.6	5.5
NNW	.6	1.6	.7	.1								2.9	5.5
VARBL													
CALM												20.0	
	22.4	38.6	16.0	2.9								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 1395

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 36-70 YEARS AUG MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.9	.9									4.6	5.1
NNE	.1	1.4	.7	.1								2.4	6.1
NE	.6	1.1	1.6									3.3	6.2
ENE	.3	.1	.3	.1								.9	6.0
E	.4	.3										.7	3.4
ESE	.1	.1	.1									.3	4.3
SE	.4	.9	.4									1.7	4.8
SSE	.9	1.4	.5	.1								2.9	4.7
S	2.1	2.1	.6									4.7	4.0
SSW	1.3	2.2	.5	.1								4.1	4.7
SW	2.1	3.5	2.6	.1								10.3	5.2
WSW	2.0	4.9	1.3	.2								8.3	4.9
W	3.3	7.0	1.9	.2								12.7	4.8
WNW	2.7	4.0	1.4	.2								8.3	4.8
NW	2.9	4.4	.8	.1								8.2	4.2
NNW	1.1	2.4	.6									4.2	4.7
VARBL													
CALM												22.4	
	21.4	60.6	14.2	1.4								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 1395

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

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

56-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.6	.9	.1								4.7	3.0
NNE	.6	.9	1.1	.2								2.8	6.3
NE	.6	.6	1.9	.1								3.3	6.9
ENE	.1	.6	.6									1.3	6.1
E	.3	.1										.4	3.4
ESE	.1	.1										.2	3.0
SE	.6	.6	.6									1.5	4.7
SSE	.6	1.3	.6									2.3	4.7
S	1.9	1.9	.6									4.2	3.9
SSW	1.6	1.6	.6	.1								3.9	4.7
SW	2.2	3.1	.9	.1								3.2	4.6
WSW	2.2	3.7	1.6									9.5	4.7
W	4.6	7.7	2.6	.4								16.9	4.6
WNW	2.9	4.1	1.2	.3								8.5	4.6
NW	2.3	3.7	.6	.2								7.0	4.4
NNW	1.4	2.3	.7	.1								4.8	4.7
VARBL													
CALM												22.3	
	23.2	39.1	13.5	1.7								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

1395

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 AUG
STATION NUMBER STATION NAME YEARS MONTH
 ALL WEATHER 0600-0600
CLASS HOUR (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.1	1.2	.1								5.7	5.4
NNE	1.0	1.0	1.2	.2								4.1	5.8
NE	.9	1.0	1.0	.9	.1							4.3	7.1
ENE	.9	.5	.4	.1								1.4	6.3
E	.2	.7	.1	.1								1.1	5.4
ESE	.1	.4										.3	4.7
SE	.9	.5	.3	.3								1.6	5.7
SSE	.9	1.1	.5									2.2	5.0
S	1.1	1.0	.6									3.4	4.6
SSW	1.0	1.5	.6	.1								3.2	5.0
SW	1.0	3.7	2.0	.9								7.7	5.6
WSW	2.8	1.0	2.7	.1								11.6	3.1
W	6.2	8.7	9.1	.6								17.6	5.3
WNW	2.2	3.3	1.8	.9								8.2	5.7
NW	2.6	3.0	1.9	.9								8.0	5.4
NNW	1.7	2.4	1.2	.1								3.4	4.9
VARBL													
CALM												19.6	
	22.0	29.9	20.6	6.1	.1							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH

56-70

AUG

ALL WEATHER

0900-1100

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.8	.8	.1								3.3	3.4
NNE	.6	1.1	.7	.2								2.7	3.9
NE	.6	1.6	2.1	.7								5.1	7.1
ENE	.6	1.4	1.0	.8								3.8	7.0
E	.2	1.6	1.6	.1								3.3	6.3
ESE	.8	1.1	.8	.1								2.8	3.4
SE	.6	1.6	1.9	.6								4.2	6.9
SSE	.5	1.1	1.1	.3								3.0	6.3
S	1.1	1.3	.9	.3								3.8	3.9
SSW	.8	1.2	1.6	.6								3.8	6.4
SW	1.7	4.6	6.0	1.0								11.1	6.3
WSW	1.8	6.2	3.7	1.1								12.8	6.3
W	1.7	5.9	6.2	2.0								13.8	7.1
WNW	.8	1.6	2.3	1.9	.2							6.3	8.9
NW	.1	1.2	2.8	1.3	.4							5.3	3.2
NNW	.8	1.6	1.6	1.0	.1							4.9	7.8
VARBL													
CALM												7.1	
	12.3	26.7	22.7	11.5	.7							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1295

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH

56-70

AUG

ALL WEATHER

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	.9	.1	.1							2.2	6.9
NNE	.2	.3	.6	.6								1.5	6.3
NE	.2	.6	1.0	.6								2.4	6.4
ENE	.1	.9	.8	.6								2.2	7.6
E	.2	1.4	2.7	.6								4.9	7.7
ESE	.4	1.8	2.8	.7								5.7	7.6
SE	.7	2.3	7.0	2.2	.1							12.4	6.2
SSE	.9	1.8	4.7	1.7	.1							8.5	6.7
S	.9	1.1	2.0	1.1								4.8	6.2
SSW	.1	.9	1.4	1.1								3.6	6.4
SW	.6	2.7	4.4	1.9								10.3	7.3
WSW	.9	3.0	4.7	1.7								10.4	7.6
W	.6	2.6	6.2	2.8	.3							13.8	6.6
WNW	.4	.8	2.7	1.9	.3							6.0	7.7
NW	.3	1.1	2.1	2.8	.3	.1						6.3	10.3
NNW		.4	1.1	.9	.9							2.4	10.1
VARBL													
CALM												1.6	
	6.2	25.2	48.2	20.0	1.7	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1895

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS AUG MONTH
 ALL WEATHER CLASS 1900-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.7	.6		.1						1.7	9.0
NNE	.1	.3	.6	.1								.9	7.6
NE	.1	.6	1.4	.3								2.4	8.0
NNE	.1	.6	.7	.3								1.6	7.6
E	.6	1.1	2.2	.2								3.8	6.8
ESE	.3	1.7	2.6	.2								4.6	6.8
SE	.3	2.9	7.8	2.6								14.6	8.2
SSE	.6	2.7	8.8	2.3	.1							16.3	8.4
S	.6	2.3	3.8	1.9	.1							8.6	8.4
SSW	.6	1.1	1.1	.6								3.4	6.9
SW	.6	2.9	3.6	1.0	.1	.1						8.3	7.3
WSW	.6	2.7	6.1	.8								7.7	7.3
W	.6	1.9	6.6	1.8								8.3	8.4
WSW	.2	.9	2.6	2.1	.9							6.1	10.2
W	.3	1.1	3.2	1.6	.1	.1						6.3	9.2
WSW	.3	.3	1.6	1.2	.1	.1						3.4	10.6
VARS													
CALM												1.4	
	4.8	28.8	48.8	18.2	.9	.3						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 1399

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 AUG

ALL WEATHER

1800-2000

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	.3	.1	.2							2.2	7.1
NNE	.0	.3	.2									1.1	4.3
NE	.0	1.3	1.2	.3								3.4	6.3
NNE	.0	.0	.9	.3								2.2	6.7
E	.7	1.1	.8	.1								2.7	5.4
ESE	.0	1.0	.0									2.7	5.0
SE	1.0	2.3	2.8	.1								7.6	5.7
SSE	2.2	0.7	0.7	.7	.1							15.4	5.8
S	2.1	2.0	2.7	.0								12.8	5.5
SSW	1.0	2.0	1.0	.1								5.6	5.4
SW	1.3	2.7	1.0	.3								6.2	5.5
WSW	2.1	2.3	.8	.1								5.5	4.5
W	1.3	2.7	1.0	.0								5.6	5.6
WNW	.0	2.0	1.0	.0								3.2	6.2
NW	.0	2.2	1.0	.0	.1							3.9	6.0
NNW	.0	1.0	1.7	.7	.1							4.4	7.4
VARBL													
CALM												11.1	
	18.9	22.8	22.7	4.9	.9							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1999

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763 PEASE AFB N H/PORTSMOUTH

56-70

AUG

ALL WEATHER

2100-2300

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	.8	.1								3.7	3.1
NNE	.7	1.3	.6	.1								2.7	3.0
NE	.6	1.1	1.0	.2								2.8	3.1
ENE	.4	1.2	.4									2.1	3.4
E	.5	1.0	.2									1.7	4.3
ESE	.2	.2										.4	3.8
SE	.4	.4	.4	.3								2.1	3.9
SSE	1.9	2.1	.6	.1								4.8	4.4
S	2.3	2.7	1.6	.1								7.6	4.8
SSW	1.9	2.6	1.8									6.1	3.2
SW	2.9	2.2	2.9	.2								11.2	3.2
WSW	2.0	4.9	1.0									7.9	4.6
W	2.3	4.4	1.3	.6								9.6	4.7
WNW	1.6	2.2	.9	.3								3.9	3.1
NW	1.6	2.8	1.6	.2								3.9	3.4
NNW	1.1	2.1	1.1	.1								4.4	3.1
VARBL													
CALM												21.9	
	22.1	22.4	14.0	2.1								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 1899

C
2
C

DATA PROCESSING DIVISION
ETAC/USAP
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PRASE AFB N H/PORTSMOUTH
STATION NAME

56-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

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	1.4	2.2	1.4	.1								6.2	2.2
NNE	1.1	2.2	1.4	.1								5.0	2.7
NE	1.0	1.4	.7	.1	.1							2.2	2.8
ENE	.6	.7	.1	.2								1.6	2.2
E	.1	.4	.4	.1								1.0	6.8
ESE		.6	.1	.1								.8	7.2
SE	.2	.8	.4	.2	.1							1.2	8.0
SSE	.4	1.0	.8	.2								2.2	6.2
S	1.4	1.4	.4									2.6	4.2
SSW	1.0	2.4	1.2	.1								4.7	2.2
SW	1.4	2.2	1.9	.7								7.6	2.9
WSW	1.4	2.2	1.0	.2		.1						8.2	2.1
W	2.2	2.2	2.6	.8								12.8	2.2
WNW	2.7	2.7	1.0	.4								7.9	4.8
NW	2.2	2.1	1.4	.4								8.2	4.8
NNW	1.4	2.7	1.2									2.4	4.9
VARB													
CALM												19.8	
	21.1	22.7	16.4	2.7	.2	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 1290

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763 PRAXE AFB N H/PORTSMOUTH 56-70 SEP
STATION STATION NAME YEAR MONTH
ALL WEATHER 0300-0500
CLASS MOON (L.E.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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	3.3	1.4	.3								6.4	5.3
NNE	1.3	2.7	1.8	.1								5.9	5.6
NE	.7	1.0	1.0	.2	.1							3.1	7.0
ENE	.4	.5	1.0	.2								2.1	6.7
E	.2	.1	.3	.2								1.0	7.3
ESE	.1	.2	.1									.5	4.9
SE	.1	.1	.1	.1								1.1	6.3
SSE	.2	1.0	.3	.2								2.6	5.4
S	.2	1.6	.9	.1								3.4	3.1
SSW	1.1	1.1	1.0									3.6	3.1
SW	1.6	3.0	1.8	.4								6.7	3.6
WSW	1.2	2.9	1.2	.1								6.3	3.0
W	3.9	7.3	1.0	.2								14.3	3.1
WNW	4.1	3.9	1.4	.1								9.6	4.4
NW	2.0	3.7	1.4	.1								3.3	4.7
NNW	2.1	2.3	.3									2.1	4.1
VARS													
CALM												19.6	
	22.9	37.1	17.6	2.6	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 1330

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

08762 PRASE APB N H/PORTSMOUTH 56-70 SEP
STATION NAME YEAR 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	1.0	2.3	1.9	1.0								6.2	6.8
NNE	.4	2.2	1.4	.6	.1							4.7	6.9
NE	.2	2.1	2.0	1.1	.1	.1						6.5	8.1
ENE	.8	1.3	2.1	.3	.1	.1						3.9	7.7
E	1.0	1.7	1.8	.4	.1							3.0	6.6
ESE	.2	.9	.8	.1	.1							2.1	6.9
SE	.4	1.3	.7	.1	.1							2.3	6.1
SSE	.3	.7	1.3	.3	.1							2.7	6.9
S	.7	1.3	1.7	.2	.1							4.1	6.3
SSW	1.2	1.6	1.2	.4								4.3	6.1
SW	1.3	2.0	2.6	.9	.1							9.1	6.8
WSW	1.7	2.2	4.3	.8								10.1	6.3
W	1.6	2.0	4.7	2.0	.2	.1						11.8	7.6
WWW	.7	1.2	2.2	1.9	.1							6.0	6.3
NW	.7	1.7	2.2	2.7	.8							8.6	9.1
NNW	.8	.4	1.2	1.3	.1							3.6	9.2
VARBL													
CALM												6.7	
	13.8	27.7	28.1	14.3	1.3	.4						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1380

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04763 STATION NAME PEASE AFB N H/PORTSMOUTH YEAR 56-70 MONTH SEP
 ALL WEATHER
 HOURS (L.S.T.) 1200-1400
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	1.3	.6								2.7	8.5
NNE	.2	.3	1.0	.6								2.1	8.2
NE	.1	1.8	1.7	1.6	.1	.1						5.5	9.1
ENE	.2	1.3	2.1	.4	.1	.2						4.4	8.9
E	.7	2.7	2.0	.7								7.2	7.0
ESE	.6	2.3	2.8	.6								7.1	7.2
SE	.9	2.7	2.8	1.1	.1							8.1	7.3
SSE	.6	2.0	2.3	2.0	.1							9.0	8.6
S	.2	1.0	1.4	1.2	.1							3.9	8.8
SSW	.4	.6	1.3	1.3								3.7	8.9
SW	.6	2.3	2.8	1.3	.1							7.9	8.1
WSW	.6	2.1	2.3	.9	.1	.1						6.8	8.0
W	.6	2.8	2.2	2.6	.9	.1						10.4	8.9
WNW	.3	1.3	2.4	2.2	.1							6.4	9.3
NW	.3	1.3	2.3	2.6	.2							8.7	10.2
NNW	.6	.6	1.2	1.2								3.3	8.7
VARL													
CALM												2.7	
	8.9	25.9	42.1	21.3	1.6	.6						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1390

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763 PEASE AFB N H/PORTSMOUTH 56-70 SEP

ALL WEATHER

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.0	.4								2.1	8.9
NNE	.1	.7	1.0	.4								2.3	7.9
NE	.4	1.3	1.6	1.0		.1						4.3	8.3
ENE	.3	1.0	1.3	.4	.1	.1						3.3	8.4
E	.4	2.1	2.3	.2		.1						3.2	7.0
ESE	.4	2.3	2.0	.2								6.2	6.6
SE	1.2	3.3	4.8	.8			.1					14.2	6.8
SSE	1.2	2.0	3.7	2.1	.1							12.1	7.8
S	.8	2.3	2.6	1.1								6.7	7.6
SSW	.4	1.3	1.9	.8	.1							4.3	8.0
SW	1.0	1.9	2.0	.7	.1							5.8	7.1
WSW	.4	2.1	2.0	.7								5.2	7.1
W	.2	2.3	3.3	1.3	.1	.1						7.6	8.4
WNW	.4	1.2	2.1	1.6	.2							3.4	8.8
NW	.4	1.6	4.0	2.9	.2							9.1	9.4
NNW	.1	.9	1.3	1.1	.2							3.2	10.3
VARBL													
CALM												2.7	
	7.5	20.3	41.8	16.0	1.3	.4	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1380

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04743 PEASE AFB N H/PORVSMOUTH STATION NAME 56-70 YEARS SEP MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.9	.5	.2								2.9	6.0
NNE	.7	1.1	.9	.4								3.1	6.4
NE	.9	1.7	1.6	.5	.1							4.8	6.8
ENE	.7	1.0	.7	.1								2.4	5.4
E	.8	1.1	.4	.1	.1							2.6	5.9
ESE	.7	1.9	.4	.1								3.0	4.8
SE	2.0	4.9	1.3	.1								7.9	4.8
SSE	2.2	3.0	2.0	.3			.1					10.7	5.3
S	2.5	3.8	2.3	.3	.1							9.0	5.5
SSW	1.3	1.8	1.6	.4								4.8	5.9
SW	1.9	2.6	1.6	.4				.1				6.6	5.8
WSW	1.3	1.9	1.3	.2								4.7	5.3
W	1.5	3.2	1.8	.1								6.3	5.2
WNW	1.1	2.7	1.8	.4								6.1	5.9
NW	1.1	2.1	2.2	.3								3.8	6.2
NNW	.2	1.3	1.6	.3	.1							3.5	7.4
VARBL													
CALM												15.9	
	20.1	37.3	21.6	6.3	.9		.1	.1				100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1390

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS SEP MONTH 2100-2300 HOUR (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	1.6	.1								5.3	5.3
NNE	1.2	1.9	1.3	.1								4.9	5.7
NE	.7	1.5	1.0	.2	.1							3.4	6.3
ENE	.6	.5	.1	.1								1.4	4.8
E	.3	.6	.4	.3	.1							1.7	7.7
ESE	.7	.4	.1									1.3	3.5
SE	.9	.6	.7	.1								2.3	5.5
SSE	.8	.6	.9	.2								2.6	5.9
S	1.4	3.0	1.1	.3								5.8	5.2
SSW	1.3	2.8	1.9	.3	.1							6.0	6.0
SW	2.5	3.3	2.1	.4		.1						9.6	5.2
WSW	2.3	2.4	2.1	.4			.1					7.3	6.0
W	3.0	4.8	2.2	.1								10.1	5.0
WNW	1.6	2.5	1.0	.2	.1							3.3	5.1
NW	1.4	3.0	1.0	.4								5.9	5.5
NNW	1.4	2.4	1.7	.1								3.6	5.3
VARBL													
CALM												21.9	
	22.4	32.5	19.0	3.7	.4	.1	.1					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 1390

DATA PROCESSING DIVISION
 ETAC/USAP
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS OCT MONTH 0000-0200 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.4	1.8	.1								5.1	6.1
NNE	.4	1.6	2.3	.5								4.8	7.2
NE	.4	1.5	.9	.9	.1							3.8	7.7
ENE	.4	.5	.7	.5	.2							2.4	8.5
E	.1	.4	.1	.2		.1						.9	8.7
ESE	.1	.6	.2									.9	5.1
SE	.4	.4	.2	.4								1.5	7.3
SSE	.5	.9	.5	.4								2.2	6.5
S	1.1	1.9	.5	.1								3.6	4.6
SSW	1.1	1.9	.4	.1								3.6	4.8
SW	2.2	4.4	1.7	.3								8.6	5.2
WSW	2.0	4.9	1.6	.1								9.6	4.8
W	4.2	7.6	2.5	.6								14.8	5.1
WNW	2.1	2.9	2.5	1.2	.2							9.0	6.9
NW	1.6	2.2	2.2	.6	.1							7.7	6.2
NNW	.9	1.6	.8	.4	.1							3.8	6.3
VARBL													
CALM												17.7	
	19.4	24.3	18.9	4.4	.8	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1395

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH

56-70

OCT

ALL WEATHER

0100-0500

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.6	1.3	.1	.1							5.2	3.5
NNE	.7	1.6	2.5	.4								5.3	6.9
NE	.2	1.5	1.9	1.2	.2							3.2	8.6
ENE	.4	.8	.4	.4								1.9	7.2
E	.1	.4	.2	.2								1.1	7.8
ESE	.1	.4	.1									.6	3.3
SE	.4	.4	.4	.2								1.5	6.6
SSE	.7	.4	.3	.2								1.9	6.1
S	1.0	1.4	.1	.5								3.0	3.6
SSW	.7	1.2	.2	.1								2.4	4.2
SW	1.4	2.1	1.6	.2								6.6	3.4
WSW	2.4	2.7	1.7	.4								8.2	3.3
W	4.9	8.0	4.9	.2								18.1	3.2
WNW	2.2	2.9	2.8	1.1	.2							10.0	6.4
NW	1.2	2.9	1.2	.6	.2							7.5	6.1
NNW	1.4	2.0	.4	.4								4.2	4.9
VABL													
CALM												16.8	
	19.5	35.3	20.8	4.7	.8							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS OCT MONTH
 ALL WEATHER CLASS 0600-0800 HOUR (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.9	1.8	.1	.3							6.4	6.0
NNE	.6	2.6	2.2	.9								6.2	7.0
NE	.3	1.2	2.1	1.1	.1							3.0	8.3
ENE	.3	.9	.6	.4								2.2	6.9
E	.1	.1	.1									.4	3.3
ESE	.1	.2	.2	.2								.7	8.0
SE	.4	.2	.4	.4	.2							1.6	8.4
SSE	.4	.3	.4		.1							1.4	3.3
S	1.4	1.6	.9	.4								4.0	3.3
SSW	.6	1.0	.6	.1								2.2	3.2
SW	1.6	2.2	1.3	.3	.1							3.3	3.3
WSW	1.3	4.0	1.3	.2								7.9	3.4
W	3.2	7.6	4.6	1.6								19.1	3.6
WNW	3.2	3.2	2.7	1.3	.4							10.9	6.8
NW	2.4	2.3	2.4	1.3	.1							9.0	6.6
NNW	1.2	1.3	.3	.4								3.7	3.2
VARS													
CALM												14.0	
	21.1	22.1	22.6	9.0	1.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 1393

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

50-70
YEARS

0CT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.4	1.3	.6	.1	.1						4.4	7.1
NNE	1.1	1.9	1.3	.8								5.1	6.6
NE	.5	1.4	2.3	1.4								5.6	8.1
NNE	.5	.9	1.8	.9								4.2	8.0
E	.9	.9	1.2	.5								3.4	6.7
ESE	.4	1.2	.6	.1								2.1	5.2
SE	.4	.1	.6	.3	.1	.1						1.7	8.3
SSE	.5	.7	1.1	.3								2.4	7.4
S	1.0	1.6	1.0	.7								4.2	6.4
SSW	1.2	1.4	.8	.8								3.9	5.7
SW	1.4	2.2	1.7	.7	.1	.1						7.3	6.2
WSW	1.3	3.4	2.9	1.1								9.0	6.6
W	1.9	4.0	4.6	2.7	.3	.1						13.3	8.0
WNW	.3	.9	2.7	4.4	1.1	.1						9.8	11.3
NW	1.4	1.7	3.7	3.6	.3	.6						11.0	9.6
NNW	.7	.9	.8	1.1	.4	.1						4.0	9.4
VARB													
CALM												8.6	
	14.4	25.8	28.2	19.4	2.5	.9						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

1898

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 OCT
STATION STATION NAME YEAR MONTH
 ALL WEATHER 1200-1400
CLASS HOUR (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.1	.8	.8	.1							2.9	9.0
NNE	.2	.6	.9	.6	.6							2.3	8.7
NE	.3	.8	1.7	1.1	.1							3.7	9.1
ENE	.4	.9	1.8	1.2	.1							3.9	8.6
E	.7	2.3	2.2	.4								5.7	6.6
ESE	.3	2.4	1.4	.3								4.3	6.6
SE	.3	1.9	2.8	1.1	.1	.1						7.3	8.4
SSE	.4	1.9	2.9	1.1								6.2	8.1
S	.7	1.4	1.7	.9	.1							4.9	7.9
SSW	.3	1.1	1.9	1.2	.1							4.8	8.3
SW	.9	2.8	1.9	1.3								6.8	7.3
WSW	.3	2.7	2.2	1.3	.1							8.0	7.9
W	.8	2.2	4.2	2.6	.9							12.4	9.1
WNW	.2	.9	2.2	2.7	.1	.2	.1					8.1	12.0
NW	.4	.8	4.4	4.2	.1	.2						10.8	11.2
NNW	.3	.9	1.3	1.8	.1							3.9	10.1
VARBL													
CALM												3.7	
	7.0	25.0	22.9	20.5	3.4	.2	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 1394

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH

56-70

QCT

ALL WEATHER

1500-1700

SPEED (KNTS) DIR.	1-3	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		.1						2.0	6.3
NNE	.6	.6	1.0	.3	.1							2.6	7.1
NE	.3	.6	1.3	.7								2.9	6.1
ENE	.4	1.0	.9	.7	.2							3.2	6.2
E	1.0	1.9	2.3	.3								3.5	6.3
ESE	.8	2.0	1.8	.6								3.2	6.0
SE	.6	6.7	6.8	.7								10.8	6.7
SSE	1.3	6.9	6.6	1.6	.1							12.3	6.9
S	.6	2.0	2.7	1.0	.1							6.4	7.3
SSW	.6	1.6	.9	.3	.1							3.7	6.8
SW	.7	1.7	1.8	.6	.1	.1						3.0	7.1
WSW	.9	1.6	1.8	.3	.1							4.9	6.8
W	1.1	1.9	6.2	2.2	.3							9.7	6.6
WNW	.3	1.3	1.7	2.6	.3	.3						9.1	10.1
NW	.3	2.0	2.7	2.6	.1	.1						10.0	9.3
NNW		.1	.6	1.3	.1							3.2	10.4
VARL													
CALM												3.4	
	16.0	20.3	20.8	17.3	1.9	.8						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1298

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

04763 PEASE AFB N H/PORTSMOUTH

56-70

UCT

ALL WEATHER
CLAS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	1.2	.3								3.0	6.5
NNE	.3	.9	1.0	.3								2.7	6.8
NE	.9	1.0	1.7	.6	.1							4.4	7.5
ENE	.8	.8	.9	.3	.1							3.1	6.9
E	.4	.8	1.0	.3	.1							2.7	7.5
ESE	.8	.9	.4	.1								2.1	4.3
SE	1.0	2.2	.9	.1								4.5	5.2
SSE	2.2	4.2	1.1	.6	.1							8.2	5.2
S	2.1	4.9	2.0	.1								9.0	5.0
SSW	2.2	2.0	.9	.9								5.9	5.7
SW	2.1	2.0	1.1	.6								6.8	5.4
WSW	1.1	1.9	1.0	.2								4.3	5.5
W	2.9	6.2	2.6	.3	.1							9.7	5.7
WNW	1.1	2.2	1.6	.3	.4	.1						7.2	7.8
NW	1.1	2.3	2.6	.7	.3	.1						7.1	7.3
NNW	.3	1.6	.8	.3	.3							3.7	6.1
VARBL													
CALM												15.6	
	17.9	24.1	21.7	7.9	1.3	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 ETAC USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 DCT
STATION STATION NAME YEARS MONTH
ALL WEATHER 2100-2300
CLASS MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	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	1.0	.8	.6								3.9	3.6
NNE	.6	1.1	1.2	.7								4.1	7.6
NE	.8	1.7	1.6	.6	.1							4.6	7.5
ENE	.6	.8	.6	.6	.1							2.0	7.1
E	.1	.6	.6	.6	.1							1.4	6.8
ESE	.1	.8	.1	.1								.9	3.7
SE	.6	.8	.8	.8								2.2	6.0
SSE	.7	1.7	.7	.1								3.4	3.4
S	1.7	1.9	.8	.1								4.4	4.7
SSW	1.6	1.8	.8	.6								4.4	3.3
SW	2.0	2.6	1.6	.6								6.6	3.3
WSW	2.2	2.6	1.2	.6	.1							7.9	3.1
W	2.7	4.8	2.0	.6	.1							14.0	3.3
WNW	1.8	2.7	1.2	1.6	.1							7.7	7.1
NW	2.7	2.1	1.2	.7	.1							8.9	3.7
NNW	1.0	1.3	1.0	.8	.1							2.7	6.2
VARBL													
CALM												18.6	
	21.6	22.6	17.7	7.6	1.0							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1399

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

DATE: 0470 STATION NAME: PRASE AFB N H/PORTSMOUTH YEAR: 56-70 MONTH: NOV
 CLASS: ALL WEATHER HOUR (L.S.T.): 0000-0200
 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	2.6	2.0	.5	.1							7.0	0.4
NNE	.8	2.3	2.1	.6								3.7	0.6
NE	.9	1.0	1.1	.8	.1							3.3	0.1
NNE	.6	.2	.6	.3	.1							1.9	7.9
E	.6	.7	.7	.7	.1							2.7	7.4
ESE	.6	.1	.1	.2								.8	0.3
SE	.6	.7	.2	.6								1.7	0.8
ESE	.6	1.3	.7	.2	.1							2.0	0.9
S	1.0	1.9	1.0	.1								3.9	3.3
SSW	1.2	1.8	.3	.6								3.3	3.3
SW	1.2	2.8	1.6	.6								6.0	0.0
WSW	1.9	2.0	1.3	.3	.1							6.5	3.2
W	2.6	0.6	1.9	1.6	.1	.1						10.9	0.3
WW	1.8	0.2	2.9	2.0	.2							11.1	7.2
WNW	1.8	2.9	2.7	1.1	.2							9.3	0.8
WNW	1.9	1.3	1.3	.3	.1							6.3	3.7
VARL													
CALM												13.9	
	17.2	28.3	22.0	10.6	1.2	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 1390

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

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

09743 PEASE AFB N H/PORTSMOUTH

36-70

NOV

ALL WEATHER

0300-0500

CONDITION

SPEED (KNTS) DNL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.8	1.8	.9								6.3	6.3
NNE	.5	1.7	2.9	.7								5.8	7.2
NE	.9	1.6	.6	1.0								3.6	7.2
NNE	.9	.8	1.3	.4	.1							3.1	7.3
E	.9	.4	.4	.9	.2							2.0	9.3
ESE		.2	.2	.1	.1							.6	7.6
SE	.7	.8	.3	.3	.1							1.9	6.8
SSE	.9	1.3	.4	.1	.9	.1						2.7	7.6
S	.9	1.8	1.0	.1								3.2	5.6
SSW	1.1	1.3	.4	.1								3.1	4.8
SW	1.0	2.2	1.4	.3	.1							5.3	6.2
WSW	2.0	2.1	1.4	.2								6.7	5.1
W	2.2	6.0	2.7	1.2	.4							14.3	6.4
WNW	1.6	4.3	2.4	2.2	.1							10.8	7.3
NW	1.7	2.1	1.6	1.6	.1	.2						8.1	7.3
NNW	.7	2.0	1.6	1.1								5.4	7.1
VARBL													
CALM												16.6	
	16.8	22.3	21.0	10.8	1.8	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

1390

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763 PEASE AFB N H/PORTSMOUTH

56-70

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

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	1.1	1.9	2.2	.8								6.1	6.7
NNE	.6	2.1	2.0	1.0	.1							6.7	7.9
NE	.4	1.0	1.1	.6	.1							3.2	7.7
ENE	.2	1.0	.7	.7	.2	.1						2.9	9.2
E	.2	.7	.9	.2	.2	.1						2.4	9.3
ESE	.1	.4	.1	.1			.1					.9	8.0
SE	.2	.7	.4	.2	.2	.1						1.8	9.1
SSE	.4	.7	.2	.1	.1							1.9	6.7
S	.7	1.4	.6	.2	.1	.1						3.2	6.7
SSW	1.1	1.6	.2	.1								2.2	2.0
SW	1.6	2.1	1.8	.2								5.8	2.7
WSW	1.7	2.1	2.6	.4								7.9	6.0
W	2.2	2.9	2.9	1.2	.1							12.4	6.2
WNW	2.4	2.0	2.2	2.1	.1	.1						10.2	7.2
NW	2.6	2.2	2.6	1.7	.2	.1						10.2	7.2
NNW	1.1	1.9	.9	.6								4.2	2.7
VARBL													
CALM												12.6	
	16.7	20.9	24.0	10.4	1.4	.2	.1					100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 1280

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 NOV 0900-1100
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.4	1.7	1.1	.1							6.4	7.1
NNE	.2	2.1	2.5	1.2	.3							7.4	8.4
NE	1.0	1.2	1.6	1.0	.1							4.8	7.3
ENE	.7	.5	1.0	.9	.1	.1						3.4	9.3
E	.5	.7	.6	.4	.3							2.5	8.3
ESE	.4	.4	.7	.4	.2	.1						2.1	9.4
SE	.1	.2	.9	.2	.1	.1						1.6	10.1
SSE	.2	.4	1.0	.1								1.8	7.3
S	.3	1.6	1.2	.4	.1	.1						3.8	8.0
SSW	.7	1.2	1.1	.4								3.3	6.5
SW	.9	2.1	1.9	.4	.1							5.6	6.7
WSW	1.4	2.1	2.8	1.2	.1		.1					7.9	7.5
W	1.4	2.6	2.2	2.7	.3	.1						13.6	8.2
WNW	.6	1.7	2.9	3.6	.9	.1						9.4	10.2
NW	1.5	1.9	3.3	4.0	1.2							12.1	9.8
NNW	1.2	1.7	1.8	.9	.2							5.9	7.1
VARBL													
CALM												8.4	
	12.7	23.9	21.5	19.1	2.9	.6	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1390

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS NOV MONTH
 ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.4	1.7	1.3								5.1	7.6
NNE	.4	1.3	2.4	1.2	.2							5.7	8.4
NE	.2	1.1	1.9	.8	.1	.1						4.3	8.3
ENE	.4	1.1	1.2	.7	.2	.1						3.7	8.9
E	.6	.7	1.2	.6	.4	.1						3.6	9.1
ESE	.6	1.7	.7	.2								3.3	6.1
SE	.4	1.3	1.4	.1								3.4	6.1
SSE	.4	1.0	2.1	.4	.1	.1						4.3	6.3
S	.4	2.1	1.9	.4								4.7	6.8
SSW	.4	1.1	1.2	.7								3.5	7.7
SW	1.0	1.9	2.2	.7		.1						3.9	7.3
WSW	1.0	2.4	2.8	1.3	.1							8.6	7.4
W	1.1	2.4	4.1	4.1	.6	.1	.1					12.3	9.3
WNW	.7	1.4	2.5	4.8	.8	.1	.1					11.4	10.8
NW	.2	.9	2.4	4.7	1.0	.1						10.6	11.6
NNW	.4	1.0	1.3	1.6	.2	.1						4.6	9.9
VARBL													
CALM												4.8	
	9.0	24.2	22.2	22.8	3.9	1.0	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 1390

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS NDV MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	1.6	.3	.1							3.8	7.2
NNE	.4	1.4	1.8	.8								4.4	7.6
NE	.4	1.3	1.1	1.0	.1	.1						4.1	8.7
ENE	.7	.9	.9	.4	.1	.2						3.2	8.2
E	.4	2.1	1.1	.7								4.4	6.9
ESE	1.1	1.7	1.3	.3	.1							4.5	5.8
SE	1.3	2.7	1.4	.1	.1							3.6	5.6
SSE	1.1	2.8	2.1	.4								6.3	6.3
S	1.1	2.0	1.0	.7								4.8	6.0
SSW	.6	1.5	1.0	.4								3.3	6.3
SW	1.1	2.1	1.4	.1	.1	.1						3.0	6.3
WSW	.9	1.3	1.6	.3								4.1	6.3
W	.9	2.9	2.7	3.1	.1							10.7	8.5
WNW	.7	2.9	2.0	4.1	.3	.2						13.4	9.6
NW	.4	1.7	4.4	3.8	.3							10.8	9.9
NNW	.4	.8	1.6	1.7	.1							4.7	9.4
VARBL													
CALM												6.7	
	11.9	29.3	31.2	18.4	1.9	.7						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1390

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04743 PEASE AFB N H/PORTRSMOUTH STATION NAME 36-70 YEARS NOV
MONTH 1800-2000
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.0	2.1	1.1	.2							6.0	8.0
NNE	.7	2.1	1.5	.3	.1							4.7	6.7
NE	.5	1.3	1.5	.5								3.9	7.0
ENE	.7	1.0	.7	.7	.1							3.1	7.6
E	1.0	.5	.9	.2	.1							2.7	6.0
ESE	.4	.5	.1	.4	.1							1.6	7.5
SE	1.0	.9	.6	.2		.1						2.7	5.8
SSE	1.3	1.8	1.1	.5	.2							4.9	6.5
S	2.5	2.8	1.1	.4								6.8	4.9
SSW	.7	2.3	1.0	.4	.1							4.5	6.5
SW	1.7	1.9	1.6	.3	.1							3.6	5.9
WSW	1.3	1.3	1.6	.7	.1		.1					3.0	7.3
W	2.4	4.3	3.2	1.2	.1							11.1	6.4
WNW	1.4	3.3	4.0	1.5	.1							10.4	7.4
NW	.9	2.6	3.3	2.0	.2							8.8	8.1
NNW	.1	1.7	.9	.9	.2							3.9	6.5
VARL													
CALM												14.3	
	17.2	30.1	28.0	11.3	1.9	.1	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1390

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 NOV
STATION STATION NAME YEARS MONTHS
 ALL WEATHER 2100-2300
CLAS 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	≥ 56	%	MEAN WIND SPEED
N	1.3	3.4	2.1	.6	.1							7.6	6.3
NNE	.9	1.3	1.7	.4	.1							4.4	6.8
NE	.5	1.8	1.1	.7								4.1	7.1
ENE	.3	1.0	.7	.2	.1							2.5	7.5
E	.4	.8	.5	.4								2.2	7.0
ESE	.1	.3		.4	.1							1.0	6.8
SE	.4	.2	.1	.4								1.0	7.1
SSE	.7	1.2	.9	.3	.1							3.4	7.1
S	1.6	2.3	1.5	.2								3.6	5.3
SSW	1.4	1.9	.7	.4								4.4	3.3
SW	1.2	2.1	1.9	.5								6.7	3.8
WSW	1.0	2.3	2.1	.6								7.7	6.2
W	2.4	3.3	2.8	1.0								11.5	5.9
WNW	1.0	2.8	2.9	1.8	.4	.1						9.6	7.8
NW	1.3	3.4	3.4	1.3								9.5	6.9
NNW	.7	2.1	1.0	.7	.2							4.8	7.7
VARB													
CALM												14.8	
	15.2	33.0	23.5	10.1	1.3	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1390

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04743 STATION PEASE AFB N H/PORTSMOUTH 56-70 YEARS DEC

ALL WEATHER
CLAS

0000-0200
MOON (L.V.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.9	2.7	1.3	.1							8.2	7.3
NNE	.1	1.4	2.8	1.9	.2							6.5	9.3
NE	.6	1.1	.9	.6	.1							2.3	7.7
ENE	.1	.6	.2	.4								1.3	8.6
E	.9		.2									.6	3.3
ESE	.1	.1	.1									.3	3.3
SE	.2	.2		.1								.9	4.7
SSE	.1	.2	.2	.2								1.6	6.5
S	.9	.7	.6	.1								1.8	3.9
SSW	.7	.9	.9	.6								2.8	6.0
SW	1.6	2.7	2.6	.2								7.2	6.0
WSW	1.0	2.8	1.6	1.1	.1	.1						7.2	6.7
W	2.8	2.9	2.6	2.6	.9	.1						12.1	7.4
WW	2.1	6.2	2.8	2.9	.9	.1	.1					12.6	6.2
NW	2.0	2.2	2.3	1.8	.2							9.7	7.2
NNW	1.0	2.2	1.9	.6	.2							5.9	6.8
VARBL													
CALM												13.9	
	16.8	20.8	22.7	14.1	2.7	.2	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS DEC MONTH
 ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.4	2.0	1.4	.4							8.1	8.1
NNE	.5	1.8	2.3	2.1	.2							6.9	8.8
NE	.4	.6	1.1	.8	.1	.1						3.2	9.1
ENE		.1	.6	.1	.1							1.0	10.1
E	.2	.1	.4	.3	.1							1.1	8.9
ESE	.3	.2		.2								.7	6.3
SE		.4	.2	.1								.6	7.3
SSE	.2	.1	.4	.2								1.0	6.9
S	.3	.3	.7	.1								1.6	6.7
SSW	.4	1.1	.6	.1								2.4	6.2
SW	1.4	2.4	1.3	.4								3.8	6.1
WSW	1.8	3.5	2.4	1.2	.3							9.4	6.8
W	2.9	4.2	4.4	2.7	.3							16.6	6.9
WNW	1.9	3.2	3.7	2.2	.4	.4						12.0	8.5
NW	2.1	3.9	2.7	1.4	.7	.1						11.0	7.6
NNW	.9	1.3	1.1	.4								4.1	6.3
VARBL													
CALM												14.6	
	14.5	28.1	25.1	14.4	7.3	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1399

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 PEASE AFB N H/PORTSMOUTH 56-70 DEC
STATION STATION NAME YEARS MONTH
 ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.6	2.7	1.1	.1							6.9	7.7
NNE	.4	1.4	2.4	2.6	.4							7.2	9.6
NE	.4	.4	.8	.8								2.8	8.5
NNE	.1	.1	.4	.3	.1							.9	10.5
E		.2	.1	.4	.2							.9	11.8
ESE	.1	.2	.2	.4	.1							1.0	9.6
SE	.1	.4	.3	.4	.1	.1						1.4	9.9
SSE	.3	.1	.1	.2								.7	6.3
S	.5	.4	.8	.1	.1							1.8	5.8
SSW	.5	.4	1.0	.1	.1							2.5	6.3
SW	1.0	2.1	1.6	1.1	.1							6.2	7.1
WSW	1.4	4.7	2.0	.9	.1							9.0	6.3
W	4.0	6.3	4.6	2.1	.1							17.1	6.3
WNW	2.6	4.7	2.9	2.2	.7	.1						12.2	7.5
NW	1.4	2.2	2.8	2.4	.4	.2						10.7	6.6
NNW	1.4	2.2	1.3	.8	.1							5.5	6.2
VARBL													
CALM												12.8	
	16.7	29.2	22.6	13.7	2.4	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1395

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 04743 STATION NAME PEASE AFB N H/PORTSMOUTH YEARS 56-70 MONTH DEC
 ALL WEATHER CLASS 0900-1100 HOURS (L.P.T.)
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	2.2	1.6	.1	.1						9.1	7.6
NNE	.4	1.6	2.7	1.9	.3	.1						6.7	9.2
NE	.1	.7	1.1	.9	.1							2.9	9.0
ENE		.4	.3		.2							1.1	9.3
E	.2	.1	.2	.6								1.3	9.5
ESE	.1	.1	.2	.3	.1							.9	9.7
SE		.1	.2	.1	.2	.1						.7	14.2
SSE	.1	.6	.2	.6	.1	.1						1.4	10.4
S	.6	.9	.3	.3	.1	.1						2.0	6.3
SSW	.3	1.1	.6	.4								2.6	6.5
SW	1.1	2.3	1.8	1.3	.2							6.7	7.3
WSW	1.6	2.3	1.9	1.1	.9							7.4	7.4
W	2.7	4.2	4.6	3.3	.7	.3						16.0	8.2
WNW	1.4	2.9	3.6	4.2	1.0	.6						13.3	10.1
NW	1.6	2.0	4.7	2.9	1.0	.2						12.3	9.3
NNW	1.4	2.6	2.2	1.0		.1						7.0	7.0
CALM												8.6	
	12.4	26.4	28.1	20.4	4.4	1.4						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1393

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

04763 PEASE AFB N H/PORTSMOUTH 96-79 DEC

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

1200-1400

CLASS

HOUSE (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	.7	1.4	2.8	1.6	.1	.1						6.7	8.7
NNE	.1	1.0	2.0	2.0	.2							9.3	9.9
NE	.1	1.2	1.2	1.2	.1	.1						4.0	9.4
ENE	.5	.5	.6	.2	.1	.1						2.1	7.9
E	.1	.4	.2	.1	.2							1.1	8.9
ESE	.9	.9	.1	.1								1.4	4.5
SE	.2	.2	.1	.1	.1	.1						1.0	7.9
SSE	.1	.2	.6	.2	.2							1.7	9.6
S	.8	.9	.7	.4	.1	.1						2.7	7.5
SSW	.9	1.4	1.1	.8								3.4	6.8
SW	.6	1.9	1.9	.7	.1							3.4	7.2
WSW	.9	2.4	1.4	1.4	.4							6.6	8.0
W	1.1	2.9	3.0	4.8	.9	.6						19.9	10.1
WNW	.6	1.2	2.1	2.8	1.6	.7	.2	.1				13.3	12.6
NW	.9	2.1	2.4	4.7	1.7	.2	.1					18.9	11.9
NNW	.9	1.9	1.8	1.9	.8	.1	.1					7.0	8.9
VABL													
CALM												10.2	
	8.8	20.4	20.2	22.7	6.2	2.2	.8	.1				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1399

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

08763 PEASE AFB N H/PORTSMOUTH 56-70 DEC
STATION MONTH 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	.9	2.0	2.2	1.3	.1	.1						6.7	7.8
NNE	.1	1.3	1.2	2.3	.3	.1						5.3	10.2
NE	.3	1.2	1.1	1.2	.1							4.0	8.8
ENE		.3	.4	.3	.1							1.4	9.4
E	.0	.0	.2			.2						1.6	7.6
ESE	.3	.0	.3									1.2	4.6
SE	.7	1.1	.4	.2								2.4	3.4
SSE	1.0	1.7	.3	.1		.1						3.4	3.8
S	1.3	1.9	.7	.2		.1						4.3	3.3
SSW	.8	1.3	.9	.1	.1							3.4	3.8
SW	1.1	1.1	1.9	.8	.1							3.1	7.4
WSW	.9	1.0	1.9	.7	.1	.1						3.3	7.3
W	1.2	2.3	3.2	2.7	.0	.1	.1					10.7	9.4
WNW	.0	2.7	3.9	4.3	1.0	.1						13.3	10.9
NW	.0	2.0	3.9	4.0	.0	.1	.1					12.0	10.2
NNW	1.1	2.0	1.4	1.1	.0	.1	.1					6.1	7.9
VARBL													
CALM												11.6	
	11.8	24.9	24.2	21.4	4.9	1.1	.4					109.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1999

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS DEC MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.2	2.5	1.6	.4							7.7	8.2
NNE	.6	1.5	1.7	2.0	.4	.1						6.2	9.4
NE	.4	1.1	.9	.6	.1							3.1	7.9
ENE	.1	.6	.6	.2	.2							1.6	9.3
E	.2	.6				.1						.9	3.4
ESE	.1	.1	.2		.1							.5	7.9
SE	.1	.7	.4	.2								1.4	7.2
SSE	.2	.6	.3	.1	.1							1.6	6.2
S	2.0	1.6	.4	.2		.1						4.4	5.4
SSW	1.1	1.6	.7	.1								3.5	5.0
SW	1.6	2.6	1.6	.9	.1							6.7	6.4
WSW	1.1	1.9	1.2	.9	.1							5.2	6.8
W	2.4	2.8	2.6	2.7	.6	.1						13.0	7.7
WNW	.9	2.8	4.7	4.6	.6	.6	.1					13.8	10.0
NW	.6	2.7	2.6	2.9	.1	.1						10.3	9.3
NNW	.7	2.2	1.2	.2	.1							4.9	6.7
VARB													
CALM												15.1	
	13.0	20.6	22.7	17.8	3.1	.9	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04763 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS DEC MONTH
 ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.7	2.4	1.5	.1	.1						7.7	7.6
NNE	.4	1.4	2.2	1.6	.2							6.7	9.0
NE	.6	1.2	1.1	.8								3.8	7.5
ENE	.1	.1	.4	.4	.1							1.0	10.0
E	.2	.2	.2									.6	5.2
ESE	.1	.1	.1									.2	3.0
SE	.1	.2	.1		.1							.3	7.0
SSE	.2	.4	.6	.2	.1	.1						1.8	8.6
S	.9	1.2	.6	.1		.1						2.7	5.6
SSW	1.5	1.2	.8	.2								3.7	5.1
SW	1.1	2.0	2.8	.4								7.0	6.4
WSW	1.6	2.9	1.8	.6	.2							7.2	6.2
W	2.6	4.1	4.1	2.5	.2	.1						13.3	7.4
WNW	2.1	3.9	3.8	4.0	.6	.2	.1					16.8	9.0
NW	1.1	2.8	3.0	1.9	.1							8.5	8.1
NNW	1.2	1.7	1.8	.5	.1	.1						5.6	7.0
VARBL													
CALM												14.6	
	14.8	26.8	26.2	14.9	1.8	.8	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS ALL MONTHS ALL HOURS (L.S.T.)

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.1	3.3	2.4	.3	.0	.0					10.1	8.4
NNE	.8	2.8	4.3	3.0	.5	.1	.0					11.6	8.9
NE	.9	3.2	4.6	3.4	.7	.2	.0					13.0	9.3
ENE	.7	1.8	2.7	2.1	.9	.2						8.0	9.6
E	.8	2.2	2.4	1.3	.4	.2	.0					7.3	8.6
ESE	.8	1.1	1.1	.7	.1	.0	.0					3.6	7.9
SE	.7	2.0	1.8	.8	.2	.1						5.5	7.5
SSE	.8	1.7	1.5	.8	.1	.0	.0					5.0	7.5
S	1.1	1.7	1.1	.4	.1	.0						4.4	6.1
SSW	.8	1.1	.8	.2	.0							2.8	6.0
SW	.7	1.3	.7	.2		.0		.0				2.9	5.8
WSW	.8	1.1	.3	.1								2.0	5.0
W	.9	1.2	.8	.2	.1	.0						2.9	5.5
WNW	.8	.8	.4	.2	.1	.0	.0	.0				1.8	7.3
NW	.8	1.0	.9	.4	.1	.0						2.9	6.8
NNW	.7	1.8	1.1	.6	.1							4.0	7.1
VARBL													
CALM												12.2	
	11.9	27.4	27.6	18.6	3.4	.9	.1	.0				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 17409

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

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

PART D CEILING VERSUS VISIBILITY

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

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

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

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility \geq 3 miles = 95.4%.
 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 ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 BASE AFB W/WURTENDOUTH 56-70 YEARS MONTH 11

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

HOURLY (U.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.7	49.6	50.9	51.9	52.8	52.9	53.1	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.6
≥ 20000	49.5	49.6	50.4	50.6	51.5	51.7	51.9	52.0	52.0	52.1	52.1	52.2	52.2	52.2	52.3	52.4
18000	49.6	49.1	50.6	50.8	51.8	51.9	52.1	52.2	52.3	52.4	52.4	52.4	52.5	52.5	52.5	52.7
16000	49.9	49.4	50.9	51.1	52.0	52.2	52.4	52.5	52.6	52.7	52.7	52.7	52.7	52.8	52.8	53.0
14000	50.3	50.1	50.7	50.8	51.9	52.1	52.3	52.4	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.9
12000	51.7	50.8	51.2	51.3	52.4	52.6	52.7	52.8	52.9	53.0	53.0	53.0	53.1	53.1	53.1	53.4
10000	53.8	52.0	52.8	53.1	54.2	54.4	54.5	54.6	54.7	54.8	54.8	54.8	54.9	54.9	54.9	55.3
9000	54.4	52.8	53.6	53.9	55.0	55.2	55.3	55.4	55.5	55.6	55.6	55.6	55.7	55.7	55.7	56.1
8000	56.2	54.0	54.8	55.1	56.2	56.4	56.5	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	57.3
7000	57.7	55.8	56.6	56.9	58.0	58.2	58.3	58.4	58.5	58.6	58.6	58.6	58.7	58.7	58.7	59.1
6000	58.8	57.1	57.9	58.2	59.3	59.5	59.6	59.7	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.4
5000	60.9	59.2	60.0	60.3	61.4	61.6	61.7	61.8	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.5
4500	61.3	60.5	61.3	61.6	62.7	62.9	63.0	63.1	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.8
4000	62.8	62.0	62.8	63.1	64.2	64.4	64.5	64.6	64.7	64.8	64.8	64.8	64.9	64.9	64.9	65.3
3500	63.7	62.9	63.7	64.0	65.1	65.3	65.4	65.5	65.6	65.7	65.7	65.7	65.8	65.8	65.8	66.2
3000	64.9	64.1	64.9	65.2	66.3	66.5	66.6	66.7	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.4
2500	65.9	65.1	65.9	66.2	67.3	67.5	67.6	67.7	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.4
2000	66.7	65.9	66.7	67.0	68.1	68.3	68.4	68.5	68.6	68.7	68.7	68.7	68.8	68.8	68.8	69.2
1800	66.9	66.1	66.9	67.2	68.3	68.5	68.6	68.7	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.4
1500	67.3	66.5	67.3	67.6	68.7	68.9	69.0	69.1	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.8
1200	67.9	67.1	67.9	68.2	69.3	69.5	69.6	69.7	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.4
1000	68.1	67.3	68.1	68.4	69.5	69.7	69.8	69.9	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.6
900	68.2	67.4	68.2	68.5	69.6	69.8	69.9	70.0	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.7
800	68.4	67.6	68.4	68.7	69.8	70.0	70.1	70.2	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.9
700	68.5	67.7	68.5	68.8	69.9	70.1	70.2	70.3	70.4	70.5	70.5	70.5	70.6	70.6	70.6	71.0
600	68.5	67.7	68.5	68.8	69.9	70.1	70.2	70.3	70.4	70.5	70.5	70.5	70.6	70.6	70.6	71.0
500	68.6	67.8	68.6	68.9	70.0	70.2	70.3	70.4	70.5	70.6	70.6	70.6	70.7	70.7	70.7	71.1
400	68.6	67.8	68.6	68.9	70.0	70.2	70.3	70.4	70.5	70.6	70.6	70.6	70.7	70.7	70.7	71.1
300	68.6	67.8	68.6	68.9	70.0	70.2	70.3	70.4	70.5	70.6	70.6	70.6	70.7	70.7	70.7	71.1
200	68.6	67.8	68.6	68.9	70.0	70.2	70.3	70.4	70.5	70.6	70.6	70.6	70.7	70.7	70.7	71.1
100	68.6	67.8	68.6	68.9	70.0	70.2	70.3	70.4	70.5	70.6	70.6	70.6	70.7	70.7	70.7	71.1
0	68.6	67.8	68.6	68.9	70.0	70.2	70.3	70.4	70.5	70.6	70.6	70.6	70.7	70.7	70.7	71.1

TOTAL NUMBER OF OBSERVATIONS 12917

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 PEASE AFB N H/PORTSMOUTH

YEARS 67-70

MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL MONTHS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.4	52.3	53.2	53.7	53.9	54.0	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.3
≥ 20000	52.8	56.2	57.1	57.8	58.1	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.5
IV 18000	52.9	56.3	57.3	58.0	58.3	58.4	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.7	58.7
IV 16000	53.1	56.6	57.6	58.3	58.6	58.6	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0
IV 14000	53.7	57.2	58.2	59.0	59.3	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.7
IV 12000	54.9	58.6	59.7	60.5	60.8	60.8	60.9	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.2
IV 10000	56.8	60.9	62.1	62.9	63.3	63.3	63.4	63.5	63.5	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 9000	57.8	62.0	63.3	64.2	64.6	64.6	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	65.0
IV 8000	59.5	64.0	65.4	66.3	66.8	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.3
IV 7000	61.4	66.2	67.7	68.7	69.2	69.3	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.7
IV 6000	62.5	67.5	69.1	70.1	70.6	70.6	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.1	71.1
IV 5000	66.0	69.3	71.0	72.2	72.8	72.8	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.3	73.4
IV 4500	65.2	70.9	72.6	73.9	74.5	74.6	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.1	75.1
IV 4000	68.0	71.9	73.7	75.1	75.8	75.9	76.1	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.5
IV 3500	67.0	73.2	75.0	76.5	77.3	77.4	77.6	77.7	77.7	77.8	77.8	77.8	77.9	77.9	78.0	78.0
IV 3000	68.0	74.6	76.7	78.2	79.2	79.4	79.6	79.8	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.1
IV 2500	69.0	76.0	78.2	80.1	81.3	81.4	81.6	82.0	82.0	82.0	82.1	82.1	82.2	82.2	82.2	82.3
IV 2000	69.8	77.1	79.5	81.6	82.9	83.1	83.3	83.7	83.8	83.9	84.0	84.0	84.0	84.1	84.1	84.2
IV 1800	69.9	77.3	79.8	82.0	83.4	83.6	84.0	84.3	84.3	84.4	84.5	84.5	84.6	84.6	84.6	84.7
IV 1500	70.3	78.0	80.6	83.0	84.5	84.7	85.1	85.7	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.2
IV 1200	70.5	78.6	81.3	83.9	85.6	86.1	86.7	87.3	87.4	87.7	87.8	87.8	87.8	87.9	87.9	88.0
IV 1000	70.8	78.8	81.6	84.3	86.3	86.8	87.7	88.2	88.3	88.5	88.9	88.9	89.1	89.1	89.1	89.2
IV 900	70.6	78.9	81.7	84.4	86.6	87.1	88.0	88.5	88.6	89.2	89.3	89.3	89.4	89.4	89.5	89.6
IV 800	70.7	79.0	81.9	84.7	87.0	87.5	88.4	88.9	89.1	89.2	89.8	89.8	90.0	90.0	90.1	90.2
IV 700	70.7	79.2	82.2	85.1	87.6	88.1	89.0	89.5	89.8	90.0	90.7	91.0	91.0	91.3	91.3	91.4
IV 600	70.7	79.2	82.3	85.3	88.1	88.7	89.7	90.0	90.9	91.7	92.1	92.1	92.5	92.5	92.6	92.7
IV 500	70.8	79.3	82.4	85.7	88.7	89.3	90.7	91.5	91.9	92.9	93.5	93.5	94.0	94.1	94.2	94.3
IV 400	70.9	79.3	82.4	85.8	88.9	89.6	91.2	92.2	92.7	93.8	94.5	94.5	95.1	95.1	95.2	95.3
IV 300	70.8	79.3	82.5	85.9	89.2	90.0	91.7	92.8	93.3	94.8	95.6	95.6	96.7	97.0	97.3	97.4
IV 200	70.8	79.2	82.5	85.9	89.2	90.0	91.7	92.8	93.7	95.3	96.4	96.4	97.6	98.0	98.3	98.4
IV 100	70.6	79.3	82.5	85.9	89.2	90.0	91.7	92.8	93.8	95.3	96.6	96.6	98.0	98.5	99.0	99.3
IV 0	70.8	79.3	82.5	85.9	89.2	90.0	91.7	92.8	93.8	95.4	96.8	96.8	98.0	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS **10416**

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 PEASE AFB N H/PORTRSMOUTH

57-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.V.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	≥ 5/8	¾	≥ 3/16	¾	≥ 0	
NO CEILING ≥ 2000	47.1	49.1	44.7	50.2	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8
18000 16000	50.8	53.0	53.7	54.3	54.7	54.7	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.0
14000 12000	51.0	53.2	53.9	54.5	54.9	55.0	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
10000 9000	51.4	53.7	54.4	55.0	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7
8000 7000	52.4	54.7	55.4	56.0	56.3	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8
6000 5000	54.4	57.0	57.8	58.4	58.9	59.0	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
4300 4000	58.1	57.8	58.6	59.2	59.7	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
3500 3000	58.8	59.8	60.6	61.3	61.8	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
2500 2000	58.2	61.3	62.3	63.3	63.8	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
1800 1500	59.5	62.9	63.9	64.8	65.3	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7
1200 1000	61.7	65.4	66.4	67.4	67.9	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4
900 800	63.8	67.8	68.9	69.9	70.5	70.6	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.0
700 600	63.8	69.9	71.0	72.1	72.7	72.8	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
500 400	67.2	71.6	72.8	74.0	74.4	74.7	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1
300 200	69.1	73.8	75.0	76.3	77.1	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6
100 0	70.3	75.4	76.7	78.2	79.1	79.2	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7
	71.1	76.6	78.2	79.9	80.9	81.1	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6
	71.8	77.2	78.7	80.6	81.6	81.7	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.4
	72.2	78.3	80.0	81.9	83.1	83.2	83.6	83.7	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.1
	72.4	78.8	80.7	82.9	84.3	84.5	84.8	85.0	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.5
	72.6	79.2	81.3	83.5	85.1	85.3	85.8	86.1	86.2	86.4	86.5	86.5	86.6	86.6	86.6	86.7	86.7
	72.7	79.4	81.5	83.8	85.4	85.7	86.2	86.5	86.6	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2
	72.8	79.7	81.9	84.4	86.2	86.4	87.1	87.5	87.6	88.0	88.2	88.4	88.4	88.4	88.4	88.5	88.5
	72.8	79.9	82.2	84.9	86.9	87.3	87.9	88.4	88.5	89.1	89.3	89.4	89.5	89.5	89.5	89.6	89.6
	72.9	80.1	82.5	85.3	87.5	88.0	88.6	89.0	89.0	89.6	89.8	90.0	90.0	90.0	90.0	90.0	90.0
	72.9	80.2	82.7	85.9	88.3	89.0	89.6	90.0	90.0	90.7	91.0	91.9	92.3	92.3	92.3	92.3	92.3
	72.9	80.2	82.8	86.2	88.8	89.6	90.2	90.7	91.0	91.9	92.6	93.5	94.7	95.8	96.0	96.7	96.9
	72.9	80.2	82.8	86.2	88.8	89.6	90.2	90.7	91.0	91.9	92.6	93.5	94.7	95.8	96.0	96.7	96.9
	72.9	80.2	82.8	86.2	88.8	89.6	90.2	90.7	91.0	91.9	92.6	93.5	94.7	95.8	96.0	96.7	96.9
	72.9	80.2	82.8	86.2	88.8	89.6	90.2	90.7	91.0	91.9	92.6	93.5	94.7	95.8	96.0	96.7	96.9
	72.9	80.2	82.8	86.2	88.8	89.6	90.2	90.7	91.0	91.9	92.6	93.5	94.7	95.8	96.0	96.7	96.9

TOTAL NUMBER OF OBSERVATIONS 10614

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2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

04763 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	46.0	48.3	48.9	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5
IV 20000	49.5	52.3	53.2	53.6	53.7	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	54.0
IV 18000	49.7	52.7	53.4	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.2
IV 16000	50.0	52.9	53.6	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.5
IV 14000	50.7	53.6	54.4	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.2
IV 12000	51.8	54.8	55.6	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4
IV 10000	54.3	57.5	58.3	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.2
IV 9000	55.0	58.3	59.1	59.6	59.7	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.0
IV 8000	57.6	61.4	62.3	62.8	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.3
IV 7000	59.4	63.3	64.3	64.9	65.1	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.4	65.4
IV 6000	60.7	64.8	65.8	66.4	66.6	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.0
IV 5000	63.8	68.4	69.5	70.3	70.5	70.6	70.8	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.9
IV 4500	65.4	70.4	71.7	72.5	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.2
IV 4000	67.0	72.2	73.4	74.3	74.5	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	75.0
IV 3500	68.3	73.6	75.0	75.8	76.1	76.2	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.6	76.7
IV 3000	69.4	75.0	76.5	77.4	77.7	77.8	77.9	78.0	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.3
IV 2500	70.5	76.4	77.9	79.0	79.4	79.5	79.6	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.9	80.0
IV 2000	71.3	77.6	79.2	80.4	80.9	81.0	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.4	81.5
IV 1800	71.5	78.0	79.7	80.9	81.4	81.5	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.9	81.9
IV 1500	72.2	79.0	80.8	82.1	82.6	82.7	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.1	83.1	83.2
IV 1200	73.0	80.3	82.4	83.7	84.3	84.5	84.6	84.7	84.8	84.8	84.9	84.9	85.0	85.0	85.0	85.1
IV 1000	73.7	81.4	83.6	85.0	85.6	85.8	85.9	86.0	86.1	86.1	86.2	86.2	86.3	86.3	86.4	86.4
IV 900	73.9	81.6	84.0	85.4	86.0	86.2	86.3	86.4	86.4	86.5	86.5	86.5	86.6	86.6	86.7	86.7
IV 800	74.2	82.3	84.7	86.1	86.7	86.9	87.0	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.4
IV 700	74.3	82.7	85.2	86.6	87.2	87.4	87.5	87.5	87.6	87.6	87.7	87.7	87.7	87.8	87.8	87.8
IV 600	74.4	83.0	85.5	86.9	87.5	87.7	87.8	87.8	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1
IV 500	74.5	83.2	85.7	87.1	87.7	87.9	88.0	88.0	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3
IV 400	74.5	83.3	85.8	87.2	87.8	88.0	88.1	88.1	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4
IV 300	74.5	83.3	85.8	87.2	87.8	88.0	88.1	88.1	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4
IV 200	74.5	83.3	85.8	87.2	87.8	88.0	88.1	88.1	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4
IV 100	74.5	83.3	85.8	87.2	87.8	88.0	88.1	88.1	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4
IV 0	74.5	83.3	85.8	87.2	87.8	88.0	88.1	88.1	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4

TOTAL NUMBER OF OBSERVATIONS 10000

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04743 PEASE AFB NH/PURTSMOUTH 50-70 YEARS MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.V.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	47.9	51.0	51.6	52.1	52.4	52.4	52.5	52.6	52.6	52.8	52.8	52.8	52.8	52.9	53.0
≥ 20000	52.1	56.6	57.2	57.9	58.2	58.4	58.5	58.5	58.6	58.7	58.7	58.8	58.8	58.9	59.0
M 18000	53.4	56.9	57.7	58.3	58.6	58.7	58.8	58.8	58.9	59.0	59.1	59.1	59.1	59.2	59.3
M 16000	53.6	57.1	57.9	58.3	58.9	58.9	59.0	59.1	59.1	59.3	59.3	59.3	59.3	59.4	59.5
M 14000	54.4	58.0	58.7	59.4	59.7	59.8	59.9	60.0	60.0	60.1	60.2	60.2	60.2	60.3	60.4
M 12000	55.8	58.4	60.2	60.9	61.3	61.3	61.4	61.5	61.5	61.7	61.7	61.7	61.7	61.8	61.9
M 10000	58.2	62.2	63.1	63.8	64.2	64.3	64.4	64.4	64.5	64.6	64.7	64.7	64.7	64.8	64.9
M 9000	58.2	63.2	64.3	65.0	65.4	65.5	65.6	65.7	65.7	65.8	65.9	65.9	65.9	66.0	66.1
M 8000	62.0	66.4	67.3	68.3	68.8	68.8	69.0	69.0	69.1	69.2	69.2	69.2	69.3	69.4	69.5
M 7000	64.0	68.4	69.8	70.7	71.1	71.2	71.3	71.4	71.4	71.4	71.6	71.6	71.7	71.7	71.8
M 6000	69.4	70.2	71.3	72.2	72.7	72.8	73.0	73.0	73.1	73.2	73.2	73.3	73.3	73.4	73.5
M 5000	67.7	72.8	74.2	75.3	75.8	75.8	76.0	76.1	76.2	76.3	76.4	76.4	76.4	76.5	76.6
M 4500	68.8	74.1	75.4	76.6	77.2	77.3	77.5	77.5	77.6	77.8	77.8	77.8	77.8	77.9	78.0
M 4000	70.1	75.8	77.2	78.4	79.1	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.7	79.8	79.9
M 3500	70.9	76.8	78.2	79.6	80.3	80.4	80.5	80.6	80.6	80.8	80.8	80.9	80.9	81.0	81.1
M 3000	71.8	77.9	79.4	80.9	81.6	81.7	81.9	82.0	82.0	82.2	82.2	82.2	82.3	82.4	82.5
M 2500	72.4	78.7	80.3	81.9	82.7	82.8	83.0	83.0	83.1	83.3	83.3	83.3	83.3	83.4	83.5
M 2000	73.0	79.9	81.2	82.8	83.7	83.8	84.0	84.1	84.1	84.3	84.3	84.3	84.4	84.5	84.6
M 1800	73.1	79.7	81.4	83.0	83.9	84.1	84.3	84.4	84.4	84.6	84.6	84.6	84.6	84.7	84.8
M 1500	73.8	80.4	82.1	83.9	84.9	85.0	85.1	85.4	85.4	85.7	85.7	85.7	85.7	85.8	85.9
M 1200	73.9	81.1	82.9	85.0	86.1	86.3	86.5	86.6	86.7	86.9	86.9	87.0	87.0	87.1	87.2
M 1000	74.2	81.9	83.8	86.0	87.3	87.5	87.8	87.9	88.0	88.2	88.2	88.3	88.3	88.4	88.5
M 900	74.5	82.2	84.2	86.4	87.7	88.0	88.3	88.4	88.5	88.7	88.8	88.8	88.8	88.9	89.0
M 800	74.7	82.5	84.5	86.9	88.3	88.6	89.0	89.1	89.2	89.3	89.4	89.4	89.4	89.7	89.8
M 700	74.8	82.7	84.8	87.3	88.9	89.2	89.6	89.8	89.9	90.2	90.2	90.2	90.3	90.4	90.5
M 600	74.9	82.9	85.0	87.7	89.4	89.7	90.0	90.1	90.2	90.5	90.5	90.5	90.6	90.7	90.8
M 500	74.9	83.2	85.3	88.1	90.7	91.3	92.1	92.4	92.5	92.9	93.0	93.0	93.0	93.1	93.2
M 400	75.0	83.3	85.7	89.1	91.8	92.6	93.0	93.1	93.2	93.6	93.7	93.7	93.8	93.9	94.0
M 300	75.0	83.4	86.0	89.5	92.2	93.1	93.5	93.6	93.7	94.0	94.1	94.1	94.2	94.3	94.4
M 200	75.0	83.4	86.0	89.5	92.2	93.1	93.5	93.6	93.7	94.0	94.1	94.1	94.2	94.3	94.4
M 100	75.0	83.4	86.0	89.5	92.2	93.1	93.5	93.6	93.7	94.0	94.1	94.1	94.2	94.3	94.4
0	75.0	83.4	86.0	89.5	92.2	93.1	93.5	93.6	93.7	94.0	94.1	94.1	94.2	94.3	94.4

TOTAL NUMBER OF OBSERVATIONS 11160

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 BASE AFB W WILMINGTON

50-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
 MONTHS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	44.0	49.5	51.4	52.7	53.8	54.0	54.2	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.5	54.6
IVN 18000	48.3	54.8	57.1	58.6	60.0	60.3	60.3	60.3	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.6
IVN 16000	48.7	55.1	57.3	58.8	60.4	60.4	60.5	60.5	60.5	61.0	61.0	61.1	61.1	61.1	61.1	61.2
IVN 14000	49.4	56.0	58.3	59.9	61.4	61.6	61.8	61.9	61.9	62.0	62.1	62.1	62.1	62.1	62.2	62.3
IVN 12000	50.8	57.5	60.0	61.4	63.2	63.4	63.5	63.7	63.7	63.8	63.8	63.8	64.0	64.0	64.0	64.1
IVN 10000	52.9	60.1	62.8	64.3	66.2	66.4	66.6	66.7	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.1
IVN 9000	53.5	60.8	63.5	65.3	67.0	67.3	67.5	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.9	68.0
IVN 8000	58.0	62.9	65.7	67.7	69.4	69.7	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.4	70.5
IVN 7000	56.4	64.6	67.4	69.8	71.6	71.9	72.1	72.3	72.3	72.4	72.5	72.5	72.5	72.5	72.6	72.7
IVN 6000	57.5	65.9	68.9	71.2	73.1	73.4	73.6	73.8	73.8	73.9	74.0	74.0	74.0	74.0	74.1	74.2
IVN 5000	58.1	66.0	71.1	73.4	75.4	75.7	76.0	76.1	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.5
IVN 4500	59.9	68.8	72.0	74.4	76.4	76.7	77.0	77.1	77.2	77.3	77.4	77.4	77.4	77.4	77.5	77.6
IVN 4000	61.1	70.4	73.6	76.1	78.2	78.5	78.8	78.9	79.0	79.2	79.3	79.3	79.3	79.3	79.4	79.5
IVN 3500	61.8	71.3	74.7	77.2	79.3	79.6	80.0	80.1	80.2	80.3	80.4	80.4	80.5	80.5	80.5	80.6
IVN 3000	62.7	72.5	76.0	78.6	80.8	81.2	81.5	81.7	81.7	81.9	82.0	82.0	82.0	82.0	82.1	82.2
IVN 2500	63.2	73.3	76.9	79.6	81.8	82.2	82.6	82.9	82.9	83.1	83.1	83.2	83.2	83.2	83.3	83.4
IVN 2000	63.7	74.0	77.6	80.4	82.6	83.2	83.6	83.9	83.9	84.0	84.1	84.2	84.2	84.2	84.3	84.4
IVN 1800	63.8	74.2	77.8	80.6	82.8	83.3	83.7	84.2	84.2	84.4	84.4	84.5	84.5	84.5	84.6	84.7
IVN 1500	64.2	74.9	78.5	81.4	83.6	84.1	84.5	84.9	84.9	85.1	85.1	85.2	85.2	85.2	85.3	85.4
IVN 1200	64.6	75.6	79.3	82.2	84.4	84.9	85.3	85.7	85.7	85.9	85.9	86.0	86.0	86.0	86.1	86.2
IVN 1000	64.9	76.1	80.1	82.8	85.1	85.6	86.0	86.4	86.4	86.6	86.6	86.7	86.7	86.7	86.8	86.9
IVN 900	65.2	76.5	80.6	83.4	85.6	86.1	86.5	86.9	86.9	87.1	87.1	87.2	87.2	87.2	87.3	87.4
IVN 800	65.4	76.8	81.1	83.8	86.0	86.5	86.9	87.3	87.3	87.5	87.5	87.6	87.6	87.6	87.7	87.8
IVN 700	65.7	77.3	81.7	84.3	86.6	87.1	87.5	87.9	87.9	88.1	88.1	88.2	88.2	88.2	88.3	88.4
IVN 600	65.7	77.3	81.7	84.3	86.6	87.1	87.5	87.9	87.9	88.1	88.1	88.2	88.2	88.2	88.3	88.4
IVN 500	65.8	77.4	81.8	84.4	86.7	87.2	87.6	88.0	88.0	88.2	88.2	88.3	88.3	88.3	88.4	88.5
IVN 400	65.8	77.4	81.8	84.4	86.7	87.2	87.6	88.0	88.0	88.2	88.2	88.3	88.3	88.3	88.4	88.5
IVN 300	65.8	77.4	81.8	84.4	86.7	87.2	87.6	88.0	88.0	88.2	88.2	88.3	88.3	88.3	88.4	88.5
IVN 200	65.8	77.4	81.8	84.4	86.7	87.2	87.6	88.0	88.0	88.2	88.2	88.3	88.3	88.3	88.4	88.5
IVN 100	65.8	77.4	81.8	84.4	86.7	87.2	87.6	88.0	88.0	88.2	88.2	88.3	88.3	88.3	88.4	88.5
IVN 0	65.8	77.4	81.8	84.4	86.7	87.2	87.6	88.0	88.0	88.2	88.2	88.3	88.3	88.3	88.4	88.5

TOTAL NUMBER OF OBSERVATIONS 10800

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04762 PHASE ARB N W PORTSMOUTH 56-70 YEARS MONTH ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

HOURLY (U.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	41.2	47.4	49.7	52.0	53.8	54.3	54.7	55.0	55.1	55.2	55.3	55.3	55.3	55.4	55.4	55.5
≥ 20000	43.8	53.7	56.2	58.9	61.3	61.8	62.4	62.7	62.8	62.9	63.0	63.0	63.1	63.1	63.2	63.2
MV 18000	46.0	53.5	56.4	59.2	61.6	62.1	62.8	63.0	63.1	63.2	63.3	63.3	63.4	63.4	63.5	63.6
MV 16000	46.2	53.8	56.7	59.5	62.0	62.5	63.1	63.5	63.5	63.6	63.7	63.7	63.8	63.8	63.9	64.0
MV 14000	46.9	54.6	57.6	60.5	63.0	63.6	64.2	64.5	64.6	64.7	64.8	64.8	64.9	64.9	65.0	65.1
MV 12000	48.3	56.6	59.7	62.8	65.5	66.0	66.7	67.0	67.1	67.2	67.3	67.3	67.4	67.4	67.5	67.5
MV 10000	50.1	59.1	62.5	65.7	68.6	69.2	69.9	70.2	70.3	70.4	70.5	70.5	70.6	70.6	70.7	70.8
MV 9000	50.5	59.6	63.1	66.4	69.3	69.8	70.5	70.9	71.0	71.1	71.2	71.2	71.3	71.3	71.4	71.5
MV 8000	52.1	62.0	65.8	69.4	72.4	73.0	73.8	74.2	74.2	74.4	74.5	74.5	74.6	74.6	74.7	74.7
MV 7000	53.3	63.3	67.3	71.1	74.2	74.9	75.8	76.1	76.2	76.3	76.3	76.3	76.4	76.4	76.7	76.7
MV 6000	53.9	64.4	68.3	72.2	75.5	76.2	77.1	77.4	77.5	77.7	77.8	77.8	77.9	77.9	78.0	78.1
MV 5000	54.7	65.6	69.7	73.8	77.1	77.8	78.8	79.1	79.2	79.4	79.5	79.5	79.6	79.7	79.7	79.8
MV 4500	55.3	66.3	70.4	74.6	78.0	78.8	79.7	80.1	80.2	80.3	80.3	80.3	80.6	80.6	80.7	80.8
MV 4000	56.6	67.8	71.8	76.1	79.7	80.4	81.6	81.8	81.9	82.1	82.2	82.2	82.3	82.4	82.4	82.5
MV 3500	56.7	68.0	72.3	76.6	80.3	81.0	82.0	82.4	82.5	82.7	82.8	82.8	82.9	83.0	83.0	83.1
MV 3000	57.8	69.4	73.9	78.4	82.0	82.8	83.8	84.2	84.3	84.5	84.7	84.7	84.8	84.8	84.9	85.0
MV 2500	58.2	70.1	74.6	79.2	83.0	83.7	84.8	85.2	85.3	85.5	85.7	85.8	85.8	85.9	85.9	86.0
MV 2000	58.5	70.4	75.3	79.9	83.7	84.5	85.6	86.1	86.2	86.4	86.5	86.5	86.6	86.7	86.8	86.8
MV 1800	58.7	70.8	75.9	80.2	84.0	84.8	85.9	86.3	86.4	86.7	86.8	86.8	86.9	87.0	87.0	87.1
MV 1500	59.1	71.3	76.1	80.8	84.7	85.5	86.6	87.1	87.2	87.4	87.4	87.4	87.7	87.7	87.8	87.8
MV 1200	59.5	72.0	76.9	81.7	85.6	86.5	87.6	88.1	88.2	88.5	88.7	88.7	88.8	88.8	88.9	89.0
MV 1000	59.8	72.8	77.6	82.3	86.4	87.3	88.5	89.0	89.1	89.4	89.5	89.5	89.6	89.7	89.8	89.8
MV 900	59.8	72.8	77.6	82.3	86.4	87.3	88.5	89.0	89.1	89.4	89.5	89.5	89.6	89.7	89.8	89.8
MV 800	59.8	72.8	77.6	82.3	86.4	87.3	88.5	89.0	89.1	89.4	89.5	89.5	89.6	89.7	89.8	89.8
MV 700	60.0	73.0	78.2	83.4	87.8	88.8	89.9	90.6	90.7	91.1	91.3	91.3	91.4	91.4	91.5	91.6
MV 600	60.0	73.1	78.5	83.8	88.6	89.6	90.7	91.3	91.5	92.0	92.1	92.1	92.2	92.2	92.3	92.4
MV 500	60.0	73.2	78.7	84.4	89.1	90.2	91.3	92.0	92.2	92.6	92.8	92.8	92.9	92.9	93.0	93.0
MV 400	60.1	73.3	79.0	84.9	89.1	90.2	91.3	92.0	92.2	92.6	92.8	92.8	92.9	92.9	93.0	93.0
MV 300	60.1	73.3	79.0	84.9	89.1	90.2	91.3	92.0	92.2	92.6	92.8	92.8	92.9	92.9	93.0	93.0
MV 200	60.1	73.3	79.0	84.9	89.1	90.2	91.3	92.0	92.2	92.6	92.8	92.8	92.9	92.9	93.0	93.0
MV 100	60.1	73.3	79.0	84.9	89.1	90.2	91.3	92.0	92.2	92.6	92.8	92.8	92.9	92.9	93.0	93.0
0	60.1	73.3	79.0	84.9	89.1	90.2	91.3	92.0	92.2	92.6	92.8	92.8	92.9	92.9	93.0	93.0

TOTAL NUMBER OF OBSERVATIONS 11160

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION PEASE AFB N HURTSMOUTH

5070 YEARS

AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	44.3	51.5	54.3	57.0	58.6	59.0	59.3	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.7	59.7
≥ 20000	47.5	55.4	58.6	61.6	63.5	64.0	64.3	64.5	64.5	64.7	64.7	64.8	64.8	64.8	64.9	65.0
18000	47.7	55.7	58.9	61.9	63.8	64.3	64.7	64.8	64.9	65.0	65.1	65.1	65.1	65.1	65.2	65.3
16000	47.9	56.0	59.2	62.3	64.2	64.7	65.1	65.2	65.3	65.4	65.5	65.5	65.5	65.6	65.6	65.7
14000	48.8	57.1	60.3	63.6	65.6	66.0	66.4	66.6	66.7	66.8	66.9	66.9	66.9	66.9	67.0	67.1
12000	49.3	58.7	62.4	65.8	67.7	68.3	68.6	68.8	68.9	69.1	69.1	69.1	69.2	69.2	69.3	69.4
10000	51.8	61.2	65.1	68.4	70.8	71.2	71.7	71.9	72.0	72.2	72.3	72.3	72.3	72.3	72.4	72.5
9000	52.3	62.0	65.9	69.3	71.7	72.2	72.7	72.9	73.0	73.2	73.3	73.3	73.3	73.3	73.4	73.5
8000	53.8	64.1	68.3	72.1	74.6	75.2	75.7	75.9	76.0	76.2	76.3	76.3	76.4	76.4	76.5	76.6
7000	54.9	65.3	69.9	73.7	76.3	76.9	77.4	77.7	77.7	77.9	78.1	78.1	78.1	78.2	78.2	78.3
6000	55.5	66.5	70.9	74.9	77.5	78.1	78.6	78.9	79.0	79.2	79.3	79.3	79.4	79.4	79.5	79.6
5000	56.4	67.5	72.1	76.1	78.9	79.4	80.1	80.3	80.4	80.6	80.7	80.8	80.8	80.8	80.9	81.0
4500	56.9	68.3	72.8	77.0	79.7	80.3	80.9	81.2	81.3	81.5	81.6	81.6	81.7	81.7	81.8	81.9
4000	57.9	69.7	74.4	78.6	81.3	82.2	82.6	82.8	83.0	83.1	83.2	83.3	83.4	83.4	83.7	83.9
3500	58.5	70.5	75.2	79.5	82.4	83.0	83.7	84.0	84.1	84.4	84.5	84.5	84.6	84.6	84.7	84.8
3000	59.3	71.5	76.3	80.7	83.7	84.3	85.0	85.3	85.4	85.7	85.8	85.8	85.9	85.9	86.1	86.2
2500	59.9	72.5	77.4	81.9	84.9	85.6	86.3	86.6	86.7	87.0	87.1	87.1	87.2	87.2	87.3	87.4
2000	60.3	73.1	78.0	82.4	85.7	86.4	87.1	87.5	87.6	87.8	88.0	88.0	88.0	88.0	88.1	88.2
1800	60.4	73.4	78.3	82.9	86.1	86.8	87.5	87.9	88.0	88.2	88.4	88.4	88.4	88.4	88.5	88.7
1500	60.7	73.9	78.8	83.7	87.0	87.7	88.4	88.9	89.0	89.3	89.4	89.4	89.5	89.5	89.6	89.7
1200	60.9	74.3	79.4	84.3	87.6	88.4	89.1	89.6	89.7	90.0	90.1	90.1	90.2	90.2	90.3	90.4
1000	61.0	74.5	79.6	84.6	88.0	88.8	89.5	90.1	90.2	90.5	90.6	90.7	90.7	90.7	90.8	90.9
900	61.0	74.7	80.0	85.1	88.7	89.5	90.2	90.9	91.0	91.3	91.4	91.4	91.5	91.5	91.6	91.7
800	61.1	74.9	80.2	85.4	89.2	90.0	90.7	91.4	91.6	91.9	92.1	92.1	92.2	92.2	92.3	92.4
700	61.2	75.0	80.4	85.7	89.7	90.5	91.2	92.1	92.3	92.7	92.8	92.9	92.9	92.9	93.0	93.1
600	61.2	75.2	80.7	86.2	90.3	91.1	91.8	92.7	93.0	93.5	93.6	93.7	93.7	93.8	93.9	94.0
500	61.2	75.3	80.8	86.4	90.8	91.6	92.3	93.2	93.5	94.0	94.1	94.2	94.2	94.3	94.4	94.5
400	61.2	75.3	80.8	86.4	90.8	91.6	92.3	93.2	93.5	94.0	94.1	94.2	94.2	94.3	94.4	94.5
300	61.2	75.3	80.8	86.4	90.8	91.6	92.3	93.2	93.5	94.0	94.1	94.2	94.2	94.3	94.4	94.5
200	61.2	75.3	80.8	86.4	90.8	91.6	92.3	93.2	93.5	94.0	94.1	94.2	94.2	94.3	94.4	94.5
100	61.2	75.3	80.8	86.4	90.8	91.6	92.3	93.2	93.5	94.0	94.1	94.2	94.2	94.3	94.4	94.5
0	61.2	75.3	80.8	86.4	90.8	91.6	92.3	93.2	93.5	94.0	94.1	94.2	94.2	94.3	94.4	94.5

TOTAL NUMBER OF OBSERVATIONS 11160

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

04763 STATION PEASE AFB W/PORTSMOUTH

YEARS 56-70

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (UTC)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.2	30.5	32.4	33.9	35.1	35.3	35.6	35.8	35.8	36.0	36.1	36.1	36.2	36.2	36.4	36.6
≥ 20000	48.8	34.7	36.7	38.4	39.7	39.8	40.2	40.4	40.4	40.6	40.7	40.7	40.8	40.8	41.0	41.3
18000	49.0	34.9	37.0	38.7	40.0	40.2	40.5	40.7	40.7	40.9	41.0	41.0	41.1	41.1	41.3	41.6
16000	49.1	35.1	37.2	38.9	40.2	40.4	40.7	40.9	40.9	41.1	41.2	41.2	41.3	41.4	41.5	41.8
14000	49.6	35.8	37.9	39.7	41.1	41.3	41.6	41.8	41.8	42.0	42.1	42.1	42.2	42.2	42.4	42.7
12000	50.4	36.9	39.1	40.8	42.3	42.5	42.8	43.0	43.1	43.3	43.3	43.4	43.4	43.5	43.7	43.9
10000	52.5	39.4	41.6	43.6	45.1	45.3	45.7	45.9	45.9	46.1	46.2	46.2	46.3	46.3	46.5	46.8
9000	53.0	40.1	42.4	44.4	45.9	46.1	46.5	46.7	46.7	46.9	47.0	47.0	47.1	47.1	47.3	47.6
8000	55.0	42.4	45.0	47.0	48.6	48.8	49.2	49.4	49.5	49.7	49.7	49.7	49.8	49.9	50.1	50.3
7000	56.2	44.0	46.7	48.8	50.4	50.6	51.0	51.2	51.3	51.5	51.5	51.5	51.6	51.7	51.9	52.1
6000	56.9	44.9	47.6	49.8	51.5	51.7	52.1	52.4	52.4	52.6	52.7	52.7	52.8	52.8	53.0	53.3
5000	58.8	47.0	49.8	52.0	53.8	54.0	54.4	54.6	54.7	54.8	54.9	54.9	55.0	55.1	55.3	55.6
4500	59.3	47.9	50.7	53.1	54.9	55.1	55.5	55.8	55.8	56.0	56.1	56.1	56.2	56.2	56.4	56.7
4000	60.6	49.5	52.5	55.0	56.9	57.1	57.5	57.8	57.8	58.0	58.1	58.1	58.2	58.2	58.4	58.7
3500	61.3	50.4	53.5	56.0	57.9	58.2	58.6	58.8	58.9	59.1	59.1	59.2	59.3	59.3	59.5	59.8
3000	62.3	52.0	55.2	57.8	59.8	60.1	60.5	60.7	60.8	61.0	61.0	61.1	61.2	61.2	61.4	61.7
2500	63.7	53.4	56.8	59.5	61.6	61.9	62.3	62.6	62.6	62.8	62.9	62.9	63.0	63.0	63.2	63.5
2000	64.4	54.4	57.8	60.8	62.9	63.2	63.6	63.9	63.9	64.0	64.2	64.3	64.4	64.4	64.6	64.9
1800	64.6	54.7	58.2	61.1	63.2	63.5	64.0	64.3	64.3	64.3	64.6	64.6	64.7	64.8	65.0	65.2
1500	65.0	55.3	58.8	62.0	64.2	64.5	65.0	65.3	65.3	65.5	65.6	65.6	65.7	65.8	66.0	66.2
1200	65.4	55.9	59.4	62.8	65.1	65.4	65.9	66.2	66.3	66.5	66.6	66.6	66.7	66.8	66.9	67.2
1000	65.8	56.3	59.8	63.5	65.9	66.2	66.7	67.1	67.2	67.4	67.5	67.5	67.6	67.6	67.8	68.1
900	65.8	56.3	59.8	63.5	65.9	66.2	66.7	67.1	67.2	67.4	67.5	67.5	67.6	67.6	67.8	68.1
800	65.8	56.3	59.8	63.5	65.9	66.2	66.7	67.1	67.2	67.4	67.5	67.5	67.6	67.6	67.8	68.1
700	65.9	56.4	60.0	63.8	66.2	66.5	67.0	67.4	67.5	67.7	67.8	67.8	67.9	67.9	68.1	68.4
600	65.9	56.4	60.0	63.8	66.2	66.5	67.0	67.4	67.5	67.7	67.8	67.8	67.9	67.9	68.1	68.4
500	66.0	56.5	60.1	64.1	66.4	66.7	67.2	67.6	67.7	67.9	68.0	68.0	68.1	68.1	68.3	68.6
400	66.0	56.5	60.1	64.1	66.4	66.7	67.2	67.6	67.7	67.9	68.0	68.0	68.1	68.1	68.3	68.6
300	66.0	56.5	60.1	64.1	66.4	66.7	67.2	67.6	67.7	67.9	68.0	68.0	68.1	68.1	68.3	68.6
200	66.0	56.5	60.1	64.1	66.4	66.7	67.2	67.6	67.7	67.9	68.0	68.0	68.1	68.1	68.3	68.6
100	66.0	56.5	60.1	64.1	66.4	66.7	67.2	67.6	67.7	67.9	68.0	68.0	68.1	68.1	68.3	68.6
0	66.0	56.5	60.1	64.1	66.4	66.7	67.2	67.6	67.7	67.9	68.0	68.0	68.1	68.1	68.3	68.6

TOTAL NUMBER OF OBSERVATIONS 10800

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

04763 WAFB AFB WY WAREHOUS

56-70

YEARS

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.3	52.1	53.8	55.1	56.5	56.7	57.0	57.2	57.3	57.4	57.5	57.5	57.5	57.6	57.7	58.1
IN 20000	50.3	55.8	57.7	59.1	60.5	60.8	61.1	61.3	61.4	61.4	61.6	61.6	61.7	61.7	61.8	62.3
IN 18000	50.7	56.0	57.8	59.2	60.7	60.9	61.3	61.5	61.6	61.7	61.8	61.8	61.9	61.9	62.0	62.5
IN 16000	50.9	56.3	58.1	59.5	60.9	61.2	61.5	61.8	61.8	62.0	62.0	62.0	62.1	62.2	62.3	62.7
IN 14000	51.5	57.0	58.8	60.3	61.8	62.0	62.4	62.6	62.6	62.8	62.9	62.9	63.0	63.0	63.1	63.6
IN 12000	52.8	58.4	60.2	61.8	63.3	63.6	63.9	64.2	64.2	64.4	64.4	64.4	64.5	64.6	64.7	65.1
IN 10000	54.6	60.6	62.6	64.2	65.8	66.1	66.4	66.7	66.7	66.9	67.0	67.0	67.1	67.1	67.2	67.7
IN 9000	55.2	61.3	63.3	64.9	66.5	66.8	67.2	67.4	67.5	67.7	67.7	67.7	67.8	67.8	68.0	68.4
IN 8000	56.9	63.3	65.3	67.2	68.8	69.1	69.4	69.7	69.7	69.9	70.0	70.0	70.1	70.1	70.3	70.7
IN 7000	58.3	65.0	67.2	69.0	70.8	71.1	71.3	71.7	71.8	72.0	72.0	72.0	72.1	72.2	72.3	72.8
IN 6000	59.6	66.7	69.1	71.0	72.7	73.1	73.3	73.8	73.8	74.0	74.0	74.0	74.1	74.2	74.3	74.8
IN 5000	61.3	68.7	71.3	73.3	75.1	75.4	75.7	76.1	76.2	76.4	76.4	76.4	76.5	76.6	76.7	77.2
IN 4500	62.0	69.7	72.3	74.3	76.1	76.5	76.9	77.2	77.2	77.4	77.5	77.5	77.6	77.6	77.7	78.2
IN 4000	62.8	70.8	73.4	75.5	77.4	77.7	78.1	78.5	78.5	78.7	78.8	78.8	78.9	78.9	79.0	79.5
IN 3500	63.9	72.0	74.7	76.9	78.8	79.1	79.6	79.9	79.9	80.1	80.2	80.2	80.3	80.3	80.4	80.9
IN 3000	65.1	73.4	76.2	78.4	80.3	80.6	81.1	81.5	81.5	81.8	81.8	81.8	81.9	82.0	82.1	82.6
IN 2500	66.2	74.8	77.7	79.9	81.9	82.3	82.7	83.1	83.1	83.3	83.4	83.4	83.5	83.6	83.7	84.2
IN 2000	67.0	75.9	78.8	81.2	83.2	83.6	84.1	84.4	84.5	84.7	84.7	84.7	84.8	84.9	85.0	85.5
IN 1800	67.4	76.4	79.4	81.8	83.8	84.2	84.7	85.0	85.1	85.3	85.3	85.3	85.4	85.5	85.6	86.1
IN 1500	68.1	77.4	80.4	82.9	84.9	85.3	85.8	86.2	86.3	86.5	86.5	86.5	86.6	86.7	86.8	87.3
IN 1200	68.2	77.6	80.7	83.3	85.3	85.7	86.2	86.6	86.8	87.1	87.1	87.1	87.2	87.3	87.4	87.9
IN 1000	68.5	78.1	81.2	83.8	85.8	86.2	86.7	87.1	87.3	87.6	87.6	87.6	87.7	87.8	87.9	88.4
IN 900	68.6	78.4	81.5	84.3	86.3	86.7	87.2	87.6	87.8	88.2	88.2	88.3	88.3	88.4	88.5	89.0
IN 800	68.7	78.8	81.9	84.7	86.7	87.1	87.6	88.0	88.2	88.6	88.6	88.7	88.7	88.8	88.9	89.4
IN 700	68.8	79.0	82.6	85.1	87.1	87.5	88.0	88.4	88.6	89.0	89.0	89.1	89.1	89.2	89.3	89.8
IN 600	68.8	79.2	82.8	85.3	87.3	87.7	88.2	88.6	88.8	89.2	89.2	89.3	89.3	89.4	89.5	90.0
IN 500	68.8	79.3	83.0	85.5	87.5	87.9	88.4	88.8	89.0	89.4	89.4	89.5	89.5	89.6	89.7	90.2
IN 400	68.8	79.3	83.1	85.6	87.6	88.0	88.5	88.9	89.1	89.5	89.5	89.6	89.6	89.7	89.8	90.3
IN 300	68.8	79.3	83.2	85.7	87.7	88.1	88.6	89.0	89.2	89.6	89.6	89.7	89.7	89.8	89.9	90.4
IN 200	68.8	79.3	83.3	85.8	87.8	88.2	88.7	89.1	89.3	89.7	89.7	89.8	89.8	89.9	90.0	90.5
IN 100	68.8	79.3	83.3	85.8	87.8	88.2	88.7	89.1	89.3	89.7	89.7	89.8	89.8	89.9	90.0	90.5
IN 0	68.8	79.3	83.3	85.8	87.8	88.2	88.7	89.1	89.3	89.7	89.7	89.8	89.8	89.9	90.0	90.5

TOTAL NUMBER OF OBSERVATIONS 11128

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION 04763 BASE AFB 4 W/PURTSMOUTH 56-70 YEARS 60-69

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

HOURLY (U.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.5	42.8	43.5	43.9	44.4	44.5	44.9	44.7	44.7	44.8	44.8	44.8	44.9	44.9	45.0	45.2
≥ 20000	43.2	45.9	46.7	47.1	47.7	47.8	48.0	48.1	48.1	48.1	48.1	48.2	48.2	48.3	48.4	48.5
IV 18000	43.5	46.2	47.0	47.4	48.0	48.1	48.2	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.6	48.8
IV 16000	43.8	46.5	47.4	47.8	48.4	48.5	48.6	48.7	48.7	48.8	48.8	48.8	48.9	48.9	49.0	49.2
IV 14000	44.6	47.5	48.4	48.8	49.4	49.5	49.7	49.8	49.8	49.8	49.8	49.9	49.9	50.0	50.1	50.3
IV 12000	45.4	48.2	49.1	49.5	50.1	51.1	51.2	51.3	51.3	51.4	51.4	51.4	51.5	51.5	51.6	51.8
IV 10000	47.6	51.3	52.5	53.0	53.6	53.9	54.1	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.5	54.7
IV 9000	48.4	52.2	53.4	54.0	54.7	54.9	55.0	55.2	55.2	55.2	55.2	55.3	55.3	55.4	55.5	55.7
IV 8000	49.9	54.3	55.7	56.4	57.2	57.4	57.6	57.7	57.7	57.8	57.9	57.9	57.9	58.0	58.1	58.3
IV 7000	51.6	56.3	57.9	58.7	59.7	60.0	60.2	60.3	60.4	60.5	60.5	60.6	60.6	60.7	60.8	61.0
IV 6000	52.6	57.6	59.2	60.1	61.2	61.4	61.6	61.8	61.9	62.0	62.1	62.1	62.2	62.2	62.3	62.5
IV 5000	54.3	59.6	61.3	62.2	63.3	63.7	63.9	64.2	64.3	64.4	64.4	64.5	64.5	64.6	64.7	64.9
IV 4500	56.0	61.6	63.3	64.3	65.6	65.9	66.1	66.4	66.4	66.6	66.7	66.7	66.8	66.8	66.9	67.1
IV 4000	57.5	63.3	65.1	66.2	67.5	67.8	68.0	68.3	68.3	68.5	68.6	68.6	68.7	68.7	68.8	69.0
IV 3500	58.6	64.7	66.7	67.8	69.2	69.5	69.7	70.0	70.0	70.2	70.3	70.3	70.4	70.4	70.5	70.7
IV 3000	60.7	67.5	69.6	70.9	72.3	72.6	72.9	73.1	73.2	73.4	73.5	73.5	73.6	73.6	73.7	73.9
IV 2500	62.5	69.9	72.0	73.6	75.2	75.5	75.7	76.0	76.1	76.3	76.3	76.4	76.4	76.5	76.6	76.8
IV 2000	64.1	72.2	74.7	76.4	78.2	78.5	78.8	79.1	79.2	79.4	79.5	79.5	79.6	79.6	79.7	80.0
IV 1800	64.5	72.7	75.2	77.0	78.8	79.1	79.3	79.7	79.8	80.0	80.1	80.1	80.2	80.3	80.4	80.6
IV 1500	65.4	74.1	76.8	78.7	80.7	81.1	81.3	81.6	81.8	82.1	82.2	82.2	82.4	82.4	82.5	82.7
IV 1200	66.0	75.1	78.0	80.2	82.3	82.7	83.2	83.5	83.6	83.8	83.9	83.9	84.0	84.1	84.2	84.4
IV 1000	66.4	75.9	78.9	81.3	83.6	84.0	84.5	84.8	84.9	85.1	85.2	85.2	85.4	85.4	85.5	85.7
IV 900	66.6	76.2	79.4	81.9	84.3	84.7	85.2	85.6	85.7	85.9	86.0	86.0	86.1	86.2	86.3	86.5
IV 800	66.9	76.8	80.1	82.8	85.4	85.9	86.3	86.9	87.0	87.2	87.3	87.4	87.5	87.5	87.6	87.8
IV 700	67.1	77.1	80.6	83.5	86.3	86.8	87.3	87.9	88.0	88.3	88.4	88.4	88.5	88.6	88.7	88.9
IV 600	67.2	77.3	80.9	83.9	87.1	87.7	88.2	88.7	89.2	89.3	89.4	89.4	89.5	89.6	89.7	90.0
IV 500	67.2	77.5	81.2	84.9	88.3	88.9	90.0	90.6	90.8	91.2	91.4	91.4	91.5	91.6	91.8	92.0
IV 400	67.2	77.6	81.5	85.0	89.1	90.0	91.4	92.2	92.4	92.9	93.2	93.2	93.4	93.5	93.7	93.9
IV 300	67.2	77.6	81.5	85.2	89.7	90.9	92.7	93.8	94.1	95.0	95.5	95.6	95.9	96.0	96.2	96.4
IV 200	67.2	77.7	81.5	85.3	89.8	91.1	93.0	94.2	94.7	95.7	96.3	96.4	97.2	97.3	97.5	97.7
IV 100	67.2	77.7	81.5	85.3	89.8	91.1	93.0	94.3	94.7	95.8	96.8	97.0	97.7	98.2	98.8	99.5
IV 0	67.2	77.7	81.5	85.3	89.8	91.1	93.0	94.3	94.7	95.8	96.8	97.0	97.7	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 10800

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/DAC

CEILING VERSUS VISIBILITY

04763 PLASS AFB N W/PORTSMOUTH 56-70 YEARS DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	46.1	48.6	49.4	49.7	50.1	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.7
IV 20000	49.2	51.9	52.9	53.3	53.8	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.4
IV 18000	49.4	52.0	53.0	53.4	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.5
IV 16000	49.6	52.3	53.3	53.7	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.8
IV 14000	50.4	53.2	54.2	54.6	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.7
IV 12000	51.4	54.4	55.4	55.8	56.3	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.8
IV 10000	53.3	56.6	57.7	58.1	58.6	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.3
IV 9000	53.8	57.2	58.4	58.8	59.3	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	60.0
IV 8000	55.5	59.1	60.4	60.9	61.5	61.7	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.2
IV 7000	57.0	60.9	62.2	62.8	63.5	63.6	63.6	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.1	64.1	64.3
IV 6000	58.2	62.4	63.9	64.5	65.3	65.5	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.9	65.9	66.0	66.2
IV 5000	58.8	64.4	66.0	66.7	67.7	67.8	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.4	68.4	68.6
IV 4500	60.8	65.9	67.5	68.3	69.3	69.5	69.8	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.1	70.3
IV 4000	61.8	67.1	68.8	69.7	70.7	70.9	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.5	71.7
IV 3500	63.1	68.6	70.4	71.4	72.4	72.6	72.8	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.2	73.4	73.4
IV 3000	64.8	70.9	72.9	74.0	75.1	75.3	75.6	75.7	75.7	75.8	75.8	75.9	75.9	76.0	76.0	76.1	76.3
IV 2500	65.8	72.4	74.6	75.8	77.1	77.4	77.7	77.8	77.8	77.9	77.9	77.9	78.0	78.0	78.1	78.2	78.4
IV 2000	66.9	73.9	76.3	77.8	79.3	79.7	80.1	80.3	80.3	80.3	80.4	80.4	80.5	80.5	80.6	80.8	80.8
IV 1800	67.2	74.4	76.8	78.4	80.0	80.4	80.8	81.0	81.0	81.1	81.1	81.2	81.2	81.3	81.4	81.6	81.6
IV 1500	67.8	75.5	78.0	79.9	81.7	82.2	82.7	82.8	82.9	83.0	83.1	83.1	83.2	83.2	83.3	83.5	83.5
IV 1200	68.2	76.2	79.0	81.0	83.2	83.8	84.4	84.6	84.7	84.8	84.9	84.9	85.0	85.0	85.2	85.3	85.3
IV 1000	68.4	76.6	79.5	81.6	84.2	84.8	85.5	85.9	86.1	86.3	86.4	86.5	86.6	86.6	86.7	86.9	86.9
IV 900	68.4	76.7	79.7	82.0	84.6	85.3	86.1	86.5	86.7	87.0	87.1	87.2	87.3	87.4	87.5	87.7	87.7
IV 800	68.5	77.0	80.0	82.5	85.3	86.1	87.0	87.5	87.7	88.1	88.4	88.4	88.4	88.4	88.5	88.8	88.8
IV 700	68.6	77.1	80.2	82.9	85.9	86.8	87.8	88.4	88.6	89.1	89.5	89.5	89.5	89.5	89.6	89.8	89.8
IV 600	68.7	77.5	80.6	83.6	86.9	87.9	89.0	89.7	90.0	90.7	91.1	91.2	91.3	91.4	91.7	92.0	92.0
IV 500	68.7	77.6	80.9	84.0	87.6	88.8	90.2	91.0	91.4	92.3	92.9	93.1	93.6	93.6	93.9	94.1	94.1
IV 400	68.7	77.7	81.0	84.3	88.2	89.5	91.1	92.0	92.5	93.4	94.0	94.4	94.4	94.4	94.7	95.0	95.0
IV 300	68.7	77.7	81.1	84.4	88.3	89.9	91.6	92.7	93.1	94.5	95.5	95.8	96.7	96.9	97.2	97.8	97.8
IV 200	68.7	77.7	81.1	84.4	88.3	89.9	91.7	92.9	93.4	94.8	95.8	96.0	96.3	97.3	97.6	98.0	98.7
IV 100	68.7	77.7	81.1	84.4	88.3	89.9	91.7	92.9	93.4	94.9	95.1	96.3	97.6	97.9	98.4	99.4	99.4
0	68.7	77.7	81.1	84.4	88.3	89.9	91.7	92.9	93.4	94.9	95.1	96.3	97.6	97.9	98.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 11160

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 STATION PEASE AFB 4 H/PORTSMOUTH STATION NAME

57-70 YEARS

JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.4	53.2	54.6	55.4	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.0
IV 20000	52.2	55.3	56.7	57.6	58.1	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.4
IV 18000	52.3	55.4	56.8	57.7	58.2	58.2	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.5
IV 16000	52.5	55.5	56.9	57.9	58.4	58.4	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.8
IV 14000	53.2	56.4	57.8	58.8	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.6
IV 12000	53.8	56.9	58.3	59.3	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.4
IV 10000	55.1	58.8	60.4	61.6	62.1	62.1	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.5
IV 9000	55.9	59.8	61.5	62.7	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.6
IV 8000	57.2	61.1	63.0	64.1	64.7	64.8	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.2
IV 7000	58.1	62.6	64.6	65.7	66.3	66.4	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7	66.8
IV 6000	59.6	64.1	66.1	67.3	67.8	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.4
IV 5000	61.0	66.0	68.0	69.4	70.0	70.2	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.5	70.5	70.7
IV 4500	63.1	68.7	70.9	72.3	73.0	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.6
IV 4000	64.0	69.9	72.0	73.3	74.2	74.4	74.4	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.9
IV 3500	65.1	71.3	73.7	75.3	76.0	76.2	76.2	76.3	76.3	76.4	76.4	76.4	76.4	76.5	76.5	76.7
IV 3000	65.9	73.0	75.3	77.0	78.0	78.3	78.4	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.9
IV 2500	67.1	74.7	77.1	79.2	80.4	80.6	80.9	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.3
IV 2000	67.7	75.6	78.2	80.4	81.8	82.1	82.4	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.9
IV 1800	67.7	75.7	78.3	80.3	81.9	82.3	82.7	82.8	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.2
IV 1600	67.9	76.2	79.0	81.4	83.1	83.5	84.1	84.3	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.6
IV 1500	68.0	76.6	79.7	82.3	84.6	85.3	86.1	86.4	86.4	86.7	86.7	86.7	86.8	86.8	86.8	86.9
IV 1200	68.0	76.8	80.0	82.6	85.2	85.9	86.9	87.3	87.4	88.0	88.0	88.0	88.1	88.1	88.1	88.2
IV 1000	68.0	76.9	80.1	82.9	85.3	86.4	87.3	87.8	87.9	88.5	88.5	88.5	88.6	88.6	88.6	88.7
IV 900	68.0	77.0	80.2	82.9	85.6	86.6	87.6	88.3	88.5	89.2	89.2	89.2	89.3	89.3	89.3	89.5
IV 800	68.0	77.0	80.3	83.4	86.1	87.2	88.3	89.1	89.2	90.0	90.2	90.2	90.3	90.3	90.3	90.5
IV 700	68.0	77.0	80.6	83.8	86.8	87.9	89.3	90.2	90.5	91.3	91.7	91.7	91.9	91.9	91.9	92.0
IV 600	68.0	77.0	80.6	84.1	87.3	88.5	90.1	91.1	91.4	92.3	92.8	92.8	93.2	93.2	93.2	93.4
IV 500	68.0	77.0	80.6	84.2	87.6	88.9	90.7	91.7	92.2	93.2	93.6	93.7	94.4	94.6	94.6	94.9
IV 400	68.0	77.0	80.6	84.3	87.8	89.2	91.2	92.3	92.9	94.3	95.2	95.3	96.1	96.3	96.3	97.1
IV 300	68.0	77.0	80.6	84.3	87.8	89.2	91.4	92.9	93.5	94.9	96.3	96.4	97.2	97.4	97.4	98.4
IV 200	68.0	77.0	80.6	84.3	87.8	89.2	91.4	92.9	93.5	95.0	96.4	96.5	97.6	98.1	98.1	99.5
IV 100	68.0	77.0	80.6	84.3	87.8	89.2	91.4	92.9	93.5	95.0	96.4	96.5	97.6	98.1	98.1	99.5
IV 0	68.0	77.0	80.6	84.3	87.8	89.2	91.4	92.9	93.5	95.0	96.4	96.5	97.6	98.1	98.1	99.5

TOTAL NUMBER OF OBSERVATIONS 1302

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 PEASE AFB N H/PORTSMOUTH

57-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	49.9	53.0	54.1	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.3	55.4
RV 18000 16000	51.4	53.5	56.8	57.7	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.2	58.3
IV 14000 12000	52.0	56.1	57.4	58.4	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.9	59.0
IV 10000 9000	54.3	59.1	60.5	61.5	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.2	62.3	62.4
IV 8000 7000	56.3	61.3	62.8	64.0	64.4	64.4	64.4	64.4	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.8
IV 6000 5000	59.1	64.9	66.7	68.0	68.4	68.4	68.4	68.4	68.4	68.5	68.6	68.6	68.6	68.7	68.7	68.8
IV 4500 4000	61.9	68.4	70.1	71.9	72.4	72.4	72.4	72.4	72.4	72.5	72.6	72.6	72.6	72.7	72.7	72.8
IV 3500 3000	63.6	71.2	73.0	75.1	75.7	75.7	75.7	75.7	75.7	75.8	75.9	75.9	75.9	76.0	76.0	76.1
IV 2500 2000	66.1	75.0	77.6	80.0	80.6	80.6	80.9	80.9	80.9	81.0	81.1	81.1	81.1	81.2	81.3	81.3
IV 1800 1500	67.4	76.8	79.7	82.3	83.3	83.3	83.6	83.6	83.6	83.8	83.9	83.9	83.9	84.0	84.0	84.1
IV 1200 1000	67.7	78.0	81.3	84.1	85.4	85.7	86.4	86.4	86.4	86.6	86.9	86.9	86.9	87.0	87.0	87.1
IV 900 800	67.8	78.3	81.9	84.9	86.3	86.8	87.7	87.7	87.7	88.1	88.2	88.2	88.2	88.2	88.3	88.4
IV 700 600	67.8	78.5	82.2	85.4	87.2	87.9	89.1	89.7	89.8	90.4	90.6	90.6	90.6	90.9	90.9	91.0
IV 500 400	67.8	78.6	82.3	85.1	88.2	88.9	90.8	91.4	91.6	92.4	92.9	92.9	92.9	93.2	93.4	93.5
IV 300 200	67.8	78.6	82.6	86.4	88.6	89.3	91.3	92.1	92.3	93.2	93.9	93.9	93.9	94.4	94.4	94.9
IV 100 0	67.8	78.6	82.6	86.6	88.9	89.6	91.9	92.8	93.1	94.4	95.6	95.6	95.6	97.3	98.1	98.4

TOTAL NUMBER OF OBSERVATIONS 1302

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

06763 PEASE AFB N H/PURTSMOUTH

57-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.0	49.1	50.0	50.6	51.2	51.2	51.3	51.4	51.5	51.5	51.5	51.5	51.7	51.7	51.7	51.8
N 20000	49.4	52.8	53.8	54.6	55.2	55.3	55.3	55.3	55.4	55.6	55.7	55.7	55.8	55.8	55.8	56.1
IVN 18000	49.4	52.8	53.9	54.7	55.3	55.4	55.5	55.6	55.7	55.7	55.8	55.8	55.9	55.9	55.9	56.1
IVN 16000	49.6	53.1	54.1	54.9	55.5	55.6	55.6	55.8	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.4
IVN 14000	50.2	53.7	54.8	55.5	56.1	56.2	56.4	56.5	56.5	56.5	56.6	56.6	56.8	56.8	56.8	57.0
IVN 12000	51.6	55.1	56.2	57.1	57.7	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.3	58.3	58.3	58.5
IVN 10000	53.6	57.8	59.1	59.9	60.6	60.8	60.9	61.0	61.1	61.1	61.1	61.1	61.3	61.3	61.3	61.5
IVN 9000	54.0	58.4	59.7	60.6	61.3	61.6	61.6	61.7	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.2
IVN 8000	55.8	60.8	62.2	63.4	64.1	64.2	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.8	64.8	65.1
IVN 7000	57.9	62.4	63.1	66.3	67.1	67.2	67.4	67.5	67.6	67.6	67.7	67.7	67.8	67.8	67.8	68.1
IVN 6000	59.3	65.2	67.0	68.2	69.0	69.1	69.4	69.4	69.5	69.5	69.6	69.6	69.7	69.7	69.8	70.0
IVN 5000	61.4	67.2	69.5	70.8	71.7	71.8	72.0	72.1	72.2	72.2	72.3	72.3	72.5	72.5	72.6	72.8
IVN 4500	62.3	68.6	70.8	72.1	73.0	73.1	73.4	73.5	73.6	73.6	73.7	73.7	73.9	73.9	74.0	74.2
IVN 4000	63.7	70.6	72.9	74.3	75.2	75.4	75.7	75.8	75.9	75.9	76.0	76.0	76.2	76.2	76.3	76.5
IVN 3500	64.4	71.9	74.2	75.7	76.7	77.0	77.3	77.3	77.4	77.4	77.6	77.6	77.8	77.8	77.9	78.1
IVN 3000	65.5	74.0	76.7	78.3	79.4	79.6	80.0	80.1	80.2	80.2	80.3	80.3	80.6	80.6	80.6	80.9
IVN 2500	66.7	75.4	78.4	80.3	81.6	81.8	82.3	82.3	82.6	82.6	82.7	82.7	82.9	82.9	83.0	83.3
IVN 2000	67.4	76.3	79.4	81.6	82.8	83.0	83.6	83.8	83.9	83.9	84.0	84.0	84.3	84.3	84.3	84.6
IVN 1800	67.4	76.4	79.6	81.9	83.1	83.4	84.0	84.3	84.3	84.3	84.3	84.3	84.7	84.7	84.8	85.0
IVN 1500	67.5	76.7	80.1	82.6	83.9	84.3	85.0	85.4	85.3	85.3	85.6	85.7	85.7	85.9	86.0	86.3
IVN 1200	67.9	77.3	81.0	84.0	85.6	86.3	87.0	87.3	87.6	87.5	87.5	87.9	88.2	88.2	88.3	88.6
IVN 1000	68.0	77.8	81.5	84.6	86.3	86.9	87.6	88.2	88.3	88.3	88.6	88.8	89.1	89.1	89.2	89.5
IVN 900	68.1	77.9	81.6	84.6	86.3	86.9	87.9	88.3	88.7	88.6	89.0	89.2	89.2	89.6	89.7	89.9
IVN 800	68.3	78.0	81.7	84.9	86.7	87.3	88.3	88.9	89.3	89.3	89.6	89.8	90.2	90.2	90.4	90.6
IVN 700	68.3	78.3	82.0	85.4	87.3	87.9	88.9	89.5	89.9	89.9	90.4	90.6	91.3	91.3	91.4	91.8
IVN 600	68.4	78.3	82.0	85.7	87.6	88.4	89.4	90.0	90.2	90.6	91.2	91.9	91.9	92.4	92.3	92.8
IVN 500	68.4	78.5	82.3	85.8	87.4	88.2	89.4	90.4	91.2	91.7	92.2	93.1	93.1	93.7	93.8	94.3
IVN 400	68.4	78.5	82.3	85.8	87.4	88.2	89.7	90.7	91.5	92.2	92.9	93.7	94.6	95.4	95.5	96.0
IVN 300	68.4	78.5	82.3	85.8	87.4	88.2	89.9	91.0	91.8	92.5	93.3	94.1	95.0	95.8	96.0	97.3
IVN 200	68.4	78.5	82.3	85.8	87.4	88.2	89.9	91.0	91.8	92.5	93.3	94.1	95.0	95.8	97.0	97.3
IVN 100	68.4	78.5	82.3	85.8	87.4	88.2	89.9	91.0	91.8	92.5	93.3	94.1	95.0	95.8	97.0	97.3
IVN 0	68.4	78.5	82.3	85.8	87.4	88.2	89.9	91.0	91.8	92.5	93.3	94.1	95.0	95.8	97.0	97.3

TOTAL NUMBER OF OBSERVATIONS

1302

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

06743
STATION

PRASE AFB N H/PURTSMOUTH
STATION NAME

87-70
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	47.2	51.4	51.2	51.9	52.2	52.2	52.4	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7
18000 16000	52.0	55.8	56.9	57.7	58.1	58.1	58.3	58.5	58.5	58.7	58.7	58.7	58.8	58.8	58.8	58.8
14000 12000	53.0	56.8	58.0	58.8	59.2	59.2	59.4	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.9
10000 9000	56.8	61.1	62.5	63.6	64.1	64.1	64.3	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.8
8000 7000	60.6	65.7	67.6	68.8	69.5	69.5	69.7	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.2
6000 5000	63.7	69.4	71.4	72.6	73.3	73.3	73.5	73.7	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0
4500 4000	65.3	71.9	74.0	75.7	76.6	76.6	76.8	77.0	77.0	77.2	77.2	77.2	77.3	77.3	77.3	77.3
3500 3000	66.9	73.7	75.9	77.7	78.7	78.7	79.0	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.6
2500 2000	69.0	76.2	78.7	81.0	82.0	82.0	82.4	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	83.0
1800 1500	69.5	77.0	79.6	82.3	83.2	83.3	83.7	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.5
1200 1000	70.0	77.7	80.3	83.3	84.7	84.9	85.4	85.8	85.8	86.1	86.1	86.1	86.2	86.2	86.2	86.4
900 800	70.5	78.4	81.2	84.2	85.6	85.8	86.3	86.7	86.7	87.0	87.0	87.0	87.1	87.1	87.1	87.2
700 600	70.7	78.6	81.5	84.7	86.5	86.6	87.1	87.5	87.5	87.9	87.9	87.9	88.0	88.0	88.0	88.1
500 400	70.7	79.0	82.0	85.3	87.9	87.9	88.4	88.8	88.8	89.1	89.1	89.1	89.2	89.2	89.2	89.3
300 200	70.7	79.1	82.3	85.8	89.0	89.0	89.5	89.9	89.9	90.2	90.2	90.2	90.3	90.3	90.3	90.4
100 0	70.7	79.1	82.3	86.1	89.2	89.2	89.7	90.1	90.1	90.4	90.4	90.4	90.5	90.5	90.5	90.6

TOTAL NUMBER OF OBSERVATIONS 1302

C
2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

06743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME

87-70 YEARS

JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.8	53.5	53.7	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.3	54.3
IV 20000	54.0	57.3	57.6	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4
IV 18000	54.3	57.6	57.9	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.7	58.7	58.7	58.7	58.8	58.8
IV 16000	54.5	57.8	58.1	58.6	58.6	58.6	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	59.0	59.0
IV 14000	55.1	58.5	58.9	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.7	59.7	59.7	59.7	59.8	59.8
IV 12000	56.6	60.3	60.8	61.2	61.2	61.2	61.6	61.6	61.6	61.6	61.5	61.5	61.5	61.5	61.6	61.6
IV 10000	59.1	62.7	63.3	63.7	63.7	63.7	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.3	64.3
IV 9000	60.1	64.2	64.8	65.4	65.4	65.4	65.7	65.7	65.7	65.7	65.9	65.9	65.9	65.9	66.0	66.0
IV 8000	62.7	67.0	67.6	68.2	68.2	68.2	68.3	68.3	68.3	68.6	68.6	68.6	68.7	68.7	68.7	68.8
IV 7000	63.3	70.1	70.7	71.6	71.7	71.7	72.0	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.3	72.3
IV 6000	66.3	71.3	72.0	72.8	73.0	73.0	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.5	73.5
IV 5000	67.6	72.7	73.6	74.5	74.9	74.9	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.5	75.5
IV 4500	68.3	73.7	74.7	75.6	76.0	76.0	76.2	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.6	76.6
IV 4000	69.7	75.0	76.0	76.9	77.6	77.6	77.9	78.0	78.0	78.0	78.2	78.2	78.2	78.2	78.3	78.3
IV 3500	70.7	76.0	77.0	77.9	78.6	78.7	79.0	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.4	79.4
IV 3000	71.8	77.2	78.3	79.3	80.1	80.2	80.3	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.9	81.0
IV 2500	72.6	78.3	79.5	80.9	82.0	82.0	82.3	82.5	82.6	82.6	82.8	82.8	82.8	82.8	82.9	82.9
IV 2000	73.0	79.1	80.5	82.0	83.4	83.5	83.8	84.0	84.2	84.4	84.6	84.6	84.6	84.6	84.6	84.7
IV 1800	73.3	79.8	81.3	82.8	84.3	84.3	84.6	84.9	85.1	85.3	85.5	85.5	85.5	85.5	85.6	85.6
IV 1500	73.7	80.3	82.0	83.6	85.3	85.4	85.7	86.0	86.4	86.7	87.0	87.3	87.3	87.3	87.3	87.4
IV 1200	73.9	81.0	82.6	84.3	86.3	86.4	86.7	87.0	87.8	88.3	88.6	88.6	88.6	88.6	88.6	88.7
IV 1000	73.9	81.0	82.6	84.3	86.3	86.4	86.7	87.0	87.8	88.3	88.6	88.6	88.6	88.6	88.6	88.7
IV 900	73.9	81.1	82.8	84.4	86.9	87.0	87.9	88.2	88.5	89.2	89.5	89.5	89.5	89.5	89.6	89.6
IV 800	74.1	81.3	83.3	85.9	87.3	87.6	88.3	88.9	89.2	89.9	90.2	90.2	90.2	90.2	90.3	90.4
IV 700	74.2	81.4	83.4	86.1	87.7	87.9	88.7	89.2	89.4	90.3	90.8	90.8	91.2	91.2	91.2	91.3
IV 600	74.2	81.4	83.4	86.1	87.7	87.9	88.7	89.2	89.4	90.3	90.8	91.2	91.2	91.2	91.2	91.3
IV 500	74.2	81.4	83.4	86.1	87.7	87.9	88.7	89.2	89.4	90.3	90.8	91.2	91.2	91.2	91.2	91.3
IV 400	74.2	81.4	83.4	86.1	87.7	87.9	88.7	89.2	89.4	90.3	90.8	91.2	91.2	91.2	91.2	91.3
IV 300	74.2	81.4	83.4	86.1	87.7	87.9	88.7	89.2	89.4	90.3	90.8	91.2	91.2	91.2	91.2	91.3
IV 200	74.2	81.4	83.4	86.1	87.7	87.9	88.7	89.2	89.4	90.3	90.8	91.2	91.2	91.2	91.2	91.3
IV 100	74.2	81.4	83.4	86.1	87.7	87.9	88.7	89.2	89.4	90.3	90.8	91.2	91.2	91.2	91.2	91.3
IV 0	74.2	81.4	83.4	86.1	87.7	87.9	88.7	89.2	89.4	90.3	90.8	91.2	91.2	91.2	91.2	91.3

TOTAL NUMBER OF OBSERVATIONS 1302

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 PEASE AFB N H/PORTSMOUTH

57-70

YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
LOCAL (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.2	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	54.1	57.4	57.6	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 18000	54.2	57.5	57.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 16000	54.5	57.8	58.1	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000	55.1	58.4	58.9	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 12000	57.1	60.6	61.1	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	58.7	62.5	63.1	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 9000	60.3	64.4	64.9	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 8000	62.1	66.1	66.7	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000	64.4	68.6	69.3	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 6000	65.1	69.5	70.2	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 5000	66.9	71.8	72.4	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4500	66.4	71.2	71.8	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 4000	68.8	73.8	74.4	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3500	70.0	75.1	75.7	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 3000	71.7	76.9	77.5	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 2500	72.9	78.4	79.0	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2000	74.3	80.0	81.3	83.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1800	74.9	80.1	81.6	83.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 1500	74.8	81.0	82.6	84.5	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1200	75.0	82.0	83.6	85.6	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1000	75.1	82.2	83.8	85.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 900	75.2	82.3	83.9	86.1	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 800	75.5	82.7	84.3	86.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 700	75.6	82.8	84.4	87.2	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 600	75.6	82.8	84.4	87.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 500	75.6	82.8	84.4	87.4	89.6	90.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 400	75.6	82.8	84.4	87.4	89.6	90.2	91.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 300	75.6	82.8	84.4	87.4	89.6	90.2	91.1	92.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 200	75.6	82.8	84.4	87.4	89.6	90.2	91.1	92.0	92.9	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 100	75.6	82.8	84.4	87.4	89.6	90.2	91.1	92.0	92.9	93.8	94.7	94.7	94.7	94.7	94.7	94.7
IV 0	75.6	82.8	84.4	87.4	89.6	90.2	91.1	92.0	92.9	93.8	94.7	95.6	95.6	95.6	95.6	95.6

TOTAL NUMBER OF OBSERVATIONS 1302

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 PEASE AFB N H/PORTSMOUTH

YEARS 87-70

MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-2000
MONTH (L.C.Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING N 20000	51.5	54.1	55.0	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
18000 N 16000	55.8	58.3	60.4	60.9	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
14000 N 12000	59.9	59.4	60.4	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
10000 N 9000	58.1	58.8	60.7	61.2	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
8000 N 7000	56.6	60.1	61.3	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
6000 N 5000	57.9	61.8	63.2	63.7	63.7	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
4500 N 4000	59.2	63.3	65.0	65.5	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
3500 N 3000	60.3	64.4	66.2	66.7	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
2500 N 2000	61.9	66.3	68.0	68.7	68.9	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
1800 N 1500	62.3	67.7	69.6	70.4	70.6	70.6	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
1200 N 1000	64.1	68.7	70.6	71.4	71.6	71.6	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
900 N 800	65.8	70.9	72.8	73.6	73.9	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
700 N 600	67.4	72.7	74.7	75.7	76.0	76.1	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
500 N 400	67.7	73.1	75.2	76.3	77.0	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
300 N 200	68.6	74.2	76.6	77.3	78.3	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
100 N 0	69.1	74.8	77.2	78.4	79.8	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
	69.9	75.6	78.3	79.8	81.2	81.6	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
	70.9	77.0	79.4	81.5	83.2	83.6	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
	71.0	77.2	79.8	82.0	83.7	84.1	84.9	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9
	71.4	77.8	80.4	83.1	85.1	85.5	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
	71.4	78.3	81.6	84.3	86.3	86.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
	71.4	78.7	81.9	84.7	87.3	87.9	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
	71.4	78.7	81.9	84.8	87.9	88.6	89.9	89.2	89.2	89.6	89.8	89.8	89.8	89.8	89.8	89.8
	71.8	78.9	82.2	85.2	88.2	88.8	89.9	89.0	89.2	89.8	90.7	90.7	90.8	90.8	90.8	90.8
	71.7	79.2	82.3	85.8	88.9	89.4	90.3	91.0	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9
	71.7	79.3	82.6	85.9	89.0	90.2	91.2	91.9	92.1	92.7	93.1	93.1	93.2	93.2	93.2	93.2
	71.7	79.3	82.6	86.0	89.2	91.0	92.2	92.9	93.1	93.7	94.3	94.3	94.6	94.6	94.6	94.6
	71.7	79.3	82.6	86.0	89.2	91.0	92.2	92.9	93.1	93.7	94.3	94.3	94.6	94.6	94.6	94.6
	71.7	79.3	82.6	86.0	89.2	91.0	92.2	92.9	93.1	93.7	94.3	94.3	94.6	94.6	94.6	94.6
	71.7	79.3	82.6	86.0	89.2	91.0	92.2	92.9	93.1	93.7	94.3	94.3	94.6	94.6	94.6	94.6
	71.7	79.3	82.6	86.0	89.2	91.0	92.2	92.9	93.1	93.7	94.3	94.3	94.6	94.6	94.6	94.6
	71.7	79.3	82.6	86.0	89.2	91.0	92.2	92.9	93.1	93.7	94.3	94.3	94.6	94.6	94.6	94.6

TOTAL NUMBER OF OBSERVATIONS 1802

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 57-70 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.9	53.0	54.4	55.1	55.7	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1
≥ 20000	53.4	56.4	57.8	58.7	59.2	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.8
IV 18000	53.7	56.5	57.9	58.8	59.4	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8
IV 16000	54.0	56.8	58.2	59.1	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1
IV 14000	54.6	57.5	58.9	59.8	60.4	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8
IV 12000	55.8	58.9	60.4	61.2	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2
IV 10000	57.8	61.4	63.1	64.1	64.7	64.7	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1
IV 9000	59.0	62.7	64.4	65.4	66.0	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
IV 8000	59.8	63.7	65.4	66.4	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000	60.9	65.3	67.0	68.0	68.6	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.1
IV 6000	62.4	67.0	68.7	69.7	70.4	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.9
IV 5000	63.4	68.4	70.2	71.2	72.2	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.7
IV 4500	64.9	69.8	71.6	73.3	74.0	74.0	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.5	74.5	74.7
IV 4000	65.2	70.1	72.1	73.7	74.7	74.8	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.5	75.5
IV 3500	66.4	71.7	73.7	75.3	76.5	76.7	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.3
IV 3000	67.2	73.0	75.2	77.1	78.6	78.6	78.8	79.0	79.0	79.1	79.1	79.1	79.1	79.2	79.2	79.3
IV 2500	67.7	74.0	76.3	78.6	80.3	80.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.3
IV 2000	68.4	75.2	77.8	80.3	82.1	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.2
IV 1800	68.7	75.5	78.2	80.8	82.6	82.8	83.2	83.4	83.4	83.5	83.5	83.5	83.5	83.6	83.6	83.7
IV 1500	69.4	76.6	79.3	82.0	83.9	84.2	84.6	84.9	84.9	85.0	85.0	85.0	85.0	85.1	85.1	85.4
IV 1200	69.4	76.8	79.6	82.4	84.3	84.7	85.1	85.5	85.5	85.6	85.6	85.6	85.6	85.7	85.7	86.0
IV 1000	69.8	77.0	79.9	82.7	84.7	85.1	85.5	85.9	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.4
IV 900	69.8	77.1	80.0	82.9	84.9	85.3	85.7	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.6
IV 800	69.8	77.1	80.0	82.9	84.9	85.3	85.7	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.6
IV 700	69.8	77.1	80.0	82.9	84.9	85.3	85.7	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.6
IV 600	69.7	77.0	80.0	82.8	84.8	85.2	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.5
IV 500	69.7	77.0	80.0	82.8	84.8	85.2	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.5
IV 400	69.7	77.0	80.0	82.8	84.8	85.2	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.5
IV 300	69.7	77.0	80.0	82.8	84.8	85.2	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.5
IV 200	69.7	77.0	80.0	82.8	84.8	85.2	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.5
IV 100	69.7	77.0	80.0	82.8	84.8	85.2	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.5
0	69.7	77.0	80.0	82.8	84.8	85.2	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.5

TOTAL NUMBER OF OBSERVATIONS 1302

C
2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 STATION PHASE AFB N H/PORTRSMOUTH STATION NAME 57-70 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 MONTH (L.P.M.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.3	56.3	56.8	57.4	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.3
≥ 20000	55.5	58.7	59.4	60.0	60.4	60.6	60.6	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.9
≥ 18000	55.6	58.8	59.5	60.1	60.5	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.0
≥ 16000	55.9	59.1	59.7	60.3	60.8	60.9	60.9	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.3
≥ 14000	56.3	59.9	60.6	61.2	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.1
≥ 12000	57.0	60.4	61.2	61.8	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.7
≥ 10000	59.6	63.3	64.1	64.6	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.7
≥ 9000	60.2	64.0	64.7	65.3	65.8	66.0	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.3
≥ 8000	61.3	65.4	66.2	66.9	67.4	67.6	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.9
≥ 7000	62.5	66.8	67.7	68.5	69.0	69.2	69.2	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.5
≥ 6000	63.0	67.8	68.9	69.7	70.2	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.7
≥ 5000	63.5	68.3	70.0	71.1	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9	72.1
≥ 4500	64.5	69.9	71.1	72.2	72.6	73.0	73.0	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.3
≥ 4000	65.7	71.2	72.4	73.6	74.2	74.3	74.3	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.7
≥ 3500	66.4	72.4	73.7	75.2	75.8	75.9	75.9	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.3
≥ 3000	68.1	74.3	75.7	77.3	77.9	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.4
≥ 2500	69.3	75.7	77.1	78.9	79.8	80.0	80.1	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.4
≥ 2000	70.8	77.9	79.4	81.4	82.4	82.5	82.5	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.8
≥ 1800	71.1	78.1	79.7	81.8	83.0	83.4	83.4	83.4	83.7	83.7	83.8	83.8	83.8	83.8	83.8	84.0
≥ 1500	71.6	78.9	80.6	83.0	84.4	84.8	84.8	84.8	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.8
≥ 1200	72.2	79.7	81.4	84.0	85.7	86.3	86.3	86.3	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.2
≥ 1000	72.3	80.1	82.0	85.1	87.1	87.7	87.7	87.7	88.4	88.4	88.8	88.8	88.8	88.8	88.8	89.3
≥ 900	72.6	80.5	82.4	85.5	87.7	88.4	88.4	88.4	89.3	89.3	89.5	89.5	89.5	89.5	89.5	90.0
≥ 800	72.8	80.8	82.8	85.8	88.1	88.8	88.8	88.8	89.8	89.8	90.4	90.4	90.4	90.4	90.4	90.8
≥ 700	72.8	80.9	82.9	86.0	88.4	89.1	89.1	89.1	90.0	90.4	90.9	91.0	91.1	91.1	91.1	91.3
≥ 600	72.8	80.9	82.9	86.0	88.4	89.1	89.1	89.1	90.0	90.4	91.0	91.1	91.1	91.1	91.1	91.3
≥ 500	72.8	81.1	83.2	86.7	89.3	90.2	91.1	91.1	92.2	92.8	93.3	93.3	93.3	93.3	93.3	93.9
≥ 400	72.8	81.1	83.2	86.7	89.3	90.2	91.1	91.1	92.2	92.8	93.3	93.3	93.3	93.3	93.3	93.9
≥ 300	72.8	81.2	83.4	87.0	89.7	90.7	91.6	91.6	92.8	93.4	94.2	94.2	94.2	94.2	94.2	94.9
≥ 200	72.8	81.2	83.4	87.0	89.7	90.7	91.6	91.6	92.8	93.4	94.2	94.2	94.2	94.2	94.2	94.9
≥ 100	72.8	81.2	83.4	87.0	89.7	90.7	91.6	91.6	92.8	93.4	94.2	94.2	94.2	94.2	94.2	94.9
≥ 0	72.8	81.2	83.4	87.0	89.7	90.7	91.6	91.6	92.8	93.4	94.2	94.2	94.2	94.2	94.2	94.9

TOTAL NUMBER OF OBSERVATIONS 1185

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743
STATION

PEASE AFB N H/PORTSMOUTH
STATION NAME

97-70
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

C100-0500
MOUSE (L.T.F.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.0	53.0	53.5	54.2	54.5	54.6	54.6	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.8	55.1
≥ 20000	53.2	56.3	56.8	57.5	57.8	57.9	57.9	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.4
IN 18000	53.3	56.5	57.0	57.6	58.0	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.6
IN 16000	53.4	56.5	57.0	57.7	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.6
IN 14000	54.2	57.5	57.8	58.5	58.8	58.9	58.9	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.4
IN 12000	54.9	58.1	58.6	59.3	59.7	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	60.3
IN 10000	56.8	60.3	60.8	61.7	62.0	62.1	62.1	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.6
IN 9000	57.0	60.7	61.2	62.1	62.4	62.5	62.5	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	63.0
IN 8000	58.6	62.4	62.9	64.1	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	65.0
IN 7000	60.2	64.7	65.2	66.4	66.9	67.0	67.0	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.5
IN 6000	60.8	65.3	65.9	67.2	67.5	67.6	67.6	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	68.1
IN 5000	61.4	66.0	67.0	69.5	70.0	70.0	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.5
IN 4500	62.0	67.6	68.5	70.2	70.6	70.7	70.7	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.2
IN 4000	62.1	68.0	69.0	71.5	71.9	72.0	72.0	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.5
IN 3500	64.1	70.3	71.5	73.2	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.2
IN 3000	65.3	71.9	73.1	74.8	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.9
IN 2500	66.6	73.7	75.2	76.9	77.6	77.6	77.6	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	78.1
IN 2000	68.4	75.9	77.6	79.3	80.4	80.5	80.5	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	81.0
IN 1800	69.1	76.8	78.6	80.6	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3
IN 1500	70.3	78.4	80.3	82.4	83.9	84.1	84.1	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.7
IN 1200	70.4	79.0	81.0	83.2	84.9	85.1	85.1	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.8
IN 1000	70.4	79.1	81.3	83.7	85.0	85.3	85.3	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5	86.2
IN 900	70.5	79.2	81.4	83.9	85.2	85.5	85.5	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	86.5
IN 800	70.5	79.3	81.6	84.1	85.4	85.7	85.7	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	86.8
IN 700	70.5	79.4	81.7	84.2	85.5	85.8	85.8	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	87.0
IN 600	70.5	79.5	81.8	84.3	85.6	85.9	85.9	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	87.2
IN 500	70.5	79.6	81.9	84.4	85.7	86.0	86.0	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	87.4
IN 400	70.5	79.7	82.0	84.5	85.8	86.1	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3	87.6
IN 300	70.5	79.8	82.1	84.6	85.9	86.2	86.2	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	87.8
IN 200	70.5	79.9	82.2	84.7	86.0	86.3	86.3	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	88.0
IN 100	70.5	80.0	82.3	84.8	86.1	86.4	86.4	86.4	86.5	86.5	86.6	86.6	86.6	86.6	86.6	88.2
0	70.5	80.1	82.4	84.9	86.2	86.5	86.5	86.5	86.6	86.6	86.7	86.7	86.7	86.7	86.7	88.4

TOTAL NUMBER OF OBSERVATIONS 1118

C
2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 STATION PHASE AFB N H/PURTEMOUTH STATION NAME

57-70 YEARS

FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0800
OBS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	46.7	48.9	50.0	51.1	51.6	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.9
IV 18000 16000	49.5	52.1	53.4	54.6	55.0	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.4
IV 14000 12000	50.0	52.7	54.1	55.4	55.8	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.1
IV 10000 9000	53.3	56.3	57.8	59.1	59.6	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.9
IV 8000 7000	54.3	57.9	59.7	61.4	62.0	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 6000 5000	57.0	61.9	64.0	65.7	66.5	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0
IV 4500 4000	60.8	66.1	68.4	70.3	71.5	71.6	71.7	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	72.0
IV 3500 3000	62.1	68.2	70.7	72.7	74.0	74.2	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.6
IV 2500 2000	64.5	71.2	74.1	76.3	78.0	78.1	78.2	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 1800 1500	66.5	74.3	77.3	80.0	81.9	82.0	82.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.7
IV 1200 1000	67.8	76.5	79.7	82.5	84.7	84.9	85.1	85.6	85.7	86.1	86.1	86.2	86.2	86.2	86.2	86.2
IV 900 800	68.2	77.3	80.7	84.0	86.8	86.9	87.6	88.4	88.8	89.5	89.5	89.5	89.5	89.5	89.5	89.6
IV 700 600	68.2	77.6	81.0	84.9	87.4	87.7	88.6	89.5	90.0	91.0	91.5	91.6	91.7	91.8	91.8	91.9
IV 500 400	68.2	77.6	81.1	85.1	88.1	88.3	89.3	90.5	91.2	92.0	93.2	93.4	93.7	93.8	93.9	94.0
IV 300 200	68.2	77.7	81.2	85.2	88.3	88.5	89.5	91.0	91.8	92.9	94.0	95.9	96.3	96.8	96.9	97.0
IV 100 0	68.2	77.7	81.2	85.2	88.3	88.5	89.5	91.0	91.8	92.9	94.0	95.9	96.3	96.8	97.0	97.1

TOTAL NUMBER OF OBSERVATIONS 1182

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 STATION PEASE AFB N H/PORTSMOUTH

57-70 YEARS

FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100 HOUR (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.4	48.9	49.6	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	51.7	54.5	55.6	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 18000	51.7	54.5	55.6	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000	51.8	54.6	55.7	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7
IV 14000	52.9	55.9	57.0	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0
IV 12000	54.1	57.2	58.4	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4
IV 10000	56.2	59.7	61.0	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3
IV 9000	56.9	60.7	62.1	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4
IV 8000	57.7	62.1	63.6	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0
IV 7000	59.2	64.0	65.5	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	60.4	66.0	67.6	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 5000	61.7	67.7	69.3	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7
IV 4500	63.0	69.2	70.9	72.2	72.7	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0
IV 4000	64.4	70.6	72.3	73.8	74.3	74.3	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.6	74.6	74.6
IV 3500	65.1	71.6	73.4	75.0	75.5	75.5	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.9	75.9	75.9
IV 3000	65.9	72.5	74.3	76.2	76.8	76.8	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2
IV 2500	67.4	74.7	76.8	78.8	79.5	79.6	79.7	79.8	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.0
IV 2000	69.0	76.6	78.7	80.9	81.8	81.9	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.4	82.4	82.4
IV 1800	69.5	77.2	79.3	81.5	82.4	82.5	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.1	83.1	83.1
IV 1500	69.8	77.6	79.9	82.2	83.2	83.3	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.9	83.9	83.9
IV 1200	70.0	78.1	80.3	82.7	83.8	84.0	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5	84.5
IV 1000	70.0	78.5	80.8	83.3	84.4	84.6	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.1	85.1	85.1
IV 900	70.1	78.6	80.9	83.3	84.7	85.1	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9
IV 800	70.2	78.8	81.1	83.8	85.0	85.5	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.3
IV 700	70.2	78.9	81.2	84.0	85.6	86.1	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.9	86.9	86.9
IV 600	70.2	79.1	81.4	84.2	85.9	86.4	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.3
IV 500	70.2	79.1	81.4	84.4	86.4	86.9	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8
IV 400	70.2	79.1	81.4	84.7	86.8	87.4	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2
IV 300	70.2	79.1	81.4	84.7	86.8	87.4	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2
IV 200	70.2	79.1	81.4	84.7	86.8	87.4	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2
IV 100	70.2	79.1	81.4	84.7	86.8	87.4	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2
0	70.2	79.1	81.4	84.7	86.8	87.4	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2

TOTAL NUMBER OF OBSERVATIONS 1182

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2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION PEASE AFB H/PORTSMOUTH STATION NAME 57-70 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
LOCAL (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.0	50.0	50.0	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	54.3	54.5	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IVM 18000	54.3	56.7	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IVM 16000	54.6	56.8	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IVM 14000	55.4	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IVM 12000	57.6	60.2	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IVM 10000	60.4	63.3	63.5	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IVM 9000	61.2	64.1	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IVM 8000	63.0	66.0	66.2	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IVM 7000	64.6	67.7	67.9	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IVM 6000	65.6	68.6	68.9	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IVM 5000	66.6	69.8	70.0	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IVM 4500	68.0	71.4	71.8	72.4	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IVM 4000	69.4	72.9	73.5	74.1	74.4	74.4	74.4	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8
IVM 3500	71.0	74.8	75.4	76.0	76.5	76.5	76.5	76.7	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0
IVM 3000	72.4	76.3	77.0	77.7	78.2	78.2	78.2	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IVM 2500	73.9	78.1	79.0	79.8	80.7	80.7	80.7	80.8	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1
IVM 2000	75.0	79.7	80.7	81.6	82.6	82.6	82.6	82.8	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1
IVM 1800	75.4	80.3	81.3	82.3	83.3	83.3	83.3	83.5	83.5	83.6	83.8	83.8	83.8	83.8	83.8	83.8
IVM 1500	75.9	80.9	82.1	83.1	84.2	84.2	84.2	84.4	84.4	84.5	84.8	85.0	85.1	85.1	85.1	85.1
IVM 1200	75.9	81.1	82.3	83.6	84.9	85.1	85.4	85.7	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.4
IVM 1000	75.9	81.4	82.6	84.1	85.4	85.7	86.2	86.6	86.9	87.3	87.5	87.5	87.5	87.5	87.5	87.5
IVM 900	75.9	81.4	82.7	84.1	85.5	85.7	86.2	86.7	87.2	87.8	87.9	87.9	87.9	87.9	87.9	87.9
IVM 800	75.9	81.9	83.2	84.8	86.2	86.5	87.0	87.5	88.1	88.9	89.1	89.2	89.2	89.2	89.2	89.2
IVM 700	75.9	81.9	83.4	85.0	86.4	86.8	87.3	87.9	88.5	89.4	89.5	89.6	89.7	89.9	90.1	90.1
IVM 600	75.9	82.2	83.6	85.3	86.8	87.1	87.8	88.4	89.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVM 500	75.9	82.4	83.8	85.6	87.4	87.8	88.5	89.3	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IVM 400	75.9	82.4	83.9	85.7	87.6	88.0	88.8	89.6	90.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IVM 300	75.9	82.4	83.9	85.7	87.7	88.1	88.9	90.7	91.5	93.7	94.2	94.7	95.4	95.9	96.7	96.7
IVM 200	75.9	82.4	83.9	85.7	87.7	88.1	88.9	90.7	91.5	93.8	94.3	94.9	95.9	97.0	98.1	98.3
IVM 100	75.9	82.4	83.9	85.7	87.7	88.1	88.9	90.7	91.5	93.8	94.3	94.9	95.9	97.4	98.8	99.3
IVM 0	75.9	82.4	83.9	85.7	87.7	88.1	88.9	90.7	91.5	93.8	94.3	94.9	95.9	97.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1189

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

04763 PEASE AFB N H/PURISMOUTH

57-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.7	52.4	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 20000	58.4	59.1	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 18000	58.6	59.2	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 16000	58.8	59.3	59.8	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	59.3	60.0	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	60.8	61.7	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 10000	63.5	64.6	65.1	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 9000	64.3	65.3	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 8000	66.6	67.8	68.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 7000	68.9	70.1	70.8	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
IV 6000	69.6	71.1	71.8	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 5000	70.7	72.4	73.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500	71.6	73.6	74.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 4000	73.0	75.4	76.0	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
IV 3500	73.8	76.5	77.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 3000	73.4	78.2	79.2	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 2500	76.1	79.2	80.2	81.3	81.5	81.6	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.9	81.9	81.9
IV 2000	77.0	80.1	81.1	82.2	82.5	82.7	82.8	82.8	82.8	82.8	82.9	82.9	82.9	83.0	83.0	83.0
IV 1800	77.3	80.7	81.7	83.0	83.3	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.8	83.8	83.8
IV 1500	77.6	81.4	82.4	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.7	84.7	84.7
IV 1200	77.9	81.7	82.7	84.2	84.7	85.0	85.2	85.4	85.5	85.6	85.7	85.7	85.9	85.9	85.9	86.1
IV 1000	78.0	81.8	82.8	84.6	85.1	85.4	85.7	85.9	86.1	86.2	86.4	86.4	86.4	86.7	86.7	86.8
IV 900	78.1	81.9	82.9	84.6	85.2	85.6	85.9	86.2	86.4	86.7	86.8	87.0	87.3	87.3	87.3	87.4
IV 800	78.1	82.1	83.1	84.9	85.7	86.2	86.6	87.0	87.3	87.5	87.8	88.0	88.4	88.4	88.4	88.5
IV 700	78.1	82.2	83.3	85.3	86.2	86.8	87.2	87.6	88.1	88.5	88.9	89.1	89.5	89.6	89.6	89.9
IV 600	78.2	82.4	83.5	85.8	86.8	87.3	87.8	88.5	88.9	89.4	89.9	90.0	90.8	90.9	90.9	91.1
IV 500	78.3	82.5	83.7	86.0	87.3	87.8	88.6	89.5	90.2	91.4	92.1	92.5	93.4	93.5	93.6	93.8
IV 400	78.3	82.5	83.7	86.0	87.4	88.1	88.9	90.1	91.0	92.3	93.3	93.8	94.9	94.9	94.9	95.3
IV 300	78.3	82.5	83.7	86.1	87.7	88.4	89.3	90.7	91.6	93.2	94.4	94.9	96.1	96.2	96.7	97.0
IV 200	78.3	82.5	83.7	86.1	87.7	88.4	89.3	90.7	91.6	93.6	94.2	94.8	97.4	97.6	98.2	98.9
IV 100	78.3	82.5	83.7	86.1	87.7	88.4	89.3	90.7	91.6	93.6	94.2	94.8	97.4	97.6	98.4	99.4
IV 0	78.3	82.5	83.7	86.1	87.7	88.4	89.3	90.7	91.6	93.6	94.2	94.8	97.4	97.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1182

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 PEASE AFB N H/PURTSMOUTH

57-70 YEARS

PER MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1488-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	53.5	55.4	55.9	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1
≥ 20000	58.6	60.8	61.4	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5
IVN 18000	59.1	61.3	61.8	62.4	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0
IVN 16000	59.2	61.4	61.9	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1
IVN 14000	59.9	62.2	62.7	63.4	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
IVN 12000	61.5	63.9	64.4	65.1	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6
IVN 10000	62.6	65.5	66.0	66.7	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3
IVN 9000	62.7	65.6	66.1	66.8	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IVN 8000	64.6	67.8	68.4	69.1	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9
IVN 7000	65.9	69.4	70.0	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
IVN 6000	67.0	70.6	71.3	72.2	72.8	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1
IVN 5000	67.9	72.0	72.9	73.8	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8
IVN 4500	68.7	73.1	74.0	74.9	75.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0
IVN 4000	69.3	74.3	75.2	76.1	76.9	76.9	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
IVN 3500	69.8	75.2	76.1	77.1	77.9	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2
IVN 3000	71.1	76.8	77.7	78.9	79.9	79.9	79.9	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3
IVN 2500	71.9	78.1	79.3	80.6	81.9	81.9	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
IVN 2000	72.9	79.4	80.6	81.9	83.4	83.3	83.3	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1
IVN 1800	73.3	79.8	81.2	82.5	84.1	84.2	84.3	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8
IVN 1500	73.7	80.4	82.0	83.5	85.2	85.3	85.4	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0
IVN 1200	73.8	80.7	82.4	84.1	86.0	86.3	86.5	86.9	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IVN 1000	73.8	81.0	82.7	84.7	86.7	87.0	87.3	87.8	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.4
IVN 900	73.8	81.1	82.8	84.8	86.9	87.3	87.6	88.4	88.4	88.7	88.9	88.9	88.9	88.9	88.9	88.9	89.0
IVN 800	73.8	81.2	82.9	85.0	87.3	87.9	88.6	89.0	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.8
IVN 700	73.8	81.3	83.0	85.3	87.7	88.3	88.7	89.4	89.4	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.2
IVN 600	73.8	81.3	83.0	85.4	88.0	88.7	89.3	90.1	90.1	90.6	91.1	91.1	91.1	91.3	91.3	91.3	91.6
IVN 500	73.8	81.4	83.2	85.7	88.8	89.3	90.2	91.2	91.2	92.2	92.8	92.8	92.8	93.5	93.5	93.5	93.6
IVN 400	73.8	81.4	83.4	85.8	89.1	90.0	90.7	91.9	92.0	93.1	94.1	94.1	94.1	94.9	94.9	94.9	94.9
IVN 300	73.8	81.4	83.4	85.9	89.2	90.4	91.2	92.4	92.6	94.1	95.1	95.1	95.1	96.3	96.3	96.3	96.3
IVN 200	73.8	81.4	83.4	85.9	89.3	90.3	91.4	92.7	92.9	94.7	95.9	95.9	95.9	97.4	97.4	97.4	98.2
IVN 100	73.8	81.4	83.4	85.9	89.3	90.3	91.4	92.7	92.9	94.9	96.2	96.2	96.2	98.1	98.1	98.1	98.3
IVN 0	73.8	81.4	83.4	85.9	89.3	90.3	91.4	92.7	92.9	94.9	96.2	96.2	96.2	98.1	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1182

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743
STATION

PEASE AFB N H/PURTSMOUTH
STATION NAME

57-70
YEARS

BAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	49.8	53.6	54.5	55.1	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IVM 18000	51.3	55.2	56.1	56.8	57.7	57.7	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	58.0
IVM 16000	51.6	55.3	56.2	56.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.1	58.1
IVM 14000	51.7	55.6	56.5	57.1	58.1	58.1	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.4
IVM 12000	52.3	56.3	57.2	57.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.0	59.0	59.1	59.1
IVM 10000	53.8	57.9	58.8	59.4	60.4	60.4	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.8
IVM 9000	54.0	58.1	59.1	59.7	60.6	60.6	60.8	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.1
IVM 8000	55.3	59.9	60.8	61.4	62.4	62.4	62.5	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.8
IVM 7000	56.1	61.1	62.1	62.9	63.8	63.8	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
IVM 6000	57.3	62.6	63.7	64.7	65.6	65.7	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.3
IVM 5000	58.7	63.4	64.5	65.4	66.3	66.3	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.2
IVM 4500	61.9	68.0	69.2	70.3	71.2	71.3	71.9	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.9
IVM 4000	62.1	69.3	70.8	71.9	72.8	72.9	73.2	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.6
IVM 3500	64.4	71.2	72.6	73.8	74.7	74.8	75.1	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.5
IVM 3000	66.6	73.6	74.9	76.2	77.4	77.5	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.1	78.2
IVM 2500	67.4	75.0	76.5	78.1	79.3	79.4	79.7	79.7	79.7	79.9	80.0	80.0	80.0	80.0	80.1
IVM 2000	67.8	76.3	78.3	80.0	81.4	81.5	81.8	81.8	81.8	82.0	82.1	82.1	82.1	82.1	82.3
IVM 1800	68.0	76.8	78.8	80.5	82.1	82.2	82.5	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.9
IVM 1500	68.6	77.3	79.3	81.3	82.9	83.0	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.9
IVM 1200	68.7	77.7	80.4	82.4	84.3	84.3	84.8	84.8	84.8	85.1	85.2	85.2	85.2	85.2	85.3
IVM 1000	68.7	77.8	80.7	82.8	84.9	85.0	85.5	85.5	85.5	85.7	85.8	85.8	85.8	85.8	86.3
IVM 900	68.7	77.9	80.9	83.0	85.4	85.5	86.1	86.2	86.2	86.5	86.6	86.6	86.6	86.6	86.8
IVM 800	68.7	78.1	81.1	83.3	86.0	86.2	87.0	87.2	87.2	87.7	88.0	88.1	88.1	88.1	88.2
IVM 700	68.7	78.3	81.6	84.1	86.9	87.3	88.0	88.2	88.2	88.7	89.1	89.2	89.2	89.3	89.4
IVM 600	68.7	78.3	81.7	84.6	87.6	88.0	88.9	89.2	89.2	89.8	90.2	90.4	90.4	90.4	90.4
IVM 500	68.7	78.6	82.3	85.3	88.7	89.2	90.2	90.6	90.8	91.3	91.9	92.1	92.2	92.3	92.6
IVM 400	68.7	78.6	82.3	85.3	89.1	89.7	91.1	91.6	91.9	92.3	92.4	92.8	92.9	92.9	94.2
IVM 300	68.7	78.6	82.4	85.6	89.7	90.4	91.9	92.7	93.3	94.3	95.3	95.6	96.1	96.2	96.6
IVM 200	68.7	78.8	82.6	86.2	90.8	90.6	92.5	93.3	94.0	95.2	96.3	96.7	97.3	97.3	98.3
IVM 100	68.7	78.6	82.4	85.6	89.8	90.6	92.5	93.3	94.0	95.2	96.7	96.9	97.6	98.4	99.4
IVM 0	68.7	78.8	82.6	85.6	89.8	90.6	92.5	93.3	94.0	95.2	96.7	96.9	97.6	98.4	99.4

TOTAL NUMBER OF OBSERVATIONS 1302

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION DATA 7 PEASE AFB N H/PORTSMOUTH YEARS 57-70 MONTH MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

FORM 0-100-0100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.9	51.5	52.6	54.0	54.5	54.7	54.8	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.2
≥ 20000	50.8	53.0	54.1	55.4	56.2	56.4	56.5	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	57.0
IV 18000	50.5	53.1	54.2	55.7	56.3	56.5	56.6	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.1
IV 16000	50.5	53.1	54.2	55.7	56.3	56.5	56.6	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.1
IV 14000	50.9	53.5	54.6	56.1	56.8	56.9	57.1	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.5
IV 12000	51.7	54.2	55.4	56.8	57.5	57.7	57.8	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.3
IV 10000	52.9	55.7	56.8	58.3	59.0	59.1	59.3	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.8
IV 9000	53.4	56.4	57.5	59.0	59.7	59.8	60.0	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.4
IV 8000	54.3	57.7	58.8	60.3	61.0	61.1	61.3	61.4	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.8
IV 7000	55.2	59.1	60.3	61.8	62.5	62.7	62.8	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.3
IV 6000	56.9	61.0	62.2	63.7	64.4	64.6	64.7	64.9	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.2
IV 5000	59.3	63.6	65.0	66.4	67.2	67.4	67.5	67.7	67.7	67.8	67.9	67.9	67.9	67.9	67.9	68.1
IV 4500	61.4	65.7	67.1	68.7	69.4	69.7	70.0	70.2	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.6
IV 4000	62.4	67.0	68.5	70.1	70.9	71.2	71.2	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	72.0
IV 3500	64.1	69.1	70.7	72.4	73.3	73.7	74.0	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.5
IV 3000	65.1	70.7	72.5	74.3	75.3	75.6	75.9	76.0	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.4
IV 2500	66.6	73.0	74.9	77.0	78.0	78.3	78.6	78.7	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.3
IV 2000	67.4	74.3	76.3	78.6	79.8	80.1	80.3	80.4	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.2
IV 1800	67.4	74.4	76.5	79.0	80.2	80.5	80.9	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.6
IV 1500	67.9	75.5	77.6	80.3	81.8	82.1	82.6	82.9	82.9	83.0	83.2	83.2	83.2	83.2	83.2	83.4
IV 1200	67.9	76.0	78.2	81.0	82.6	82.9	83.6	83.9	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.6
IV 1000	67.9	76.3	78.5	81.3	83.3	83.6	84.3	84.6	84.6	84.9	85.0	85.0	85.0	85.0	85.0	85.3
IV 900	68.0	76.6	78.8	81.9	84.0	84.4	85.1	85.3	85.4	85.8	85.9	86.0	86.1	86.1	86.1	86.3
IV 800	68.0	76.7	78.9	82.3	84.7	85.1	85.9	86.2	86.3	86.6	86.9	87.0	87.1	87.1	87.1	87.3
IV 700	68.0	76.9	79.1	82.4	85.3	85.6	86.3	86.7	86.8	87.3	87.7	87.8	87.9	87.9	87.9	88.1
IV 600	68.0	76.8	79.0	82.3	85.4	85.7	86.4	86.8	86.9	87.3	87.9	88.0	88.0	88.0	88.0	88.2
IV 500	68.0	77.0	79.2	84.3	87.9	88.0	89.0	89.3	89.6	91.9	92.4	92.3	92.3	92.3	92.3	93.0
IV 400	68.0	77.0	79.2	84.3	87.9	88.0	89.0	89.3	89.6	91.9	92.4	92.3	92.3	92.3	92.3	93.0
IV 300	68.0	77.0	79.2	84.3	87.9	88.0	89.0	89.3	89.6	91.9	92.4	92.3	92.3	92.3	92.3	93.0
IV 200	68.0	77.0	79.2	84.3	87.9	88.0	89.0	89.3	89.6	91.9	92.4	92.3	92.3	92.3	92.3	93.0
IV 100	68.0	77.0	79.2	84.3	87.9	88.0	89.0	89.3	89.6	91.9	92.4	92.3	92.3	92.3	92.3	93.0
IV 0	68.0	77.0	79.2	84.3	87.9	88.0	89.0	89.3	89.6	91.9	92.4	92.3	92.3	92.3	92.3	93.0

TOTAL NUMBER OF OBSERVATIONS 1302

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PEASE AFB N H/PURISMOUTH

YEARS 57-70

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM 1170
0-10-60

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.5	46.9	47.4	48.0	48.5	48.5	48.6	48.8	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.1
IV 20000	48.4	50.1	50.7	51.3	51.8	51.8	52.0	52.2	52.3	52.3	52.4	52.4	52.5	52.5	52.5	52.5
IV 18000	48.5	50.2	50.8	51.4	51.9	51.9	52.1	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.6
IV 16000	48.7	50.5	51.2	51.8	52.4	52.4	52.5	52.8	52.8	52.8	52.9	52.9	53.0	53.0	53.1	53.1
IV 14000	48.9	50.8	51.5	52.2	52.8	52.8	53.0	53.2	53.2	53.3	53.4	53.4	53.5	53.5	53.5	53.6
IV 12000	49.8	51.8	52.5	53.2	53.9	53.9	54.1	54.3	54.3	54.4	54.5	54.5	54.6	54.6	54.6	54.7
IV 10000	51.5	54.0	54.8	55.7	56.5	56.5	56.8	57.0	57.0	57.1	57.1	57.1	57.3	57.3	57.3	57.4
IV 9000	52.8	55.3	56.1	57.1	58.0	58.0	58.2	58.4	58.4	58.5	58.6	58.6	58.8	58.8	58.8	58.8
IV 8000	54.4	57.3	58.2	59.3	60.1	60.2	60.4	60.7	60.7	60.8	60.8	60.8	61.0	61.0	61.0	61.1
IV 7000	56.5	59.6	60.7	62.0	62.9	63.0	63.2	63.4	63.4	63.5	63.6	63.6	63.7	63.7	63.7	63.8
IV 6000	58.4	61.6	62.7	64.1	65.1	65.2	65.4	65.7	65.7	65.8	65.8	65.8	66.0	66.0	66.0	66.1
IV 5000	60.4	63.7	64.7	66.2	67.2	67.3	67.3	67.7	67.7	67.8	67.8	67.8	68.0	68.0	68.0	68.1
IV 4500	63.2	66.6	67.7	69.2	70.3	70.4	70.6	70.9	70.9	71.0	71.0	71.0	71.2	71.2	71.2	71.3
IV 4000	66.0	69.6	70.7	72.3	73.4	73.4	73.7	74.0	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.4
IV 3500	69.6	73.3	74.4	76.0	77.1	77.1	77.4	77.7	77.7	77.8	77.8	77.8	78.0	78.0	78.0	78.1
IV 3000	67.0	71.3	72.4	74.0	75.1	75.1	75.4	75.7	75.7	75.8	75.8	75.8	76.0	76.0	76.0	76.1
IV 2500	67.7	72.4	73.5	75.1	76.2	76.2	76.5	76.8	76.8	76.9	76.9	76.9	77.1	77.1	77.1	77.2
IV 2000	68.7	73.6	74.7	76.3	77.4	77.4	77.7	78.0	78.0	78.1	78.1	78.1	78.3	78.3	78.3	78.4
IV 1800	69.0	74.0	75.1	76.7	77.8	77.8	78.1	78.4	78.4	78.5	78.5	78.5	78.7	78.7	78.7	78.8
IV 1500	69.7	75.0	76.1	77.7	78.8	78.8	79.1	79.4	79.4	79.5	79.5	79.5	79.7	79.7	79.7	79.8
IV 1200	69.8	75.7	76.8	78.4	79.5	79.5	79.8	80.1	80.1	80.2	80.2	80.2	80.4	80.4	80.4	80.5
IV 1000	70.0	76.1	77.2	78.8	79.9	79.9	80.2	80.5	80.5	80.6	80.6	80.6	80.8	80.8	80.8	80.9
IV 900	70.2	76.4	77.5	79.1	80.2	80.2	80.5	80.8	80.8	80.9	80.9	80.9	81.1	81.1	81.1	81.2
IV 800	70.4	76.7	77.8	79.4	80.5	80.5	80.8	81.1	81.1	81.2	81.2	81.2	81.4	81.4	81.4	81.5
IV 700	70.4	76.8	77.9	79.5	80.6	80.6	80.9	81.2	81.2	81.3	81.3	81.3	81.5	81.5	81.5	81.6
IV 600	70.4	77.0	78.1	79.7	80.8	80.8	81.1	81.4	81.4	81.5	81.5	81.5	81.7	81.7	81.7	81.8
IV 500	70.4	77.0	78.1	79.7	80.8	80.8	81.1	81.4	81.4	81.5	81.5	81.5	81.7	81.7	81.7	81.8
IV 400	70.4	77.0	78.1	79.7	80.8	80.8	81.1	81.4	81.4	81.5	81.5	81.5	81.7	81.7	81.7	81.8
IV 300	70.4	77.0	78.1	79.7	80.8	80.8	81.1	81.4	81.4	81.5	81.5	81.5	81.7	81.7	81.7	81.8
IV 200	70.4	77.0	78.1	79.7	80.8	80.8	81.1	81.4	81.4	81.5	81.5	81.5	81.7	81.7	81.7	81.8
IV 100	70.4	77.0	78.1	79.7	80.8	80.8	81.1	81.4	81.4	81.5	81.5	81.5	81.7	81.7	81.7	81.8
IV 0	70.4	77.0	78.1	79.7	80.8	80.8	81.1	81.4	81.4	81.5	81.5	81.5	81.7	81.7	81.7	81.8

TOTAL NUMBER OF OBSERVATIONS 1102

C
2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 PLASE AFB 4 W/PORTSMOUTH

57-70

YEARS

PAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0800-1100
FORM 11-73

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	45.2	46.1	46.5	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 20000	50.1	51.1	51.5	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
MV 18000	50.2	51.3	51.8	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
MV 16000	50.5	51.6	52.1	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
MV 14000	50.9	52.0	52.6	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
MV 12000	52.2	53.2	53.9	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
MV 10000	55.2	56.5	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
MV 9000	56.1	57.4	58.3	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
MV 8000	58.5	60.1	61.2	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
MV 7000	60.8	62.5	63.7	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
MV 6000	61.3	63.1	64.4	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
MV 5000	62.9	65.2	66.5	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
MV 4500	64.4	66.9	68.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
MV 4000	66.1	68.6	70.0	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
MV 3500	67.0	69.6	71.0	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
MV 3000	69.6	72.8	73.8	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
MV 2500	71.0	74.0	75.6	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
MV 2000	71.8	75.2	76.8	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
MV 1800	72.3	75.7	77.2	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
MV 1500	73.7	77.8	79.2	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
MV 1200	74.2	78.4	80.3	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
MV 1000	74.2	78.0	80.0	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
MV 900	74.8	79.0	81.0	82.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
MV 800	76.8	79.2	81.2	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
MV 700	76.8	79.7	81.0	83.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
MV 600	78.0	80.0	82.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
MV 500	79.0	80.0	82.4	84.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
MV 400	79.0	80.9	82.8	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
MV 300	79.0	80.0	82.8	83.3	87.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
MV 200	79.0	80.0	82.8	83.6	87.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
MV 100	79.0	80.0	82.8	83.6	87.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
MV 0	79.0	80.0	82.8	83.6	87.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0

TOTAL NUMBER OF OBSERVATIONS 1302

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 PEASE AFB N H/PURTSMOUTH

57-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.0	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	48.8	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
18000	48.9	50.0	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
16000	49.2	50.2	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
14000	49.8	50.9	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
12000	50.7	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
10000	52.8	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
9000	54.7	55.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
8000	57.1	58.6	59.0	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
7000	58.5	60.1	60.5	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
6000	59.7	61.4	61.8	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
5000	62.0	64.1	64.5	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
4500	63.7	66.1	66.5	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
4000	67.8	70.6	70.8	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
3500	69.0	71.7	72.0	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
3000	71.9	74.8	75.0	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2500	73.3	76.2	76.7	77.7	78.0	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2000	74.9	78.0	78.6	80.3	80.6	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
1800	75.5	78.9	79.5	81.3	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
1500	76.6	80.3	81.0	82.7	83.2	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
1200	76.7	80.9	81.8	84.0	84.6	84.8	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4
1000	77.3	81.8	82.9	85.2	85.8	86.1	86.1	86.6	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9
900	77.6	82.2	83.3	85.6	86.3	86.6	86.6	87.0	87.3	87.5	87.6	87.6	87.6	87.7	87.7	87.7
800	77.6	82.3	83.4	85.8	86.5	86.8	86.8	87.3	87.5	87.7	87.8	87.8	87.8	87.9	87.9	87.9
700	77.7	82.8	83.9	86.1	86.8	87.1	87.1	87.6	87.8	88.0	88.1	88.1	88.1	88.2	88.2	88.2
600	77.7	82.8	83.9	86.1	86.8	87.1	87.1	87.6	87.8	88.0	88.1	88.1	88.1	88.2	88.2	88.2
500	77.8	83.3	84.4	86.6	87.3	87.6	87.6	88.1	88.3	88.5	88.6	88.6	88.6	88.7	88.7	88.7
400	77.8	83.3	84.4	86.6	87.3	87.6	87.6	88.1	88.3	88.5	88.6	88.6	88.6	88.7	88.7	88.7
300	77.8	83.3	84.4	86.6	87.3	87.6	87.6	88.1	88.3	88.5	88.6	88.6	88.6	88.7	88.7	88.7
200	77.8	83.3	84.4	86.6	87.3	87.6	87.6	88.1	88.3	88.5	88.6	88.6	88.6	88.7	88.7	88.7
100	77.8	83.3	84.4	86.6	87.3	87.6	87.6	88.1	88.3	88.5	88.6	88.6	88.6	88.7	88.7	88.7
0	77.8	83.3	84.4	86.6	87.3	87.6	87.6	88.1	88.3	88.5	88.6	88.6	88.6	88.7	88.7	88.7

TOTAL NUMBER OF OBSERVATIONS 1202

C
2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION PLANE AND N W/PORTSMOUTH STATION NAME

57-70 YEARS

MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1700 TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.5	46.2	46.4	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	51.0	51.9	52.2	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
18000	51.8	52.7	52.9	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
16000	52.2	53.1	53.3	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
14000	53.0	53.9	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
12000	54.1	55.1	55.3	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
10000	55.5	56.8	57.1	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
9000	56.3	57.6	57.9	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
8000	58.2	59.8	60.2	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
7000	59.6	61.5	61.8	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
6000	60.9	62.8	63.3	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
5000	63.8	65.5	66.1	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
4500	66.2	68.5	69.1	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
4000	68.5	72.0	72.8	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
3500	71.3	74.3	74.8	75.7	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
3000	72.4	76.8	77.1	78.0	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2500	74.8	77.9	78.5	79.6	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
2000	75.8	79.4	80.2	81.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
1800	76.3	80.1	80.8	82.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
1500	77.8	81.5	82.5	84.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
1200	77.8	82.5	83.3	85.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
1000	78.0	82.9	84.0	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
900	78.1	83.1	84.2	86.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
800	78.2	83.3	84.4	86.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
700	78.2	83.8	85.1	87.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
600	78.2	84.0	85.3	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
500	78.2	84.0	85.3	89.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
400	78.2	84.1	85.4	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
300	78.2	84.2	85.4	90.9	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
200	78.2	84.1	85.4	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
100	78.2	84.1	85.4	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
0	78.2	84.1	85.4	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8

TOTAL NUMBER OF OBSERVATIONS 1200

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04762 STATION PEASE AFB N H/BURTSWORTH SEARCH DATE

57-70 YEARS

MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.8	51.3	52.1	52.4	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 2000	52.5	53.3	54.1	54.6	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IVM 18000	52.6	53.4	54.1	54.7	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IVM 16000	52.8	53.6	54.4	54.9	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IVM 14000	53.3	56.1	56.8	57.4	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IVM 12000	54.3	57.6	58.4	58.9	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IVM 10000	57.1	60.6	61.3	62.1	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IVM 9000	57.3	61.1	62.0	62.4	63.2	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IVM 8000	58.8	62.4	63.3	63.9	64.5	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IVM 7000	60.6	64.4	65.4	66.1	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IVM 6000	61.3	65.1	66.1	66.7	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IVM 5000	63.4	67.8	68.7	69.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IVM 4500	63.8	70.4	71.6	72.4	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IVM 4000	67.3	72.3	73.4	74.3	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IVM 3500	68.3	73.4	74.7	75.7	76.3	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IVM 3000	70.4	74.0	75.3	76.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IVM 2500	71.8	77.3	79.2	80.6	81.6	81.8	81.8	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0
IVM 2000	72.1	78.1	79.8	81.7	82.8	82.9	82.9	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
IVM 1800	72.7	78.9	80.6	82.3	83.6	83.7	83.8	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0
IVM 1500	73.2	79.8	81.8	83.8	85.0	85.1	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IVM 1200	73.4	80.3	82.3	84.6	86.3	86.3	86.3	86.3	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1
IVM 1000	73.8	80.4	82.7	85.1	87.0	87.4	87.4	87.4	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3
IVM 900	73.6	80.6	82.9	85.3	87.2	87.6	87.6	87.6	88.0	88.1	88.5	88.5	88.5	88.5	88.5	88.5
IVM 800	73.7	80.8	83.2	85.7	87.7	88.4	88.4	88.4	88.9	88.9	89.4	89.4	89.4	89.4	89.4	89.4
IVM 700	73.7	80.9	83.4	86.2	88.6	89.1	89.1	89.1	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
IVM 600	73.7	81.0	83.6	86.3	89.1	89.7	89.7	89.7	90.3	90.3	91.1	91.1	91.1	91.1	91.1	91.1
IVM 500	73.7	81.0	83.6	86.3	89.6	90.4	90.4	90.4	91.4	91.4	92.3	92.3	92.3	92.3	92.3	92.3
IVM 400	73.7	81.0	83.6	86.3	89.6	91.8	91.8	91.8	92.7	92.7	93.8	93.8	93.8	93.8	93.8	93.8
IVM 300	73.7	81.0	83.6	86.3	89.6	91.8	91.8	91.8	92.7	92.7	94.4	94.4	94.4	94.4	94.4	94.4
IVM 200	73.7	81.0	83.6	86.3	89.6	91.8	91.8	91.8	92.7	92.7	94.4	94.4	94.4	94.4	94.4	94.4
IVM 100	73.7	81.0	83.6	86.3	89.6	91.8	91.8	91.8	92.7	92.7	94.4	94.4	94.4	94.4	94.4	94.4
IVM 0	73.7	81.0	83.6	86.3	89.6	91.8	91.8	91.8	92.7	92.7	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS 1102

2

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04723 BASE AFB W H/PORTSMOUTH STATION NAME

57-70 YEARS

BAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.2	53.1	54.4	54.8	55.1	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 20000	52.7	56.2	57.5	58.0	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 18000	52.8	56.3	57.5	58.1	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 16000	52.9	56.3	57.5	58.3	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 14000	53.0	56.6	57.8	58.4	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 12000	53.8	57.7	58.9	59.5	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 10000	55.5	59.8	61.0	61.7	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 9000	56.1	60.4	61.7	62.4	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 8000	57.8	62.3	63.6	64.3	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 7000	58.8	63.7	65.1	65.8	66.1	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 6000	60.4	65.6	67.1	68.2	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 5000	62.4	68.0	69.5	70.7	71.0	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 4500	64.1	70.1	71.7	73.1	73.4	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 4000	65.7	71.7	73.3	74.7	75.0	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3500	67.9	74.3	75.8	77.3	77.6	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 3000	68.9	75.7	77.2	78.9	79.1	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 2500	69.8	77.0	78.7	80.8	81.4	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 2000	70.4	78.2	80.2	82.3	82.9	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	70.5	78.5	80.5	82.6	83.4	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1500	70.7	79.1	81.2	83.4	84.4	84.8	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1200	70.9	79.3	81.9	84.4	85.7	86.2	86.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1000	71.0	79.5	82.3	85.1	86.6	87.3	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 900	71.0	79.9	82.6	85.3	86.9	87.5	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 800	71.0	80.0	82.8	85.6	87.3	88.0	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 700	71.3	80.3	83.4	86.2	88.2	88.9	89.9	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 400	71.3	80.5	83.6	86.8	89.1	89.9	90.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 500	71.4	80.6	83.8	87.1	89.6	90.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 400	71.4	80.6	83.8	87.1	89.9	91.2	92.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 300	71.4	80.6	83.8	87.2	90.2	91.4	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 200	71.4	80.6	83.8	87.3	90.2	91.5	93.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 100	71.4	80.6	83.8	87.3	90.2	91.5	93.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 0	71.4	80.6	83.8	87.3	90.2	91.5	93.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS 1302

C
2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION PHASE AFB N W/PORSMOUTH 56-70 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0700
HOURS (L.Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.4	51.0	52.0	52.7	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	50.1	53.1	54.2	55.1	55.4	55.4	55.4	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6
IV 18000	50.3	53.3	54.4	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8
IV 16000	50.5	53.5	54.6	55.4	55.8	55.8	55.8	55.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0
IV 14000	51.1	54.1	55.2	56.1	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 12000	51.8	55.0	56.1	56.9	57.3	57.3	57.3	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5
IV 10000	54.1	57.5	58.6	59.4	59.8	59.8	59.8	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0
IV 9000	54.4	57.9	59.1	60.0	60.3	60.3	60.3	60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5
IV 8000	57.2	61.6	63.0	63.8	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.5
IV 7000	58.7	63.5	65.1	66.0	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.9	66.9	66.9	66.9	67.0
IV 6000	60.1	65.5	67.1	68.0	68.6	68.7	68.7	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	69.0
IV 5000	62.6	68.8	70.3	71.4	72.0	72.1	72.1	72.1	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.4
IV 4500	64.4	70.9	72.6	73.8	74.4	74.4	74.4	74.4	74.4	74.5	74.6	74.7	74.7	74.7	74.7	74.8
IV 4000	65.2	71.8	73.5	74.7	75.3	75.3	75.3	75.3	75.4	75.5	75.6	75.7	75.7	75.7	75.7	75.8
IV 3500	66.0	72.6	74.4	75.6	76.2	76.3	76.4	76.4	76.4	76.5	76.6	76.7	76.8	76.8	76.8	76.8
IV 3000	66.5	73.3	75.0	76.3	77.1	77.1	77.2	77.2	77.2	77.3	77.5	77.5	77.6	77.6	77.6	77.7
IV 2500	67.3	74.4	76.2	77.8	78.6	78.7	78.7	78.7	78.7	78.8	79.0	79.0	79.1	79.1	79.1	79.2
IV 1800	68.6	76.3	78.2	80.1	80.9	81.0	81.1	81.1	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.5
IV 1500	69.5	77.3	79.3	81.5	82.3	82.4	82.5	82.5	82.5	82.7	82.7	82.7	82.9	83.0	83.0	83.1
IV 1200	69.8	77.9	80.5	82.7	83.9	83.9	84.0	84.0	84.0	84.1	84.2	84.3	84.4	84.4	84.4	84.5
IV 1000	70.1	78.3	81.1	83.3	84.8	84.8	84.9	84.9	84.9	85.1	85.2	85.3	85.4	85.4	85.4	85.5
IV 900	70.2	78.6	81.2	83.7	85.2	85.3	85.4	85.4	85.4	85.6	85.7	85.8	85.9	85.9	85.9	86.0
IV 800	70.4	78.9	81.5	84.2	85.8	85.9	86.0	86.0	86.0	86.3	86.3	86.4	86.5	86.5	86.5	86.6
IV 700	70.5	79.1	81.9	84.6	86.4	86.6	86.7	86.7	86.7	87.0	87.0	87.3	87.3	87.4	87.4	87.7
IV 600	70.8	79.0	82.3	85.4	87.3	87.3	87.4	87.4	87.4	87.8	87.8	88.2	88.2	88.3	88.3	88.7
IV 500	70.9	79.1	82.5	85.8	87.9	87.9	88.0	88.0	88.0	88.4	88.4	88.9	88.9	89.0	89.0	89.2
IV 400	70.9	79.2	82.8	86.3	88.5	88.5	88.6	88.6	88.6	89.1	89.1	89.7	89.7	89.8	89.8	90.1
IV 300	70.9	79.4	83.1	86.8	89.1	89.1	89.2	89.2	89.2	89.8	89.8	90.5	90.5	90.6	90.6	90.9
IV 200	70.9	79.6	83.5	87.4	90.0	90.0	90.1	90.1	90.1	90.8	90.8	91.7	91.7	91.8	91.8	92.2
IV 100	70.9	79.4	83.3	87.6	91.6	91.6	91.7	91.7	91.7	92.6	92.6	93.7	93.7	93.8	93.8	94.2
IV 0	70.9	79.4	83.3	87.6	91.6	91.6	91.7	91.7	91.7	92.6	92.6	93.7	93.7	93.8	93.8	94.2

TOTAL NUMBER OF OBSERVATIONS 1325

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04742 STATION PEASE AFB N H/PORUSHOUTH STATION NAME

56-70 YEARS

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-0500 HOUR (L.T.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	43.9	49.8	50.6	51.7	52.0	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.8
≥ 20000	47.4	51.4	52.2	53.3	53.5	53.7	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.4
IVM 18000	47.5	51.5	52.3	53.5	53.7	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.6
IVM 16000	47.7	51.7	52.5	53.6	53.8	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.8
IVM 14000	48.6	52.6	53.5	54.6	54.9	55.1	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.8
IVM 12000	50.2	54.2	55.1	56.2	56.5	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.1	57.4
IVM 10000	52.5	56.9	57.9	59.0	59.4	59.6	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.3
IVM 9000	53.3	57.9	59.0	60.2	60.6	60.7	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.5
IVM 8000	55.0	60.2	61.3	62.5	62.9	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.5	63.8
IVM 7000	57.0	62.3	63.5	64.9	65.3	65.5	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.0	66.3
IVM 6000	58.0	63.6	64.8	66.2	66.7	66.8	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.6
IVM 5000	60.1	66.3	67.6	69.1	69.5	69.7	69.8	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.5
IVM 4500	61.0	67.5	69.1	70.5	71.0	71.1	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.8	72.1
IVM 4000	61.7	68.2	69.8	71.3	71.8	71.9	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	73.0
IVM 3500	62.7	69.5	71.2	72.7	73.3	73.5	73.7	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.5
IVM 3000	63.7	71.6	73.5	75.0	75.6	75.9	76.1	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.9
IVM 2500	64.7	73.2	75.6	77.2	78.0	78.2	78.4	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	79.0	79.3
IVM 2000	65.5	74.4	76.8	78.4	79.2	79.4	79.6	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.2	80.5
IVM 1800	65.6	74.9	77.2	79.0	79.8	80.0	80.2	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.8	81.1
IVM 1500	66.5	76.1	78.4	80.2	81.1	81.4	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.4
IVM 1200	67.2	77.0	79.6	81.5	82.6	82.9	83.2	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.8	84.1
IVM 1000	67.8	77.5	80.0	82.1	83.3	83.6	83.9	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.5	84.8
IVM 900	67.6	77.8	80.3	82.4	83.9	84.2	84.5	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.4
IVM 800	67.9	78.2	80.9	83.2	84.1	84.4	84.7	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.5	85.8
IVM 700	68.0	78.4	81.6	84.2	85.4	85.7	86.0	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.8	87.1
IVM 600	68.0	78.5	82.0	85.0	87.6	87.9	88.3	88.6	88.6	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.6
IVM 500	68.3	79.0	82.8	85.9	88.8	89.3	90.2	90.6	90.6	90.6	91.0	91.3	91.3	91.3	91.3	91.4	91.7
IVM 400	68.3	79.2	83.8	86.9	90.0	91.2	92.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1	93.4
IVM 300	68.3	79.2	83.9	87.0	90.7	91.6	92.5	94.2	94.2	94.2	94.9	95.2	95.2	95.2	95.2	95.6	96.1
IVM 200	68.3	79.2	83.9	87.0	90.7	91.8	92.8	94.9	94.9	94.9	95.1	95.4	95.4	95.4	95.4	95.8	96.2
IVM 100	68.3	79.2	83.9	87.0	90.7	91.8	92.8	94.9	94.9	94.9	95.2	95.6	95.6	95.6	95.6	96.0	96.6
IVM 0	68.3	79.2	83.9	87.0	90.7	91.8	92.8	94.9	94.9	94.9	95.2	95.6	95.6	95.6	95.6	96.0	96.6

TOTAL NUMBER OF OBSERVATIONS 1226

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION CA742 PEASE AFB N H/PORTRSMOUTH

YEARS 56-70

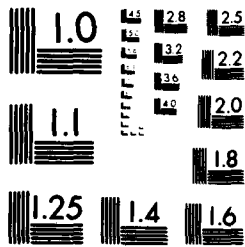
MONTH APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

FORM (REV.) 0-14-5 (OL 1)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.6	48.1	48.8	48.9	49.1	49.2	49.2	49.2	49.2	49.3	49.5	49.5	49.5	49.5	49.5	49.7
IV 20000	48.1	52.0	52.8	52.1	52.2	52.2	52.2	52.3	52.4	52.5	52.6	52.6	52.7	52.7	52.7	52.8
IV 18000	48.4	52.3	52.1	52.4	52.5	52.6	52.6	52.6	52.7	52.8	52.9	52.9	54.0	54.0	54.0	54.1
IV 16000	48.7	52.6	52.4	52.7	52.8	52.9	52.9	52.9	53.0	53.1	53.2	53.2	54.2	54.3	54.3	54.4
IV 14000	49.7	53.5	54.4	54.7	54.8	54.9	54.9	54.9	55.0	55.1	55.2	55.2	55.3	55.3	55.3	55.4
IV 12000	51.1	55.1	55.9	56.2	56.3	56.4	56.4	56.4	56.5	56.6	56.7	56.7	56.8	56.8	56.8	56.9
IV 10000	54.0	58.0	58.8	59.2	59.4	59.6	59.6	59.6	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.2
IV 9000	54.4	58.5	59.6	60.0	60.2	60.4	60.4	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.9	61.0
IV 8000	57.2	61.5	62.6	62.0	63.3	63.7	63.7	63.7	63.8	63.9	64.1	64.1	64.2	64.3	64.3	64.4
IV 7000	58.7	62.3	64.3	64.9	65.2	65.6	65.7	65.7	65.8	65.8	66.1	66.1	66.2	66.2	66.2	66.4
IV 6000	59.6	64.1	65.3	65.9	66.2	66.6	66.7	66.7	66.7	66.8	67.0	67.0	67.2	67.2	67.2	67.3
IV 5000	61.5	66.7	67.9	68.8	69.1	69.5	69.6	69.6	69.7	69.8	70.0	70.0	70.1	70.1	70.1	70.2
IV 4500	62.4	67.8	69.1	70.1	70.4	70.9	71.0	71.0	71.0	71.1	71.3	71.3	71.5	71.5	71.5	71.6
IV 4000	63.2	68.8	70.4	71.5	71.8	72.2	72.3	72.3	72.4	72.5	72.7	72.7	72.8	72.8	72.9	73.0
IV 3500	64.0	70.1	71.9	72.9	73.3	73.8	73.8	73.8	73.9	74.0	74.2	74.2	74.4	74.4	74.4	74.5
IV 3000	65.1	71.3	73.2	74.4	75.0	75.4	75.5	75.5	75.6	75.6	75.9	75.9	76.0	76.0	76.0	76.2
IV 2500	66.1	72.5	74.6	75.9	76.5	77.0	77.1	77.1	77.1	77.2	77.3	77.5	77.6	77.6	77.6	77.8
IV 2000	67.0	73.6	75.8	77.3	77.9	78.4	78.5	78.5	78.6	78.7	78.9	78.9	79.0	79.0	79.0	79.2
IV 1800	67.3	74.0	76.2	77.8	78.4	79.0	79.0	79.0	79.1	79.2	79.4	79.4	79.6	79.6	79.6	79.7
IV 1500	68.0	75.0	77.3	79.0	79.6	80.1	80.2	80.3	80.3	80.4	80.8	80.8	81.0	81.0	81.0	81.1
IV 1200	68.5	76.0	78.4	80.2	80.9	81.4	81.7	81.8	82.0	82.1	82.4	82.4	82.5	82.5	82.5	82.7
IV 1000	69.2	76.9	79.3	81.2	82.1	82.7	83.0	83.0	83.2	83.3	83.6	83.6	83.8	83.8	83.8	83.9
IV 900	69.5	77.6	80.1	82.3	83.3	83.9	84.2	84.2	84.4	84.6	84.8	84.8	85.0	85.0	85.0	85.1
IV 800	69.8	78.4	80.8	83.0	84.3	84.8	85.1	85.2	85.4	85.7	86.0	86.0	86.3	86.3	86.3	86.4
IV 700	69.9	78.8	81.6	84.1	85.7	86.3	86.7	87.0	87.1	87.6	87.9	87.9	88.2	88.2	88.2	88.3
IV 600	70.1	79.2	82.4	85.6	87.4	87.9	88.3	88.7	89.1	89.5	90.0	90.0	90.6	90.6	90.6	90.8
IV 500	70.3	79.4	82.8	86.3	88.7	89.3	90.2	90.8	91.0	91.4	91.9	91.9	92.5	92.5	92.5	92.7
IV 400	70.3	79.4	82.9	86.7	89.4	90.7	91.9	92.5	92.7	93.1	93.7	93.7	94.5	94.5	94.5	94.6
IV 300	70.3	79.4	82.9	87.1	90.3	91.7	93.1	93.9	94.2	95.2	95.9	96.0	96.8	97.0	97.0	97.2
IV 200	70.3	79.4	82.9	87.1	90.3	91.9	93.2	94.2	94.5	95.7	96.7	96.8	97.9	98.2	98.4	99.2
IV 100	70.3	79.4	82.9	87.1	90.3	91.9	93.2	94.3	94.6	95.8	96.8	96.9	98.1	98.3	99.1	99.8
IV 0	70.3	79.4	82.9	87.1	90.3	91.9	93.2	94.3	94.6	95.8	96.8	96.9	98.1	98.3	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1326



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

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 STATION PEASE AFB N H/PURTSMOUTH STATION NAME

36-70 YEARS

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.5	47.3	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000	51.1	52.3	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 18000	51.2	52.3	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 16000	51.4	52.5	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 14000	51.6	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 12000	52.2	54.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 10000	56.0	57.2	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 9000	56.7	58.2	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
IV 8000	60.0	61.7	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 7000	61.2	63.0	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 6000	62.4	64.3	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 5000	65.1	67.8	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 4500	66.7	69.6	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4000	69.4	72.5	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
IV 3500	70.4	73.5	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 3000	71.2	74.5	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500	73.2	76.8	77.6	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 2000	73.8	77.3	78.6	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 1800	74.0	77.9	79.0	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
IV 1500	74.7	78.9	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 1200	76.3	81.3	82.4	82.9	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1000	77.9	83.9	84.4	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 900	77.9	83.9	84.4	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 800	78.2	84.7	85.4	85.9	86.1	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 700	78.8	85.4	87.6	88.9	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 600	78.7	85.7	87.9	89.6	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 500	78.8	85.9	88.4	90.4	92.3	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 400	78.8	85.9	88.4	90.4	92.3	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 300	78.8	86.0	88.5	90.8	92.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 200	78.8	86.0	88.5	90.8	92.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 100	78.8	86.0	88.5	90.8	92.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 0	78.8	86.0	88.5	90.8	92.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1

TOTAL NUMBER OF OBSERVATIONS 1324

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

04763 STATION PEASE AFB N M/PORTSMOUTH

56-70 YEARS

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.7	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
N 20000	48.2	51.1	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
N 18000	49.3	51.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
N 16000	49.5	51.4	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
N 14000	50.0	51.9	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
N 12000	51.5	53.5	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
N 10000	53.8	55.9	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
N 9000	54.5	56.6	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
N 8000	57.2	59.4	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
N 7000	58.1	60.4	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
N 6000	59.8	62.1	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
N 5000	64.3	66.7	67.2	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
N 4500	67.3	69.8	70.6	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
N 4000	71.2	74.0	74.7	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
N 3500	73.2	75.9	76.7	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
N 3000	74.6	77.3	78.2	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
N 2500	75.8	79.0	79.7	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
N 2000	76.9	80.6	81.4	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
N 1800	77.1	80.8	81.6	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
N 1500	78.0	82.0	82.9	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
N 1200	79.3	84.0	84.4	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
N 1000	80.8	85.3	85.4	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
N 900	80.8	86.0	87.0	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
N 800	81.4	86.7	87.7	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
N 700	81.4	87.4	88.4	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
N 600	81.9	88.0	89.0	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
N 500	81.9	88.2	89.3	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
N 400	81.9	88.2	89.3	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
N 300	81.9	88.2	89.3	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
N 200	81.9	88.2	89.3	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
N 100	81.9	88.2	89.3	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
N 0	81.9	88.2	89.3	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4

TOTAL NUMBER OF OBSERVATIONS 1324

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 PEASE AFB N H/PORTSMOUTH

50-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	43.2	44.9	45.1	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
18000	49.0	51.8	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
16000	49.7	52.5	52.9	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
14000	50.3	53.3	53.7	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
12000	52.0	54.8	55.1	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
10000	54.9	57.8	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
9000	55.4	58.4	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
8000	58.0	61.2	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
7000	60.0	63.3	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
6000	61.3	64.8	65.4	65.5	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
5000	64.0	68.8	70.4	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
4500	68.7	72.9	73.9	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
4000	70.8	75.1	76.1	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
3500	73.2	77.5	78.5	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
3000	75.1	79.8	80.8	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2500	76.4	81.1	82.3	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2000	77.1	82.3	83.4	84.1	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
1800	77.6	83.2	84.4	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
1500	78.5	84.2	85.4	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
1200	79.3	85.8	87.3	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
1000	80.0	86.9	88.2	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
900	80.2	87.3	88.8	89.5	90.0	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
800	80.7	87.9	89.4	90.4	91.0	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
700	80.8	88.3	90.3	91.3	92.1	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
600	80.8	88.3	90.3	91.3	92.1	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
500	80.8	88.3	90.3	91.3	92.1	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
400	80.8	88.3	90.3	91.3	92.1	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
300	80.8	88.3	90.3	91.3	92.1	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
200	80.8	88.3	90.3	91.3	92.1	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
100	80.8	88.3	90.3	91.3	92.1	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0	80.8	88.3	90.3	91.3	92.1	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5

TOTAL NUMBER OF OBSERVATIONS 1224

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2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 STATION PEASE AFB N H/PORTSMOUTH

56-70 YEARS

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	47.4	49.3	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 20000	50.6	54.0	54.8	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
NW 18000	50.9	54.3	54.8	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
NW 16000	51.3	54.7	55.2	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
NW 14000	52.2	55.6	56.1	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
NW 12000	52.8	56.3	56.8	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
NW 10000	53.4	59.0	59.6	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
NW 9000	56.3	60.0	60.6	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
NW 8000	58.7	63.0	63.8	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
NW 7000	61.2	65.3	66.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
NW 6000	62.4	66.9	67.9	68.6	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
NW 5000	66.1	71.0	72.2	72.9	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
NW 4500	67.6	73.1	74.4	75.1	75.3	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
NW 4000	68.2	74.2	75.3	76.2	76.4	76.4	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
NW 3500	69.8	75.6	77.1	77.8	78.1	78.1	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
NW 3000	71.3	77.2	78.7	79.7	79.9	79.9	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
NW 2500	71.9	78.3	79.9	80.9	81.1	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
NW 2000	72.7	80.0	82.1	83.2	83.4	83.4	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
NW 1800	72.7	80.2	82.3	83.4	83.6	83.6	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
NW 1500	73.2	80.9	83.1	84.3	84.5	84.5	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
NW 1200	73.8	82.1	84.4	85.6	85.8	85.8	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
NW 1000	74.6	83.3	85.7	87.2	87.3	87.3	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
NW 900	74.6	83.7	86.1	87.8	88.1	88.1	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
NW 800	74.8	84.1	86.6	88.4	88.7	88.7	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
NW 700	74.8	84.2	87.2	89.3	89.5	89.5	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
NW 600	74.8	84.7	87.8	89.9	90.1	90.1	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
NW 500	74.9	85.1	88.2	90.1	91.0	91.0	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
NW 400	74.9	85.1	88.2	90.6	91.5	91.5	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
NW 300	74.9	85.1	88.2	90.6	91.5	91.5	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
NW 200	74.9	85.1	88.2	90.6	91.5	91.5	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
NW 100	74.9	85.1	88.2	90.6	91.5	91.5	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
NW 0	74.9	85.1	88.2	90.6	91.5	91.5	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5

TOTAL NUMBER OF OBSERVATIONS 1324

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION PEASE AFB N H/PURTSMOUTH STATION NAME

56-70 YEARS

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300 MONTH (UTC)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	48.2	51.0	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0
≥ 20000	50.8	54.4	55.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.2	56.2	56.3	56.3
IVN 18000	51.0	54.5	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.2	56.2	56.2	56.3	56.3	56.3	56.3
IVN 16000	51.3	54.8	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.5	56.5	56.5	56.6	56.6	56.6	56.6
IVN 14000	51.7	55.3	56.4	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.2	57.2
IVN 12000	52.3	55.9	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.8	57.8
IVN 10000	53.8	57.8	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9
IVN 9000	54.8	58.7	59.8	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60.9	60.9
IVN 8000	57.3	62.6	63.8	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8	64.8	64.9	64.9	64.9	64.9
IVN 7000	60.0	65.2	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.6	67.6	67.6	67.6
IVN 6000	61.8	67.3	68.7	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.8	69.8	69.8	69.9	69.9	69.9
IVN 5000	64.5	70.7	72.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.4	73.5	73.5	73.6	73.6	73.7	73.7
IVN 4500	65.4	71.9	73.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.8	75.0	75.0	75.0	75.0	75.1	75.1
IVN 4000	66.0	72.3	74.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.6	75.6	75.6	75.7	75.7	75.7
IVN 3500	67.3	74.1	75.8	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.3	77.5	77.5	77.5	77.6	77.6	77.6
IVN 3000	68.0	75.1	76.8	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.6	78.7	78.7	78.8	78.8	78.9	78.9
IVN 2500	68.3	75.6	77.3	78.6	79.0	79.0	79.2	79.2	79.3	79.3	79.4	79.5	79.5	79.6	79.6	79.9	79.9
IVN 2000	69.1	76.5	78.2	79.5	80.0	80.3	80.3	80.3	80.3	80.3	80.7	80.8	80.8	80.8	81.1	81.3	81.3
IVN 1800	69.2	76.9	78.6	80.0	80.5	80.5	80.7	80.7	80.8	80.9	81.0	81.0	81.0	81.1	81.4	81.4	81.4
IVN 1500	69.6	77.7	79.4	81.1	81.5	81.5	81.8	81.8	81.9	82.1	82.1	82.1	82.2	82.3	82.3	82.3	82.3
IVN 1200	69.8	78.4	80.1	82.4	82.8	83.0	83.2	83.3	83.4	83.6	83.6	83.6	83.6	83.8	83.8	84.0	84.0
IVN 1000	70.3	79.3	81.1	83.7	84.2	84.7	85.0	85.1	85.1	85.3	85.4	85.4	85.4	85.5	85.7	85.7	85.7
IVN 900	70.4	79.3	81.2	83.9	84.7	84.9	85.2	85.3	85.4	85.5	85.6	85.6	85.6	85.7	85.7	86.0	86.0
IVN 800	70.6	79.5	81.3	84.2	85.0	85.2	85.5	85.6	85.7	85.8	85.9	85.9	85.9	86.0	86.0	86.3	86.3
IVN 700	70.8	80.1	81.9	84.8	85.4	85.7	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.7	86.7
IVN 600	70.8	80.3	82.1	85.1	85.8	86.0	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	87.0	87.0
IVN 500	70.8	80.6	82.4	85.4	86.1	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	87.1	87.1
IVN 400	70.8	80.8	82.6	85.7	86.4	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.3	87.3
IVN 300	70.8	80.9	82.8	86.0	86.7	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.8	87.8
IVN 200	70.8	80.9	82.8	86.0	86.7	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.8	87.8
IVN 100	70.8	80.9	82.8	86.0	86.7	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.8	87.8
IVN 0	70.8	80.9	82.8	86.0	86.7	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.8	87.8

TOTAL NUMBER OF OBSERVATIONS 1224

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION 04763 PHASE ARE N H/PURTSMOUTH STATION NAME

YEARS 56-70

MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

FORM (E.T.S.) 0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.3	54.7	55.7	56.2	56.5	56.6	56.7	56.9	56.9	57.1	57.1	57.1	57.2	57.3	57.6	57.6
≥ 20000	52.3	57.8	58.9	58.5	58.8	60.0	60.2	60.4	60.4	60.4	60.6	60.6	60.7	60.9	61.1	61.1
18000	52.5	58.1	59.1	59.7	60.1	60.2	60.4	60.6	60.6	60.9	60.9	60.9	60.9	61.1	61.4	61.4
16000	52.6	58.1	59.2	59.8	60.1	60.3	60.5	60.7	60.7	60.9	60.9	60.9	61.0	61.1	61.4	61.4
14000	52.9	58.7	59.8	60.4	60.7	60.9	61.1	61.3	61.3	61.5	61.5	61.5	61.6	61.7	62.0	62.0
12000	53.5	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
10000	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
9000	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
8000	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
7000	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
6000	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
5000	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
4500	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
4000	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
3500	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
3000	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
2500	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
2000	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
1800	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
1500	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
1200	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
1000	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
900	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
800	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
700	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
600	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
500	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
400	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
300	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
200	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
100	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0
0	53.8	59.4	60.8	61.4	61.7	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.6	62.7	63.0	63.0

TOTAL NUMBER OF OBSERVATIONS 1355

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C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

04763 BASE AFB N H/PORTSMOUTH 58-70 YEARS MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0-100-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.7	49.4	51.2	52.3	53.0	53.0	53.4	53.5	53.8	54.2	54.2	54.3	54.3	54.3	54.6	55.1
≥ 20000	47.8	53.1	55.3	56.4	57.3	57.3	57.7	57.8	58.1	58.4	58.6	58.7	58.7	58.8	59.1	59.4
NW 18000	48.1	53.5	55.6	56.8	57.7	57.7	58.1	58.2	58.4	58.9	58.9	59.1	59.1	59.1	59.4	59.9
NW 16000	48.2	53.6	55.8	56.9	57.8	57.8	58.2	58.4	58.6	59.1	59.1	59.2	59.2	59.3	59.6	60.1
NW 14000	48.8	54.2	56.3	57.5	58.4	58.4	58.8	58.9	59.1	59.6	59.6	59.8	59.8	59.9	60.1	60.6
NW 12000	49.6	55.0	57.1	58.4	59.3	59.3	59.6	59.8	60.0	60.3	60.3	60.4	60.6	60.7	61.0	61.5
NW 10000	51.3	56.8	59.2	60.4	61.4	61.4	61.7	61.9	62.1	62.6	62.7	62.8	62.8	62.9	63.2	63.7
NW 9000	51.8	57.4	60.4	61.6	62.6	62.6	62.9	63.1	63.3	63.8	63.9	64.0	64.0	64.1	64.4	64.9
NW 8000	54.9	61.3	64.1	65.4	66.5	66.5	66.8	67.0	67.2	67.7	67.7	67.9	67.9	68.0	68.2	68.7
NW 7000	57.4	64.2	67.0	68.3	69.3	69.3	69.5	70.0	70.3	70.8	70.8	71.0	71.0	71.0	71.3	71.8
NW 6000	59.1	66.2	69.2	70.6	71.8	71.8	72.1	72.3	72.3	73.0	73.0	73.2	73.2	73.3	73.5	74.1
NW 5000	60.8	68.3	71.4	73.1	74.4	74.4	74.8	74.8	75.1	75.7	75.8	75.9	75.9	76.0	76.3	76.8
NW 4500	61.6	69.2	72.3	74.1	75.4	75.4	75.8	75.9	76.1	76.7	76.8	76.9	76.9	77.0	77.3	77.8
NW 4000	62.2	70.0	73.1	75.1	76.4	76.4	76.8	76.9	77.1	77.7	77.8	77.9	77.9	78.0	78.3	78.8
NW 3500	62.8	70.9	74.0	76.0	77.3	77.3	77.7	77.8	78.1	78.7	78.8	78.9	78.9	79.1	79.4	80.0
NW 3000	63.0	71.5	74.6	76.6	77.9	77.9	78.3	78.4	78.7	79.3	79.4	79.5	79.5	79.7	80.1	80.7
NW 2500	63.6	72.2	75.3	77.3	78.6	78.6	79.0	79.1	79.4	80.0	80.1	80.2	80.2	80.4	80.8	81.4
NW 2000	64.1	73.0	76.1	78.1	79.4	79.4	79.8	79.9	80.2	80.8	80.9	81.0	81.0	81.2	81.6	82.2
NW 1800	64.3	73.4	76.5	78.5	79.8	79.8	80.2	80.3	80.6	81.2	81.3	81.4	81.4	81.6	82.0	82.6
NW 1500	64.6	73.8	76.9	78.9	80.2	80.2	80.6	80.7	81.0	81.6	81.7	81.8	81.8	82.0	82.4	83.0
NW 1200	64.7	74.0	77.1	79.1	80.4	80.4	80.8	80.9	81.2	81.8	81.9	82.0	82.0	82.2	82.6	83.2
NW 1000	64.9	74.9	78.0	80.0	81.3	81.3	81.7	81.8	82.1	82.7	82.8	82.9	82.9	83.1	83.5	84.1
NW 900	64.9	75.3	78.4	80.4	81.7	81.7	82.1	82.2	82.5	83.1	83.2	83.3	83.3	83.5	83.9	84.5
NW 800	64.9	75.3	78.4	80.4	81.7	81.7	82.1	82.2	82.5	83.1	83.2	83.3	83.3	83.5	83.9	84.5
NW 700	64.9	75.7	78.8	80.8	82.1	82.1	82.5	82.6	82.9	83.5	83.6	83.7	83.7	83.9	84.3	84.9
NW 600	64.9	75.7	78.8	80.8	82.1	82.1	82.5	82.6	82.9	83.5	83.6	83.7	83.7	83.9	84.3	84.9
NW 500	64.9	75.7	78.8	80.8	82.1	82.1	82.5	82.6	82.9	83.5	83.6	83.7	83.7	83.9	84.3	84.9
NW 400	64.9	75.7	78.8	80.8	82.1	82.1	82.5	82.6	82.9	83.5	83.6	83.7	83.7	83.9	84.3	84.9
NW 300	64.9	75.7	78.8	80.8	82.1	82.1	82.5	82.6	82.9	83.5	83.6	83.7	83.7	83.9	84.3	84.9
NW 200	64.9	75.7	78.8	80.8	82.1	82.1	82.5	82.6	82.9	83.5	83.6	83.7	83.7	83.9	84.3	84.9
NW 100	64.9	75.7	78.8	80.8	82.1	82.1	82.5	82.6	82.9	83.5	83.6	83.7	83.7	83.9	84.3	84.9
NW 0	64.9	75.7	78.8	80.8	82.1	82.1	82.5	82.6	82.9	83.5	83.6	83.7	83.7	83.9	84.3	84.9

TOTAL NUMBER OF OBSERVATIONS 1322

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04742 STATION PEASE AFB N H/PORSMOUTH

56-70 YEARS

MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0400-0800 HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.4	49.2	49.8	50.5	50.8	50.9	51.0	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.5	51.6
≥ 20000	50.5	54.5	55.3	56.1	56.3	56.5	56.6	56.7	56.8	56.8	57.0	57.0	57.1	57.1	57.1	57.3
18000	51.0	55.0	55.8	56.6	56.8	57.0	57.1	57.2	57.3	57.4	57.5	57.5	57.6	57.6	57.6	57.8
16000	51.4	55.3	56.1	56.9	57.3	57.4	57.6	57.6	57.8	57.8	57.9	57.9	58.0	58.0	58.1	58.2
14000	52.0	56.1	56.8	57.7	58.1	58.2	58.4	58.4	58.6	58.6	58.7	58.7	58.8	58.8	58.9	59.0
12000	52.4	57.6	58.4	59.2	59.6	59.8	59.9	60.0	60.1	60.2	60.3	60.3	60.4	60.4	60.4	60.6
10000	56.3	60.6	61.7	62.7	63.1	63.2	63.4	63.4	63.6	63.7	63.7	63.7	63.8	63.8	63.9	64.0
9000	57.2	61.7	62.9	63.8	64.2	64.4	64.5	64.6	64.7	64.8	64.9	64.9	64.9	64.9	65.0	65.2
8000	60.1	64.8	66.1	67.2	67.7	68.0	68.2	68.2	68.4	68.5	68.5	68.5	68.5	68.6	68.7	68.8
7000	62.9	68.7	70.0	71.3	71.7	72.0	72.2	72.3	72.5	72.5	72.6	72.6	72.7	72.7	72.8	72.9
6000	64.7	70.0	71.3	72.6	73.1	73.4	73.7	73.8	73.9	74.0	74.1	74.1	74.1	74.1	74.2	74.3
5000	66.1	71.3	73.0	74.5	75.2	75.5	75.8	75.8	76.0	76.1	76.1	76.1	76.2	76.2	76.3	76.4
4500	66.8	72.3	73.7	75.2	75.9	76.2	76.5	76.6	76.7	76.8	76.8	76.8	76.9	76.9	77.0	77.1
4000	67.9	73.3	75.1	76.6	77.3	77.6	77.9	78.0	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.4
3500	68.6	74.3	75.9	77.6	78.3	78.6	78.9	78.9	79.1	79.1	79.2	79.2	79.3	79.3	79.4	79.5
3000	69.3	75.3	76.8	78.6	79.4	79.6	80.0	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.5	80.6
2500	70.3	76.4	78.0	79.9	80.6	80.9	81.3	81.4	81.5	81.6	81.6	81.6	81.7	81.7	81.8	81.9
2000	71.0	77.3	79.1	81.1	81.9	82.2	82.6	82.8	82.9	83.0	83.1	83.1	83.2	83.2	83.3	83.4
1800	71.0	77.4	79.2	81.2	82.1	82.4	82.8	83.0	83.2	83.2	83.3	83.3	83.4	83.4	83.5	83.6
1500	71.8	78.2	80.0	82.1	83.1	83.4	83.8	84.1	84.3	84.4	84.4	84.4	84.5	84.5	84.6	84.7
1200	71.7	78.8	80.6	82.9	83.9	84.3	84.7	85.0	85.2	85.3	85.4	85.4	85.4	85.4	85.5	85.7
1000	71.8	79.0	80.9	83.2	84.2	84.6	85.0	85.3	85.5	85.6	85.7	85.7	85.8	85.8	85.9	86.0
900	72.0	79.2	81.1	83.6	84.6	85.0	85.4	85.7	86.0	86.2	86.3	86.3	86.4	86.4	86.5	86.6
800	72.1	79.4	81.3	83.9	84.9	85.3	85.7	86.0	86.3	86.5	86.6	86.6	86.7	86.7	86.8	86.9
700	72.4	79.9	82.0	84.7	85.7	86.1	86.5	86.8	87.1	87.4	87.5	87.5	87.6	87.6	87.7	87.8
600	72.5	80.0	82.1	84.8	85.8	86.2	86.6	86.9	87.2	87.5	87.6	87.6	87.7	87.7	87.8	87.9
500	72.8	80.4	82.7	85.0	86.0	86.4	86.8	87.1	87.4	87.7	87.8	87.8	87.9	87.9	88.0	88.1
400	72.8	80.5	82.9	85.1	86.1	86.5	86.9	87.2	87.5	87.8	87.9	87.9	88.0	88.0	88.1	88.2
300	72.9	80.6	83.0	85.2	86.2	86.6	87.0	87.3	87.6	87.9	88.0	88.0	88.1	88.1	88.2	88.3
200	72.9	80.6	83.0	85.2	86.2	86.6	87.0	87.3	87.6	87.9	88.0	88.0	88.1	88.1	88.2	88.3
100	72.9	80.6	83.0	85.2	86.2	86.6	87.0	87.3	87.6	87.9	88.0	88.0	88.1	88.1	88.2	88.3
0	72.9	80.6	83.0	85.2	86.2	86.6	87.0	87.3	87.6	87.9	88.0	88.0	88.1	88.1	88.2	88.3

TOTAL NUMBER OF OBSERVATIONS 1392

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C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION PEASE AFB NH/PURTSMOUTH

56-70 YEARS

MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.0	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 20000	56.0	58.8	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
M 18000	56.8	59.1	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
M 16000	57.0	59.3	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
M 14000	58.1	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
M 12000	60.1	62.4	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
M 10000	63.0	65.8	66.0	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
M 9000	64.0	66.8	67.0	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
M 8000	66.0	69.7	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
M 7000	68.8	71.8	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
M 6000	69.0	73.0	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
M 5000	71.8	75.1	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
M 4500	72.8	76.2	76.4	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
M 4000	74.1	77.8	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
M 3500	75.3	79.4	79.6	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
M 3000	76.8	80.8	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
M 2500	77.2	81.9	82.1	82.6	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
M 2000	78.0	82.9	83.2	83.8	83.9	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
M 1800	78.0	83.0	83.4	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
M 1500	78.4	83.9	84.3	85.2	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
M 1200	79.2	84.9	85.3	86.4	86.9	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
M 1000	79.7	85.4	85.7	87.3	87.9	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
M 900	80.1	86.0	86.7	88.0	88.7	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
M 800	80.4	86.4	87.0	88.7	89.7	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
M 700	80.4	86.7	87.3	89.1	90.3	90.3	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
M 600	80.4	87.2	87.8	89.8	91.7	91.7	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
M 500	80.7	87.6	88.7	91.2	93.0	93.0	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
M 400	80.8	87.9	89.1	91.7	94.3	94.3	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
M 300	80.8	87.9	89.1	91.7	94.3	94.3	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
M 200	80.8	87.9	89.1	91.7	94.3	94.3	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
M 100	80.8	87.9	89.1	91.7	94.3	94.3	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
0	80.8	87.9	89.1	91.7	94.3	94.3	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS 1299

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 PEASE AFB N H/PURTSMOUTH YEARS 56-70 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.7	48.5	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
W 20000	53.8	54.1	56.7	56.7	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
W 18000	54.1	56.4	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
W 16000	54.4	56.7	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
W 14000	59.2	57.0	58.2	58.2	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
W 12000	57.5	58.9	60.6	60.6	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
W 10000	60.2	62.9	63.6	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
W 9000	61.0	63.7	64.4	64.5	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
W 8000	63.2	66.1	66.8	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
W 7000	64.2	67.5	68.2	68.3	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
W 6000	65.9	69.2	69.9	70.0	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
W 5000	69.8	73.0	73.7	73.9	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
W 4500	71.4	75.0	75.7	75.9	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
W 4000	74.3	78.1	78.9	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
W 3500	76.1	80.0	80.7	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
W 3000	77.8	81.8	82.7	83.2	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
W 2500	78.5	82.7	83.7	84.6	84.9	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
W 2000	79.4	83.9	84.8	85.6	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
W 1800	79.4	83.9	84.9	85.7	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
W 1500	80.3	85.4	86.4	87.3	88.0	88.1	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
W 1200	80.6	86.1	87.2	88.3	89.3	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
W 1000	81.6	87.2	88.3	89.3	91.3	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
W 900	81.7	87.6	88.7	89.7	91.8	92.0	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
W 800	81.9	88.0	89.1	90.1	92.3	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
W 700	82.1	88.3	89.4	91.2	93.0	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
W 600	82.1	88.3	89.4	91.7	93.8	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
W 500	82.2	88.7	89.8	92.2	94.4	95.0	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
W 400	82.2	89.1	90.2	92.8	95.0	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
W 300	82.2	89.1	90.2	92.9	95.6	96.1	96.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
W 200	82.2	89.1	90.2	92.9	95.6	96.1	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
W 100	82.2	89.1	90.2	92.9	95.6	96.1	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
W 0	82.2	89.1	90.2	92.9	95.6	96.1	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1292

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION PEASE AFB NH/PORTRSMOUTH

56-70 YEARS

MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	46.4	47.9	48.0	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	53.3	55.3	55.6	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IVM 18000	53.8	55.9	56.2	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IVM 16000	54.0	56.1	56.3	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IVM 14000	54.7	56.8	57.1	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IVM 12000	56.3	58.4	58.7	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IVM 10000	59.9	62.4	62.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IVM 9000	60.8	63.4	63.9	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IVM 8000	64.1	67.0	67.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IVM 7000	65.6	68.8	69.1	70.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IVM 6000	67.3	70.4	71.0	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IVM 5000	71.3	74.7	75.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IVM 4500	73.0	76.6	77.5	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
IVM 4000	75.0	79.2	80.1	81.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IVM 3500	76.6	80.4	81.3	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IVM 3000	78.0	82.2	83.1	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IVM 2500	78.1	82.4	83.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVM 2000	78.6	83.1	84.4	86.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IVM 1800	78.6	83.2	84.5	86.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVM 1500	78.3	83.2	84.4	87.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IVM 1200	80.2	85.2	86.7	89.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IVM 1000	80.9	86.1	87.8	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IVM 900	81.3	86.6	88.4	90.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IVM 800	81.6	86.7	88.5	91.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IVM 700	81.6	86.9	88.7	91.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IVM 600	81.6	87.3	89.0	91.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IVM 500	81.6	87.6	89.3	92.3	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IVM 400	81.6	87.8	89.7	92.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVM 300	81.6	87.8	89.7	92.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVM 200	81.6	87.8	89.7	92.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVM 100	81.6	87.8	89.7	92.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVM 0	81.6	87.8	89.7	92.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04743 PEASE AFB N H/PORTSMOUTH YEARS 56-70 MONTH MAY
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 1400-2000
(LOCAL TIME)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.0	49.9	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	54.9	57.1	57.4	58.3	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 18000	55.2	57.4	57.9	58.6	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 16000	55.6	57.8	58.3	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 14000	57.0	59.2	59.7	60.4	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	58.6	60.9	61.4	62.1	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 10000	61.1	63.7	64.4	65.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 9000	62.7	65.4	66.2	67.0	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 8000	65.4	68.5	69.5	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	66.9	70.2	71.3	72.5	73.1	73.1	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	68.3	71.6	72.8	73.9	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 5000	70.8	74.6	75.8	77.1	78.0	78.1	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	71.8	75.6	76.8	78.4	79.3	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 4000	73.3	77.4	78.9	80.4	81.4	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3500	73.3	77.8	79.3	80.9	81.9	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3000	74.1	78.8	80.3	81.9	83.2	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 2500	75.0	79.8	81.5	83.1	84.4	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2000	75.2	80.0	81.8	83.4	84.7	84.9	85.0	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1800	75.3	80.1	81.9	83.5	85.0	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1500	75.6	80.8	82.7	84.4	85.9	86.2	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1200	76.2	81.5	83.4	85.4	87.3	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1000	76.6	82.3	84.3	86.5	88.3	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 900	76.8	82.7	84.7	87.0	89.0	89.4	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	77.2	83.2	85.2	87.5	89.5	90.0	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 700	77.6	83.6	85.6	87.9	90.0	90.5	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9	91.0	91.0
IV 600	77.6	83.7	85.8	88.2	90.6	91.0	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 500	77.7	84.0	86.4	89.2	91.9	92.8	93.4	93.4	93.4	93.7	93.7	93.9	93.9	93.9	94.0	94.0
IV 400	77.7	84.1	86.5	89.2	92.3	93.3	93.4	93.4	93.4	93.8	93.8	94.0	94.0	94.0	94.1	94.1
IV 300	77.7	84.2	86.9	89.3	92.6	93.8	94.1	94.1	94.1	94.3	94.3	94.6	94.6	94.6	94.6	94.6
IV 200	77.7	84.2	86.9	89.3	92.7	93.9	94.0	94.0	94.0	94.4	94.4	94.7	94.7	94.7	94.7	94.7
IV 100	77.7	84.2	86.9	89.3	92.7	93.9	94.0	94.0	94.0	94.5	94.5	94.8	94.8	94.8	94.8	94.8
IV 0	77.7	84.2	86.9	89.3	92.7	93.9	94.0	94.0	94.0	94.5	94.5	94.8	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 1393

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04743 PLASE AFB STATION NAME W/PURTSMOUTH YEAR 56-70 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.1	55.6	55.9	56.3	56.7	56.8	56.9	56.9	56.9	57.2	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	58.7	59.6	60.1	60.9	61.2	61.4	61.4	61.4	61.4	61.7	61.8	61.8	61.8	61.8	61.8	61.9
IVM 18000	55.7	59.6	60.1	60.9	61.2	61.4	61.4	61.4	61.4	61.7	61.8	61.8	61.8	61.8	61.8	61.9
IVM 16000	55.8	59.9	60.4	61.1	61.4	61.6	61.6	61.6	61.6	61.9	62.0	62.0	62.0	62.0	62.0	62.1
IVM 14000	56.4	60.9	61.4	62.1	62.4	62.6	62.7	62.7	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.1
IVM 12000	57.1	61.6	62.1	62.8	63.2	63.3	63.3	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.8
IVM 10000	58.6	63.2	63.7	64.5	64.9	65.0	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5
IVM 9000	59.9	64.8	65.4	66.2	66.6	66.7	66.8	66.8	66.8	67.1	67.2	67.2	67.2	67.2	67.2	67.2
IVM 8000	62.8	68.2	68.8	69.7	70.1	70.3	70.3	70.3	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.8
IVM 7000	64.7	70.3	71.0	71.8	72.3	72.4	72.5	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.9
IVM 6000	65.2	71.0	71.6	72.6	73.0	73.2	73.2	73.3	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.7
IVM 5000	67.0	73.8	74.3	75.6	76.1	76.3	76.3	76.3	76.3	76.4	76.7	76.7	76.7	76.7	76.7	76.8
IVM 4500	68.1	75.1	75.8	77.4	78.1	78.2	78.3	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.7
IVM 4000	68.6	76.1	77.0	78.8	79.3	79.4	79.7	79.7	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1
IVM 3500	69.1	76.9	77.8	79.9	80.8	80.9	81.0	81.0	81.0	81.3	81.4	81.4	81.4	81.4	81.4	81.4
IVM 3000	69.9	77.8	78.7	80.9	81.9	82.0	82.1	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.5
IVM 2500	70.3	78.5	79.5	81.8	82.7	82.9	82.9	82.9	82.9	83.2	83.3	83.3	83.3	83.3	83.3	83.4
IVM 2000	70.8	79.1	80.4	82.7	83.7	83.8	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.3
IVM 1800	70.8	79.3	80.6	82.9	83.9	84.1	84.2	84.2	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.6
IVM 1500	71.0	79.3	80.8	83.4	84.4	84.8	84.9	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.3
IVM 1200	71.2	80.1	81.6	84.3	85.7	85.9	85.9	85.9	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.4
IVM 1000	71.3	81.0	82.5	85.4	86.7	86.9	87.0	87.0	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.5
IVM 900	71.8	81.1	82.6	85.6	86.8	87.0	87.1	87.1	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.6
IVM 800	71.8	81.2	82.7	85.8	87.2	87.4	87.5	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	88.0
IVM 700	71.9	81.2	82.8	85.9	87.6	87.9	88.0	88.0	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.5
IVM 600	71.7	81.4	83.0	86.2	88.0	88.3	88.7	88.7	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.2
IVM 500	71.8	81.5	83.2	87.0	89.0	89.7	90.2	90.3	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.8
IVM 400	71.8	81.6	83.3	87.3	89.2	91.1	91.7	91.8	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.4
IVM 300	71.8	81.7	83.6	88.0	90.8	91.9	93.0	93.4	93.4	94.1	94.3	94.4	94.4	94.4	94.4	94.8
IVM 200	71.8	81.7	83.6	88.0	90.9	92.0	93.5	94.3	94.3	95.2	95.3	95.4	95.4	95.4	95.4	95.7
IVM 100	71.8	81.7	83.6	88.0	90.9	92.0	93.5	94.7	94.8	96.2	96.6	96.8	97.9	98.0	98.7	99.6
IVM 0	71.8	81.7	83.6	88.0	90.9	92.0	93.5	94.7	94.8	96.2	96.6	96.8	98.0	98.1	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1393

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 PEASE AFB N H/PURISMOUTH YEARS 56-70 MONTH JUN
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) FORM T.O. 13-10

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.0	30.7	33.8	36.4	38.0	38.3	38.4	38.7	38.7	38.8	38.8	38.8	38.9	38.9	39.0	39.1
≥ 20000	48.9	33.4	36.9	39.6	41.6	41.9	42.1	42.4	42.4	42.5	42.5	42.5	42.6	42.6	42.7	42.8
18000	46.0	33.6	37.0	39.9	41.9	42.2	42.4	42.7	42.7	42.8	42.8	42.8	42.9	42.9	43.0	43.1
16000	46.0	33.6	37.1	40.0	42.0	42.3	42.5	42.8	42.8	42.9	42.9	42.9	43.0	43.0	43.0	43.2
14000	46.7	34.4	38.1	41.0	43.0	43.3	43.5	43.8	43.8	43.9	43.9	43.9	43.9	43.9	44.0	44.1
12000	47.5	35.4	39.3	42.1	44.2	44.5	44.7	45.0	45.0	45.1	45.1	45.1	45.2	45.2	45.3	45.4
10000	48.6	37.0	41.2	44.1	46.3	46.6	46.8	47.1	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.5
9000	49.1	37.5	41.8	44.7	47.0	47.3	47.5	47.8	47.8	47.9	47.9	47.9	47.9	47.9	48.0	48.1
8000	50.9	39.6	44.0	47.0	49.3	49.6	50.0	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.5	50.7
7000	52.4	41.6	46.1	49.8	52.2	52.4	52.8	53.1	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.5
6000	53.6	43.2	47.8	51.6	54.2	54.5	54.8	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.5
5000	55.0	45.0	49.7	53.4	56.2	56.4	56.8	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4	57.6
4500	55.7	45.8	50.6	54.3	57.3	57.4	57.9	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.5
4000	56.1	46.4	51.3	55.0	58.2	58.3	58.8	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.4	59.6
3500	56.8	47.3	52.0	55.7	58.9	59.0	59.5	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.2
3000	56.7	47.9	52.6	56.3	59.7	59.8	60.2	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.9
2500	56.9	48.1	52.8	56.5	59.9	60.0	60.4	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	61.1
2000	57.3	48.6	53.2	56.9	60.3	60.4	60.8	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.5
1800	57.3	48.7	53.2	57.0	60.4	60.5	60.9	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.6
1500	57.4	48.8	53.3	57.1	60.5	60.6	61.0	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.7
1200	57.9	49.0	53.8	57.6	60.8	60.9	61.3	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	62.0
1000	58.3	49.3	54.2	58.0	61.2	61.3	61.7	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.4
900	58.3	49.3	54.2	58.0	61.2	61.3	61.7	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.4
800	58.3	49.3	54.2	58.0	61.2	61.3	61.7	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.4
700	58.8	49.7	54.6	58.4	61.6	61.7	62.1	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8
600	58.8	49.7	54.6	58.4	61.6	61.7	62.1	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8
500	58.8	49.7	54.6	58.4	61.6	61.7	62.1	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8
400	58.8	49.7	54.6	58.4	61.6	61.7	62.1	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8
300	58.8	49.7	54.6	58.4	61.6	61.7	62.1	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8
200	58.8	49.7	54.6	58.4	61.6	61.7	62.1	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8
100	58.8	49.7	54.6	58.4	61.6	61.7	62.1	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8
0	58.8	49.7	54.6	58.4	61.6	61.7	62.1	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8

TOTAL NUMBER OF OBSERVATIONS 1350

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 STATION PEASE AFB N H/PURTSMOUTH

56-70 YEARS

JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0400-0500
 HOUR (GMT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.0	46.4	49.0	51.6	53.4	53.7	54.3	54.5	54.6	55.1	55.3	55.3	55.4	55.4	55.6	56.0
IV 20000	42.8	48.8	53.0	55.9	58.2	58.7	59.3	59.8	59.9	60.4	60.5	60.6	60.7	60.7	60.8	61.3
IV 18000	42.9	50.1	53.3	56.1	58.5	59.0	59.8	60.1	60.1	60.7	60.8	60.9	61.0	61.0	61.1	61.6
IV 16000	43.0	50.4	53.6	56.4	58.8	59.3	60.1	60.4	60.4	61.0	61.1	61.2	61.3	61.3	61.4	61.9
IV 14000	43.5	51.1	54.4	57.2	59.7	60.2	61.0	61.3	61.4	62.0	62.1	62.2	62.4	62.4	62.5	63.0
IV 12000	44.4	52.3	55.6	58.5	61.1	61.6	62.4	62.7	62.8	63.4	63.6	63.6	63.8	63.8	63.9	64.4
IV 10000	45.9	53.9	57.9	60.8	63.6	64.2	65.1	65.6	65.6	66.2	66.4	66.4	66.6	66.6	66.7	67.3
IV 9000	46.3	54.7	58.7	61.7	64.5	65.2	66.1	66.5	66.6	67.2	67.3	67.4	67.6	67.6	67.7	68.2
IV 8000	47.9	56.5	60.7	63.8	66.7	67.4	68.3	68.7	68.8	69.4	69.6	69.7	69.9	69.9	70.0	70.5
IV 7000	48.8	57.8	62.2	65.5	68.4	69.1	70.0	70.5	70.6	71.2	71.4	71.5	71.6	71.6	71.8	72.3
IV 6000	49.6	58.7	63.3	66.6	69.6	70.2	71.2	71.8	71.9	72.4	72.7	72.7	72.9	72.9	73.0	73.6
IV 5000	50.5	60.1	64.8	68.2	71.2	71.8	72.8	73.4	73.5	74.1	74.3	74.4	74.5	74.5	74.7	75.2
IV 4500	51.3	60.8	65.8	69.2	72.2	72.9	73.9	74.4	74.5	75.1	75.3	75.4	75.6	75.6	75.7	76.2
IV 4000	51.6	61.6	66.8	70.3	73.3	74.0	75.0	75.4	75.6	76.2	76.4	76.4	76.5	76.7	76.9	77.5
IV 3500	51.8	62.1	67.3	71.1	74.1	74.8	75.8	76.4	76.5	77.1	77.3	77.4	77.6	77.6	77.8	78.4
IV 3000	52.4	63.0	68.4	72.1	75.1	75.9	76.9	77.6	77.7	78.3	78.5	78.6	78.8	78.8	79.0	79.6
IV 2500	52.4	63.2	68.7	72.4	75.7	76.4	77.4	78.1	78.2	78.8	79.1	79.2	79.4	79.4	79.6	80.1
IV 2000	53.0	64.2	69.9	73.3	77.1	77.8	78.8	79.4	79.6	80.2	80.5	80.7	80.8	80.8	81.0	81.6
IV 1800	53.2	64.6	70.3	74.1	77.6	78.3	79.3	80.1	80.1	80.7	81.0	81.2	81.4	81.4	81.6	82.1
IV 1500	53.4	64.9	70.9	74.8	78.4	79.1	80.1	81.0	81.1	81.7	82.0	82.1	82.4	82.4	82.5	83.1
IV 1200	53.8	65.3	71.9	76.0	80.2	81.0	82.1	82.9	83.0	83.6	84.0	84.1	84.4	84.4	84.5	85.1
IV 1000	54.8	65.9	72.6	76.9	81.2	82.0	83.0	83.9	84.0	84.7	85.0	85.2	85.4	85.4	85.6	86.1
IV 900	54.1	66.4	73.3	77.7	82.1	83.0	84.1	85.1	85.2	85.9	86.2	86.4	86.6	86.6	86.7	87.3
IV 800	54.8	67.0	73.8	78.3	82.7	83.6	84.7	85.7	85.8	86.4	87.0	87.1	87.3	87.3	87.5	88.1
IV 700	54.3	67.1	74.0	78.7	83.3	84.1	85.4	86.4	86.4	87.3	87.6	87.8	88.0	88.0	88.1	88.7
IV 600	54.6	67.3	74.1	79.0	84.0	84.8	86.1	87.2	87.3	88.1	88.3	88.7	88.9	88.9	89.0	89.6
IV 500	54.6	67.3	74.4	79.3	84.7	85.5	86.9	88.0	88.0	89.0	90.0	90.1	90.4	90.4	90.5	91.1
IV 400	54.6	67.3	74.5	79.3	84.8	85.6	87.1	88.2	88.2	89.3	91.0	91.1	91.7	91.9	92.1	92.9
IV 300	54.6	67.6	74.7	80.0	85.8	86.6	88.2	89.4	89.4	90.6	92.1	92.7	92.8	93.1	93.4	94.1
IV 200	54.6	67.4	74.7	80.1	86.1	87.3	88.7	90.0	90.0	91.4	92.4	92.4	92.8	93.1	93.3	94.1
IV 100	54.6	67.4	74.7	80.1	86.1	87.3	88.7	90.0	90.0	91.4	92.4	92.4	92.8	93.1	93.3	94.1
IV 0	54.6	67.4	74.7	80.1	86.1	87.3	88.7	90.0	90.0	91.4	92.4	92.4	92.8	93.1	93.3	94.1

TOTAL NUMBER OF OBSERVATIONS 1330

C
2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04743 BASE AND N W/PORTSMOUTH STATION NAME

50-70 YEARS

JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6000-0000 TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.1	49.1	51.5	53.3	55.0	55.4	55.6	55.6	55.7	55.9	56.0	56.0	56.0	56.0	56.1	56.2
IV 20000	46.0	52.3	55.2	57.3	59.2	59.4	59.9	59.9	60.0	60.2	60.4	60.4	60.4	60.4	60.4	60.4
IV 18000	46.1	52.6	55.3	57.4	59.5	59.9	60.2	60.2	60.3	60.5	60.7	60.7	60.7	60.7	60.7	60.9
IV 16000	46.1	52.7	55.4	57.6	59.6	60.1	60.3	60.4	60.4	60.7	60.8	60.8	60.8	60.8	60.9	61.0
IV 14000	46.7	53.7	56.4	58.6	60.7	61.1	61.4	61.5	61.6	61.8	61.9	61.9	61.9	61.9	62.0	62.1
IV 12000	46.1	53.5	56.4	58.8	60.9	61.4	61.7	61.8	61.9	62.1	62.2	62.2	62.2	62.2	62.3	62.4
IV 10000	50.0	58.2	61.3	63.8	66.0	66.4	66.7	66.8	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.6
IV 9000	50.8	58.3	62.4	65.0	67.2	67.6	67.9	68.0	68.1	68.3	68.4	68.4	68.4	68.4	68.5	68.7
IV 8000	51.9	61.6	64.7	67.3	69.6	70.0	70.4	70.4	70.5	70.7	70.9	70.9	70.9	70.9	71.0	71.2
IV 7000	53.1	63.2	66.5	69.1	71.3	71.8	72.1	72.2	72.3	72.5	72.7	72.7	72.7	72.7	72.7	73.0
IV 6000	53.9	64.1	67.6	70.3	72.5	73.0	73.3	73.4	73.5	73.7	73.9	73.9	73.9	73.9	74.0	74.2
IV 5000	55.3	65.9	69.5	72.3	74.4	74.9	75.3	75.3	75.4	75.6	75.8	76.0	76.0	76.0	76.1	76.3
IV 4500	55.5	66.2	69.9	72.6	74.8	75.3	75.6	75.7	75.8	76.2	76.4	76.4	76.4	76.4	76.5	76.7
IV 4000	56.1	66.8	70.4	73.3	75.6	76.0	76.4	76.4	76.5	77.0	77.2	77.2	77.2	77.2	77.3	77.5
IV 3500	56.4	67.3	70.9	73.8	76.0	76.5	77.0	77.0	77.1	77.6	77.8	77.8	77.8	77.8	77.9	78.1
IV 3000	56.9	68.0	71.7	74.7	77.0	77.5	77.9	78.0	78.1	78.5	78.7	78.7	78.7	78.7	78.8	79.0
IV 2500	57.1	68.4	72.1	75.2	77.6	78.1	78.5	78.6	78.7	79.2	79.4	79.4	79.4	79.4	79.5	79.7
IV 2000	57.4	68.9	72.7	75.9	78.3	78.9	79.3	79.4	79.4	80.1	80.3	80.3	80.3	80.3	80.4	80.6
IV 1800	57.6	69.0	72.9	76.1	78.5	79.1	79.5	79.7	79.8	80.3	80.5	80.5	80.5	80.5	80.6	80.8
IV 1500	58.1	69.9	73.8	77.3	79.9	80.4	81.0	81.1	81.2	81.8	82.0	82.0	82.0	82.0	82.1	82.3
IV 1200	58.3	70.7	74.7	78.4	81.0	81.8	82.3	82.5	82.6	83.2	83.5	83.5	83.5	83.5	83.6	83.8
IV 1000	58.8	71.2	75.3	79.2	81.9	82.7	83.3	83.5	83.6	84.1	84.4	84.4	84.4	84.4	84.5	84.7
IV 900	59.0	71.6	75.6	79.6	82.3	83.3	83.9	84.1	84.2	84.9	85.2	85.2	85.2	85.2	85.3	85.5
IV 800	59.3	71.8	75.8	80.4	83.1	84.3	84.9	85.2	85.3	86.0	86.3	86.3	86.3	86.3	86.4	86.6
IV 700	59.6	72.3	76.1	81.1	84.7	85.6	86.1	86.7	86.8	87.6	87.9	87.9	87.9	87.9	87.9	88.1
IV 600	59.8	72.4	76.7	81.3	84.9	86.0	86.5	87.2	87.3	88.2	88.5	88.5	88.5	88.5	88.6	88.8
IV 500	59.9	72.9	77.1	82.7	87.3	88.7	89.0	90.7	91.0	92.0	92.3	92.4	92.4	92.4	92.5	92.7
IV 400	59.9	73.1	77.4	83.2	88.1	89.6	90.0	91.9	92.3	93.3	93.7	93.8	93.8	93.8	93.9	94.1
IV 300	59.9	73.1	77.4	83.4	88.3	90.1	90.5	92.6	93.1	94.1	94.5	94.5	94.5	94.5	94.6	94.8
IV 200	59.9	73.1	77.4	83.5	88.5	90.3	90.7	92.8	93.3	94.4	94.8	94.8	94.8	94.8	94.9	95.1
IV 100	59.9	73.1	77.4	83.5	88.5	90.3	90.7	92.8	93.3	94.4	94.8	94.8	94.8	94.8	94.9	95.1
IV 0	59.9	73.1	77.4	83.5	88.5	90.3	90.7	92.8	93.3	94.4	94.8	94.8	94.8	94.8	94.9	95.1

TOTAL NUMBER OF OBSERVATIONS 1380

C
2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 BASE AFB N H/PURTSMOUTH 56-70 YEARS 11 MONTH 0800-1100
STATION NAME YEARS MONTH
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.1	51.6	53.3	53.9	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	51.1	57.4	58.6	60.1	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
MV 18000	51.2	57.6	59.8	60.3	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
MV 16000	51.7	58.1	60.2	60.8	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
MV 14000	52.7	59.2	61.3	61.9	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
MV 12000	54.8	61.1	63.3	63.9	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
MV 10000	56.8	64.1	66.4	67.0	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
MV 9000	57.9	65.2	67.4	68.1	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
MV 8000	59.2	66.7	69.1	69.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
MV 7000	60.1	67.9	70.4	71.0	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
MV 6000	60.8	68.1	70.7	71.3	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
MV 5000	61.4	68.8	72.4	73.1	74.8	74.7	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
MV 4500	62.1	70.6	73.4	74.4	75.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
MV 4000	62.8	71.8	74.6	75.4	76.8	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
MV 3500	63.9	72.4	75.3	76.4	77.8	77.9	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
MV 3000	65.2	74.0	77.0	78.1	79.5	79.6	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
MV 2500	66.4	75.2	78.2	79.4	80.7	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
MV 2000	67.1	76.1	79.1	80.3	82.0	82.1	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
MV 1800	67.2	76.2	79.3	80.4	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
MV 1500	68.2	77.7	81.2	82.5	84.3	84.4	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
MV 1200	69.0	78.7	82.4	83.9	85.7	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
MV 1000	69.6	79.6	83.4	85.1	87.1	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
MV 900	70.1	80.3	84.4	86.2	88.4	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
MV 800	70.7	81.4	85.3	87.3	89.9	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
MV 700	70.9	81.7	85.6	87.7	91.0	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
MV 600	71.0	82.1	86.1	88.3	92.4	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
MV 500	71.0	82.4	86.3	88.6	93.4	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
MV 400	71.0	82.8	86.9	89.2	94.7	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
MV 300	71.0	82.8	86.9	89.2	94.7	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
MV 200	71.0	82.8	86.9	89.2	94.7	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
MV 100	71.0	82.8	86.9	89.2	94.7	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
MV 0	71.0	82.8	86.9	89.2	94.7	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS 1150

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

DATA: REASE AFB N H/PURVISMOUTH

56-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.2	48.6	49.6	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 20000	50.7	56.1	57.3	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IVM 18000	50.9	56.3	57.6	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IVM 16000	51.2	56.6	57.8	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IVM 14000	51.7	57.3	58.6	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IVM 12000	52.0	58.0	60.4	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IVM 10000	54.8	61.3	63.0	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IVM 9000	58.2	61.6	63.4	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IVM 8000	58.9	62.9	64.7	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IVM 7000	57.4	64.7	66.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IVM 6000	59.0	66.4	68.4	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IVM 5000	61.0	68.4	71.0	72.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IVM 4500	63.2	71.2	73.3	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IVM 4000	66.0	74.1	76.4	77.5	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IVM 3500	67.0	73.9	76.1	77.2	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IVM 3000	69.9	78.7	81.0	82.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IVM 2500	70.9	79.8	82.1	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVM 2000	71.2	80.8	83.1	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IVM 1800	71.0	81.2	83.5	84.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IVM 1500	72.0	82.4	84.7	85.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IVM 1200	72.0	83.3	85.6	87.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IVM 1000	72.0	83.9	86.3	88.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVM 900	73.2	84.1	86.6	89.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IVM 800	73.4	84.6	87.0	89.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IVM 700	73.6	85.1	87.9	91.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IVM 600	73.7	85.8	88.8	91.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IVM 500	73.8	85.0	88.0	92.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IVM 400	73.8	85.0	88.0	92.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IVM 300	73.8	85.0	88.0	92.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IVM 200	73.8	85.0	88.0	92.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IVM 100	73.8	85.0	88.0	92.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IVM 0	73.8	85.0	88.0	92.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS: 1200

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04743 PEASE AFB N W/PURTSMOUTH 50-70 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
MOON (L.V.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.2	50.0	50.9	51.3	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	53.4	58.2	58.7	58.8	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IVN 18000	53.9	58.3	59.4	59.9	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IVN 16000	54.0	58.4	59.4	60.0	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IVN 14000	59.0	59.4	60.5	61.0	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IVN 12000	56.6	61.1	62.2	62.7	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IVN 10000	58.9	63.8	64.9	65.4	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IVN 9000	58.3	64.2	65.3	65.8	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IVN 8000	60.7	65.8	67.0	67.7	69.0	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IVN 7000	62.3	67.6	68.9	69.9	71.1	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IVN 6000	63.9	69.3	70.7	71.7	73.0	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IVN 5000	66.0	71.9	73.2	74.4	75.8	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IVN 4500	66.8	72.7	74.1	75.3	76.7	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IVN 4000	69.5	75.8	77.4	78.7	80.3	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IVN 3500	70.4	77.0	78.7	80.0	81.6	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IVN 3000	71.4	78.5	80.3	81.7	83.4	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IVN 2500	72.2	79.9	81.8	83.3	85.1	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IVN 2000	72.8	80.4	82.4	84.0	86.1	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IVN 1800	72.9	80.4	82.4	84.0	86.1	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IVN 1500	72.7	81.1	83.1	84.8	86.9	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IVN 1200	73.0	81.6	83.7	85.4	87.8	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IVN 1000	73.5	82.0	84.2	85.9	88.4	89.2	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IVN 900	73.6	82.4	84.8	87.0	89.4	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IVN 800	74.0	83.1	85.7	88.0	90.8	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IVN 700	74.1	83.3	85.9	88.7	91.3	92.0	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IVN 600	74.2	83.7	86.3	89.5	92.4	93.2	93.7	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IVN 500	74.4	84.1	87.4	90.2	93.5	94.1	94.9	95.3	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
IVN 400	74.6	84.1	87.9	90.8	93.9	94.7	95.5	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IVN 300	74.6	84.1	87.9	90.8	93.9	94.8	95.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IVN 200	74.6	84.1	87.9	90.8	93.9	94.8	95.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IVN 100	74.6	84.1	87.9	90.8	93.9	94.8	95.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IVN 0	74.6	84.1	87.9	90.8	93.9	94.8	95.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 1330

C
2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 STATION CHASE AIR N H/PORTSMOUTH

56-70 YEARS

1111 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	44.7	48.6	49.3	50.1	50.8	50.8	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
18000 16000	50.0	53.6	56.4	57.5	58.7	58.8	59.0	59.0	59.0	59.0	59.1	59.2	59.2	59.2	59.2	59.2
14000 12000	51.3	56.9	57.9	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.8	60.9	60.9	60.9	60.9	60.9
10000 9000	57.0	63.1	64.3	65.7	67.1	67.3	67.9	67.5	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7
8000 7000	59.9	66.5	67.8	69.4	71.1	71.4	71.9	71.6	71.6	71.7	71.8	71.9	71.9	71.9	71.9	71.9
6000 5000	63.0	70.4	72.0	74.0	75.9	76.2	76.4	76.4	76.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7
4500 4000	65.6	73.5	75.0	77.3	79.2	79.5	79.7	79.7	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0
3500 3000	67.4	76.0	77.6	80.1	82.1	82.5	82.8	83.0	83.0	83.1	83.2	83.3	83.3	83.3	83.3	83.3
2500 2000	68.2	77.2	78.7	81.3	83.3	84.0	84.3	84.4	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7
1800 1500	69.7	78.9	80.6	83.6	85.8	86.3	86.5	87.0	87.0	87.1	87.2	87.3	87.3	87.3	87.3	87.3
1200 1000	70.4	79.9	81.8	85.0	87.3	87.8	88.3	88.5	88.5	88.7	88.8	88.9	88.9	88.9	88.9	88.9
900 800	70.8	80.5	82.6	85.9	88.3	88.7	89.3	89.6	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9
700 600	71.0	81.1	83.3	87.1	89.9	90.4	91.0	91.3	91.3	91.6	91.7	91.8	91.8	91.8	91.8	91.8
500 400	71.2	81.3	83.6	87.6	90.7	91.3	91.9	92.4	92.4	92.7	92.7	92.8	92.8	92.8	92.8	92.8
300 200	71.2	81.7	84.0	88.1	91.6	92.3	92.9	93.7	93.7	94.1	94.2	94.3	94.3	94.3	94.3	94.3
100 0	71.2	81.7	84.0	88.1	91.6	92.3	92.9	93.7	93.7	94.1	94.2	94.3	94.3	94.3	94.3	94.3

TOTAL NUMBER OF OBSERVATIONS 1180

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 PHASE AFB W/PURTSMOUTH

56-70

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

3100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.8	50.8	53.5	55.3	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	46.7	54.4	57.4	59.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 18000	46.8	54.7	57.7	59.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.1
IV 16000	47.1	55.0	58.0	60.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5
IV 14000	47.8	55.9	59.0	61.2	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6
IV 12000	48.8	57.3	60.5	62.7	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.2
IV 10000	50.8	59.6	63.1	65.6	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1
IV 9000	51.4	60.4	64.0	66.7	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.2
IV 8000	52.9	62.7	67.6	70.7	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.4	73.4
IV 7000	55.8	65.4	70.5	73.0	75.8	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9
IV 6000	56.7	67.2	71.1	74.7	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.8
IV 5000	58.3	69.3	73.1	76.8	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.9	79.9
IV 4500	58.7	70.0	73.9	77.8	80.3	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	81.0
IV 4000	59.6	71.5	75.4	79.3	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.7	82.7	82.8
IV 3500	60.8	72.7	76.7	80.7	83.4	83.6	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.1	84.1
IV 3000	60.7	73.2	77.3	81.3	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.7	84.7
IV 2500	61.1	73.7	77.8	82.3	85.0	85.3	85.3	85.7	85.7	85.7	85.7	85.8	85.8	85.9	85.9	85.9
IV 2000	61.3	73.9	78.2	82.8	85.7	86.0	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.6
IV 1800	61.5	74.4	78.7	83.3	86.2	86.5	86.7	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.1
IV 1500	61.6	74.7	79.1	83.8	86.7	87.0	87.2	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.6	87.6
IV 1200	62.0	75.0	79.5	84.3	87.4	87.7	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.3
IV 1000	62.1	75.3	80.0	84.8	87.9	88.2	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.9
IV 900	62.1	75.4	80.2	85.1	88.3	88.6	88.8	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.2	89.2
IV 800	62.2	75.7	80.4	85.4	88.5	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
IV 700	62.4	76.1	81.0	85.9	89.1	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9
IV 600	62.4	76.2	81.1	86.0	89.2	89.5	89.7	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0
IV 500	62.5	76.3	81.2	86.1	89.3	89.6	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1
IV 400	62.5	76.4	81.3	86.2	89.4	89.7	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2
IV 300	62.5	76.5	81.4	86.3	89.5	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
IV 200	62.5	76.5	81.4	86.3	89.5	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
IV 100	62.5	76.5	81.4	86.3	89.5	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
IV 0	62.5	76.5	81.4	86.3	89.5	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.4

TOTAL NUMBER OF OBSERVATIONS 1150

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04743 BASE AFB N W/PORSMOUTH STATION NAME

56-70 YEARS

III MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FORM NO. 0-14-5

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	42.5	50.5	54.1	56.7	59.4	60.0	60.6	61.1	61.1	61.4	61.5	61.7	61.7	61.9	61.9	61.9
IV 18000	44.9	54.2	58.1	61.3	63.2	65.9	66.7	67.3	67.3	67.6	67.7	67.7	68.0	68.1	68.2	68.2
IV 16000	44.9	54.2	58.2	61.4	63.5	66.2	67.0	67.6	67.6	67.9	68.0	68.0	68.2	68.4	68.5	68.5
IV 14000	45.3	54.9	58.9	62.3	66.5	67.2	68.0	68.6	68.6	68.9	69.0	69.0	69.2	69.4	69.5	69.5
IV 12000	46.6	56.6	60.6	64.2	68.7	69.4	70.2	70.8	70.8	71.1	71.3	71.3	71.5	71.6	71.7	71.8
IV 10000	47.6	58.6	62.7	66.5	71.3	72.1	72.9	73.5	73.5	73.8	74.0	74.0	74.2	74.3	74.4	74.5
IV 9000	48.0	59.1	63.2	67.0	71.8	72.5	73.3	73.9	73.9	74.3	74.4	74.4	74.6	74.8	74.8	74.9
IV 8000	49.5	61.7	66.2	70.1	74.9	75.8	76.6	77.2	77.2	77.6	77.7	77.7	77.9	78.1	78.1	78.2
IV 7000	50.0	62.8	67.4	71.6	76.4	77.3	78.2	78.8	78.8	79.1	79.3	79.3	79.5	79.6	79.7	79.8
IV 6000	50.5	63.3	67.9	72.5	77.3	78.2	79.1	79.8	79.8	80.1	80.3	80.3	80.5	80.6	80.7	80.8
IV 5000	51.1	64.2	68.8	73.7	78.6	79.4	80.4	81.0	81.0	81.4	81.5	81.5	81.7	81.9	81.9	82.0
IV 4500	51.5	64.8	69.3	74.1	79.0	79.9	80.9	81.5	81.5	81.9	82.0	82.0	82.2	82.4	82.4	82.5
IV 4000	51.8	65.4	70.1	75.2	80.1	80.9	82.0	82.7	82.7	83.0	83.2	83.2	83.4	83.5	83.6	83.7
IV 3500	52.1	65.9	70.8	75.7	80.6	81.5	82.7	83.3	83.3	83.7	83.8	83.8	84.0	84.2	84.2	84.3
IV 3000	52.1	66.3	71.2	76.1	81.1	82.0	83.2	83.8	83.8	84.2	84.3	84.3	84.5	84.7	84.7	84.8
IV 2500	52.4	66.8	71.7	76.6	81.6	82.5	83.7	84.3	84.3	84.7	84.9	84.9	85.1	85.2	85.3	85.4
IV 2000	52.4	67.5	72.5	77.5	82.5	83.4	84.7	85.3	85.3	85.7	85.9	85.9	86.2	86.3	86.4	86.5
IV 1800	52.6	67.7	72.8	77.8	82.9	83.8	85.0	85.7	85.7	86.1	86.2	86.2	86.5	86.7	86.7	86.8
IV 1500	52.8	67.7	73.0	78.1	83.1	84.0	85.2	85.9	85.9	86.3	86.5	86.5	86.7	86.9	87.0	87.0
IV 1200	52.8	68.0	73.5	78.6	83.6	84.5	85.8	86.5	86.5	86.9	87.0	87.0	87.3	87.3	87.3	87.6
IV 1000	53.1	68.4	74.1	79.1	84.2	85.1	86.4	87.1	87.1	87.5	87.7	87.7	88.0	88.1	88.2	88.2
IV 900	53.1	68.4	74.2	79.2	84.4	85.4	86.7	87.3	87.3	87.7	87.9	87.9	88.2	88.3	88.4	88.5
IV 800	53.1	68.4	74.3	79.4	84.5	85.5	86.8	87.5	87.5	87.9	88.0	88.0	88.3	88.5	88.5	88.6
IV 700	53.1	68.5	74.5	79.6	84.9	85.9	87.1	87.8	87.8	88.2	88.4	88.4	88.7	88.8	88.9	89.0
IV 600	53.3	68.7	74.6	80.0	85.3	86.4	87.6	88.3	88.3	88.7	88.9	88.9	89.2	89.3	89.4	89.5
IV 500	53.3	68.8	74.7	80.2	85.7	86.8	87.9	88.6	88.6	89.0	89.2	89.2	89.5	89.7	89.7	89.8
IV 400	53.3	68.8	74.7	80.2	85.7	86.8	87.9	88.6	88.6	89.0	89.2	89.2	89.5	89.7	89.7	89.8
IV 300	53.3	68.9	74.7	80.2	85.7	86.8	87.9	88.6	88.6	89.0	89.2	89.2	89.5	89.7	89.7	89.8
IV 200	53.3	68.9	74.7	80.2	85.7	86.8	87.9	88.6	88.6	89.0	89.2	89.2	89.5	89.7	89.7	89.8
IV 100	53.3	68.9	74.7	80.2	85.7	86.8	87.9	88.6	88.6	89.0	89.2	89.2	89.5	89.7	89.7	89.8
IV 0	53.3	68.9	74.7	80.2	85.7	86.8	87.9	88.6	88.6	89.0	89.2	89.2	89.5	89.7	89.7	89.8

TOTAL NUMBER OF OBSERVATIONS 1293

C
2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

04763 ~~REASE AFB N H/BURTON~~ 50-70 YEARS 111 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	38.7	46.2	48.7	51.1	54.1	54.8	55.8	56.3	56.4	56.9	57.3	57.3	57.4	57.6	57.8	58.1
N 20000	40.9	49.3	52.3	55.0	58.8	59.4	60.8	61.1	61.3	61.8	62.3	62.3	62.4	62.5	62.8	63.2
IVN 18000	41.1	49.5	52.5	55.2	59.0	59.6	60.9	61.4	61.5	62.1	62.5	62.5	62.6	62.7	63.0	63.4
IVN 16000	41.1	49.5	52.6	55.4	59.3	59.9	61.2	61.7	61.8	62.4	62.8	62.8	62.9	63.1	63.4	63.7
IVN 14000	41.3	50.1	53.2	56.1	60.1	60.8	62.1	62.6	62.7	63.3	63.7	63.7	63.8	63.9	64.2	64.6
IVN 12000	42.3	51.0	54.3	57.2	61.4	62.1	63.4	63.9	64.0	64.6	65.0	65.0	65.1	65.2	65.5	65.9
IVN 10000	43.9	53.8	57.3	60.4	64.9	65.6	66.9	67.4	67.5	68.1	68.5	68.5	68.6	68.7	69.0	69.4
IVN 9000	44.2	54.1	57.6	60.7	65.4	66.1	67.4	67.9	68.2	68.8	69.2	69.2	69.3	69.3	69.7	70.1
IVN 8000	45.4	56.3	60.2	63.7	68.7	69.4	71.0	71.5	71.7	72.3	72.8	72.8	72.8	73.0	73.3	73.7
IVN 7000	45.7	56.8	60.4	64.3	69.7	70.3	72.0	72.5	72.7	73.3	73.8	73.8	74.3	74.4	74.8	75.3
IVN 6000	46.1	57.3	61.2	65.0	70.4	71.3	73.1	73.7	73.8	74.6	75.0	75.0	75.1	75.3	75.6	76.0
IVN 5000	46.8	58.3	62.2	66.1	71.5	72.3	74.3	74.8	75.0	75.7	76.1	76.1	76.3	76.4	76.7	77.1
IVN 4500	47.1	58.6	62.6	66.7	72.0	72.9	74.9	75.4	75.6	76.3	76.7	76.7	76.8	77.0	77.3	77.7
IVN 4000	47.8	59.4	63.5	67.7	73.3	74.2	76.3	76.7	76.8	77.4	77.8	77.8	78.0	78.1	78.4	78.8
IVN 3500	47.9	59.5	63.7	68.0	73.6	74.7	76.8	77.2	77.3	78.1	78.5	78.5	78.6	78.8	79.1	79.5
IVN 3000	48.7	60.4	64.8	69.2	75.1	75.9	77.9	78.4	78.6	79.3	79.7	79.7	79.8	80.0	80.3	80.7
IVN 2500	49.1	61.2	65.4	69.9	75.8	76.7	78.7	79.2	79.4	80.1	80.6	80.6	80.7	80.9	81.1	81.4
IVN 2000	49.3	61.8	66.0	70.5	76.3	77.3	79.3	79.8	80.1	80.8	81.4	81.4	81.5	81.6	81.9	82.4
IVN 1800	49.7	61.9	66.4	70.9	76.8	77.7	79.7	80.3	80.5	81.3	81.7	81.7	81.9	82.0	82.3	82.7
IVN 1600	49.8	62.1	66.8	71.1	77.1	78.0	80.1	80.6	80.9	81.8	82.2	82.2	82.4	82.5	82.8	83.2
IVN 1400	50.0	62.8	67.2	72.0	78.2	79.1	81.2	81.8	82.1	82.9	83.3	83.3	83.7	83.8	84.1	84.5
IVN 1200	50.1	63.0	67.6	72.4	78.6	79.5	81.6	82.2	82.7	83.6	84.0	84.2	84.3	84.6	84.9	85.2
IVN 1000	50.1	63.2	67.8	72.6	79.0	79.9	82.0	82.7	82.9	83.8	84.4	84.4	84.8	84.7	84.9	85.4
IVN 900	50.1	63.4	68.0	72.8	79.3	80.4	82.5	83.2	83.3	84.4	85.0	85.0	85.2	85.3	85.6	86.0
IVN 800	50.2	63.5	68.3	73.4	80.1	81.1	83.2	84.1	84.4	85.7	86.2	86.2	86.4	86.5	86.8	87.2
IVN 700	50.2	63.8	68.7	73.7	80.5	81.7	83.8	84.8	85.4	86.7	87.2	87.2	87.4	87.5	87.8	88.3
IVN 600	50.2	63.9	68.9	74.0	81.2	82.3	84.4	85.4	86.3	87.7	88.3	88.3	88.5	88.6	88.9	89.3
IVN 500	50.2	63.7	68.7	74.3	81.0	82.3	84.5	85.5	86.4	87.8	88.4	88.4	88.6	88.7	89.0	89.5
IVN 400	50.2	63.7	68.7	74.3	81.0	82.3	84.5	85.5	86.4	87.8	88.4	88.4	88.6	88.7	89.0	89.5
IVN 300	50.2	63.7	68.7	74.3	81.0	82.3	84.5	85.5	86.4	87.8	88.4	88.4	88.6	88.7	89.0	89.5
IVN 200	50.2	63.7	68.7	74.3	81.0	82.3	84.5	85.5	86.4	87.8	88.4	88.4	88.6	88.7	89.0	89.5
IVN 100	50.2	63.7	68.7	74.3	81.0	82.3	84.5	85.5	86.4	87.8	88.4	88.4	88.6	88.7	89.0	89.5
IVN 0	50.2	63.7	68.7	74.3	81.0	82.3	84.5	85.5	86.4	87.8	88.4	88.4	88.6	88.7	89.0	89.5

TOTAL NUMBER OF OBSERVATIONS 1399

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0473 STATION PEASE AFB N W/PORTRSMOUTH STATION NAME

56-70 YEARS

JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0800
TIME PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	37.3	42.6	44.4	47.2	49.7	50.3	50.9	51.7	51.8	51.9	52.0	52.0	52.2	52.2	52.2	52.3
IV 18000 16000	40.9	47.5	49.8	52.8	55.7	56.3	57.3	58.1	58.4	58.4	58.6	58.6	58.8	58.8	58.9	59.0
IV 14000 12000	42.4	49.1	51.5	54.6	57.5	58.1	59.1	60.1	60.3	60.4	60.6	60.6	60.7	60.7	60.8	60.9
IV 10000 9000	45.9	54.3	56.9	60.5	63.7	64.4	65.6	66.6	66.8	66.9	67.1	67.1	67.2	67.2	67.3	67.5
IV 8000 7000	48.4	58.8	62.1	66.4	70.0	71.0	72.2	73.6	73.8	73.8	74.0	74.0	74.2	74.2	74.3	74.4
IV 6000 5000	49.8	59.4	62.7	67.2	70.8	71.8	73.0	74.2	74.4	74.6	74.8	74.8	75.1	75.2	75.3	75.4
IV 4500 4000	51.1	61.3	64.6	69.3	73.3	74.3	75.5	77.1	77.3	77.5	77.8	77.8	78.1	78.2	78.3	78.4
IV 3500 3000	51.3	61.4	64.7	69.5	73.5	74.5	75.7	77.3	77.5	77.7	78.0	78.0	78.3	78.4	78.5	78.6
IV 2500 2000	52.1	62.5	65.8	70.9	75.2	76.2	77.5	79.1	79.3	79.5	79.8	79.8	80.1	80.2	80.3	80.4
IV 1800 1500	52.3	62.7	66.0	71.2	75.6	76.6	77.9	79.5	79.7	79.9	80.2	80.2	80.5	80.6	80.7	80.8
IV 1200 1000	52.3	62.9	66.4	71.3	75.7	76.7	78.0	79.6	79.9	80.1	80.4	80.4	80.6	80.8	80.9	81.0
IV 900 800	52.7	63.3	67.0	72.0	76.4	77.4	78.7	80.3	80.6	80.9	81.1	81.1	81.4	81.6	81.6	81.8
IV 700 600	53.1	63.7	67.4	72.4	76.8	77.8	79.1	80.7	81.0	81.3	81.6	81.6	81.9	82.1	82.2	82.4
IV 500 400	53.5	64.1	67.8	72.8	77.2	78.2	79.5	81.1	81.4	81.7	82.0	82.0	82.3	82.5	82.6	82.8
IV 300 200	53.8	64.5	68.2	73.2	77.6	78.6	79.9	81.5	81.8	82.1	82.4	82.4	82.7	82.9	83.0	83.2
IV 100 0	53.8	64.5	68.2	73.2	77.6	78.6	79.9	81.5	81.8	82.1	82.4	82.4	82.7	82.9	83.0	83.2

TOTAL NUMBER OF OBSERVATIONS 1288

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0473 1955 APR 4 W/BRISBANE 56-70 YEARS JUL 1956

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0700-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	40.9	46.7	48.1	50.4	51.2	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
18000	46.7	54.0	56.1	58.4	59.5	59.7	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
16000	47.0	54.2	56.3	58.9	59.7	59.9	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
14000	47.2	54.6	56.4	59.2	60.1	60.3	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
12000	48.0	55.5	57.6	60.3	61.2	61.4	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
10000	49.7	58.1	60.4	63.1	64.0	64.2	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
9000	51.9	61.1	63.6	66.8	67.9	68.1	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
8000	52.5	61.3	64.4	67.4	68.7	68.8	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
7000	53.9	64.2	66.7	70.3	71.4	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
6000	55.9	65.8	68.4	71.8	73.0	73.3	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
5000	56.7	68.2	71.0	74.8	76.0	76.3	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
4500	57.3	68.7	71.5	75.3	76.6	76.8	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
4000	58.4	70.1	73.1	78.2	78.4	78.4	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
3500	58.9	70.9	73.9	78.0	79.2	79.4	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3000	60.4	72.5	75.5	79.4	80.6	81.1	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
2500	61.2	73.4	76.6	80.9	82.1	82.3	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
2000	61.6	74.1	77.3	81.4	82.6	83.1	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
1800	62.1	74.6	77.8	82.2	83.5	83.7	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
1500	62.9	75.6	79.1	83.4	84.9	85.2	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1200	64.3	77.1	80.6	85.0	86.7	87.0	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
1000	64.9	77.4	81.0	85.5	87.4	87.7	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
900	64.5	77.6	81.2	85.9	87.8	88.1	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
800	64.7	78.1	81.7	87.0	88.9	89.3	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
700	64.7	78.3	82.1	87.4	89.6	89.9	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
600	64.7	78.4	82.2	87.5	89.7	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
500	64.7	78.4	82.2	87.5	89.7	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
400	64.7	78.4	82.2	87.5	89.7	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
300	64.7	78.4	82.2	87.5	89.7	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
200	64.7	78.4	82.2	87.5	89.7	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
100	64.7	78.4	82.2	87.5	89.7	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0	64.7	78.4	82.2	87.5	89.7	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7

TOTAL NUMBER OF OBSERVATIONS 1393

C
2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION PEASE AFB N H/PURTSMOUTH STATION NAME

50-70 YEARS

JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 TIME (GMT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.0	46.6	48.2	49.6	50.3	50.5	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	50.4	56.5	58.6	60.6	61.3	61.4	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IVM 18000	50.8	57.2	59.0	60.9	61.7	61.9	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IVM 16000	51.0	57.3	59.3	61.3	62.1	62.2	62.8	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IVM 14000	51.6	58.4	60.3	62.4	63.2	63.3	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IVM 12000	52.8	60.8	63.0	65.3	65.9	66.1	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IVM 10000	56.1	63.4	65.6	67.7	68.5	68.7	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IVM 9000	56.3	63.7	65.9	68.0	68.8	69.0	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IVM 8000	57.6	65.6	67.8	70.2	71.0	71.1	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IVM 7000	58.4	66.9	69.4	71.9	72.8	72.9	73.6	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IVM 6000	58.7	67.4	70.1	72.7	73.6	73.9	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IVM 5000	60.0	68.8	71.7	74.3	75.3	75.6	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IVM 4500	61.2	70.5	73.3	76.2	77.4	77.7	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IVM 4000	63.5	72.9	76.1	78.9	80.1	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IVM 3500	64.4	74.1	77.3	80.0	81.3	81.6	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IVM 3000	68.2	78.3	81.9	84.9	86.2	86.5	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IVM 2500	69.0	79.4	82.8	85.9	87.3	87.7	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IVM 2000	68.4	78.9	83.7	87.0	88.4	88.7	89.5	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IVM 1800	69.7	80.3	84.0	87.3	88.7	89.1	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IVM 1500	70.7	81.4	85.2	88.4	90.2	90.4	91.0	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IVM 1200	71.4	82.1	85.9	89.3	91.2	91.7	92.3	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IVM 1000	71.7	82.4	86.3	90.1	91.9	92.4	93.0	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IVM 900	71.7	82.6	86.6	90.5	92.4	93.0	93.6	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IVM 800	71.8	82.9	86.9	90.9	92.8	93.4	94.0	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IVM 700	71.8	83.1	87.2	91.3	93.6	94.3	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IVM 600	71.9	83.2	87.3	91.6	94.0	94.8	95.6	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IVM 500	71.9	83.4	87.5	91.9	94.1	94.9	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IVM 400	71.9	83.6	87.7	92.3	94.2	95.1	96.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IVM 300	71.9	83.8	87.9	92.6	94.7	95.6	96.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IVM 200	71.9	83.9	88.1	92.9	94.9	95.8	96.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IVM 100	71.9	84.0	88.1	93.2	95.1	96.0	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IVM 0	71.9	84.0	88.1	93.2	95.1	96.0	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 1200

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PLA 458 H W PLYMOUTH YEARS 1967-70 MONTH ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.4	47.2	48.2	49.7	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	49.7	56.3	57.8	59.9	61.2	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVW 18000	50.0	56.5	58.1	60.1	61.5	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IVW 16000	50.3	56.8	58.4	60.3	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IVW 14000	51.2	57.8	59.6	61.8	63.2	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IVW 12000	52.3	58.9	61.1	63.3	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IVW 10000	54.8	62.8	65.1	67.7	69.4	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IVW 9000	55.2	63.3	65.9	68.6	70.3	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IVW 8000	57.3	66.0	69.1	72.0	73.8	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IVW 7000	58.6	67.4	70.5	73.4	75.3	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IVW 6000	59.3	68.5	71.9	74.8	76.8	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IVW 5000	61.0	70.5	74.1	77.2	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IVW 4500	62.3	71.9	75.6	78.7	81.3	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IVW 4000	64.2	74.1	78.1	81.4	84.3	84.9	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IVW 3500	64.7	74.7	78.6	81.9	84.9	85.4	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0
IVW 3000	66.1	76.7	81.3	84.8	87.7	88.3	88.7	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1
IVW 2500	66.5	77.8	82.7	86.5	89.5	90.0	90.5	90.8	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0
IVW 2000	66.9	78.2	83.3	87.1	90.3	91.0	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IVW 1800	67.0	78.4	83.4	87.2	90.5	91.2	91.6	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1
IVW 1500	67.5	78.9	84.0	88.0	91.2	91.9	92.3	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8
IVW 1200	67.9	79.6	84.7	88.7	91.9	92.6	93.1	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6
IVW 1000	68.2	80.3	85.4	89.4	92.4	93.1	93.5	93.9	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4
IVW 900	68.3	80.4	85.7	89.6	92.8	93.6	94.1	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IVW 800	68.3	80.8	86.0	90.0	93.4	94.2	94.7	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2
IVW 700	68.7	81.0	86.2	90.3	93.7	94.5	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IVW 600	69.0	81.4	86.7	90.9	94.4	95.2	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IVW 500	69.0	81.5	86.9	91.3	94.8	95.6	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVW 400	69.0	81.6	87.0	91.5	95.0	95.8	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IVW 300	69.0	81.6	87.1	91.6	95.1	95.9	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IVW 200	69.0	81.6	87.1	91.6	95.1	95.9	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IVW 100	69.0	81.6	87.1	91.6	95.1	95.9	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IVW 0	69.0	81.6	87.1	91.6	95.1	95.9	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9

TOTAL NUMBER OF OBSERVATIONS 1399

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04743 PEASE AFB N H/PURTSMOUTH STATION NAME

50-70 YEARS

111 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-2000 HOUR (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.0	48.8	50.4	52.8	54.1	54.6	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 20000	48.8	53.6	58.3	61.5	63.2	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	48.7	53.9	58.6	61.9	63.6	64.4	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 16000	49.0	54.3	59.1	62.4	64.1	64.9	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000	49.5	56.8	59.6	62.9	64.8	65.6	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 12000	51.4	59.2	62.2	65.8	67.9	68.7	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 10000	52.9	61.4	64.7	68.4	70.9	71.8	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 9000	53.3	61.9	65.4	69.4	71.9	72.8	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 8000	53.3	64.2	68.5	72.8	75.6	76.6	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	57.3	64.3	70.6	74.8	77.7	78.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 6000	58.3	68.1	72.4	76.9	79.9	81.0	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 5000	59.1	68.4	73.8	78.6	81.6	82.9	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4500	59.6	69.9	74.4	79.2	82.3	83.5	84.7	84.9	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2
IV 4000	60.2	70.3	75.2	80.2	83.3	84.7	86.1	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3500	60.4	70.7	75.5	80.5	83.9	85.2	86.5	86.7	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1
IV 3000	60.6	71.3	76.6	81.7	85.2	86.5	87.8	88.0	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4
IV 2500	61.1	72.0	77.1	82.3	86.2	87.5	88.8	89.0	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000	61.3	72.3	77.3	82.9	86.3	87.8	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800	61.3	72.3	77.3	82.9	86.3	87.8	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	61.8	72.7	77.8	83.2	87.0	88.2	89.7	89.9	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3
IV 1200	61.9	73.2	78.3	84.1	87.8	89.1	90.5	90.8	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2
IV 1000	62.2	73.7	79.0	84.7	88.3	89.8	91.3	91.5	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0
IV 900	62.3	73.9	79.3	85.0	88.8	90.1	91.5	91.8	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3
IV 800	62.4	74.2	79.8	85.5	89.3	90.8	92.1	92.8	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2
IV 700	62.5	74.3	79.9	85.7	89.8	91.2	92.7	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 600	62.5	74.3	79.9	85.9	90.2	91.8	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 500	62.5	74.4	80.2	86.4	90.7	92.0	93.5	94.3	94.3	95.0	95.1	95.1	95.2	95.2	95.2	95.2
IV 400	62.5	74.8	80.6	87.0	91.3	92.8	94.3	95.1	95.4	96.3	96.3	96.3	96.4	96.4	96.4	96.4
IV 300	62.5	74.8	80.6	87.0	91.3	92.8	94.3	95.1	95.4	96.3	96.3	96.3	96.4	96.4	96.4	96.4
IV 200	62.5	74.8	80.6	87.0	91.3	92.8	94.3	95.1	95.4	96.3	96.3	96.3	96.4	96.4	96.4	96.4
IV 100	62.5	74.8	80.6	87.0	91.3	92.8	94.3	95.1	95.4	96.3	96.3	96.3	96.4	96.4	96.4	96.4
IV 0	62.5	74.8	80.6	87.0	91.3	92.8	94.3	95.1	95.4	96.3	96.3	96.3	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 1193

C
2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 ~~BASE AFB W/PORTSMOUTH~~ 30-70 YEARS 1111

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-3300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.6	50.3	55.2	58.2	61.2	61.6	62.2	62.3	62.3	62.3	62.4	62.4	62.5	62.5	62.7	62.7
IV 20000	44.7	52.1	58.9	62.2	66.0	66.6	67.2	67.4	67.4	67.4	67.5	67.5	67.6	67.6	67.7	67.7
IV 18000	44.8	52.2	59.0	62.4	66.4	67.0	67.6	67.7	67.7	67.7	67.9	67.9	68.0	68.0	68.1	68.1
IV 16000	44.9	52.3	59.1	62.7	66.5	67.1	67.7	67.8	67.8	67.8	68.0	68.0	68.1	68.1	68.2	68.2
IV 14000	45.4	54.3	60.1	63.7	67.9	68.3	69.1	69.2	69.2	69.2	69.4	69.4	69.5	69.5	69.6	69.6
IV 12000	45.9	55.0	61.1	64.7	69.0	69.7	70.3	70.5	70.5	70.5	70.6	70.6	70.7	70.7	70.8	70.8
IV 10000	47.5	57.6	63.9	67.7	72.2	72.9	73.3	73.7	73.8	73.8	73.9	73.9	74.0	74.0	74.1	74.1
IV 9000	48.2	58.4	64.8	68.6	73.3	73.8	74.4	74.7	74.8	74.8	74.9	74.9	75.0	75.0	75.1	75.1
IV 8000	49.3	60.6	67.2	71.3	76.1	76.8	77.4	77.6	77.6	77.6	77.8	77.8	77.8	77.8	78.0	78.0
IV 7000	51.5	62.8	69.5	73.9	78.8	79.4	80.2	80.4	80.5	80.5	80.6	80.6	80.7	80.7	80.9	80.9
IV 6000	52.3	64.1	71.0	75.8	80.9	81.6	82.3	82.5	82.6	82.6	82.7	82.7	82.8	82.8	82.9	82.9
IV 5000	53.0	65.3	72.3	77.7	82.9	83.4	84.2	84.3	84.4	84.4	84.7	84.8	84.8	84.9	85.0	85.0
IV 4500	53.4	65.9	73.0	78.4	83.5	84.2	84.9	85.2	85.2	85.3	85.4	85.4	85.5	85.5	85.7	85.7
IV 4000	54.0	66.3	73.9	79.4	84.7	85.3	86.2	86.3	86.3	86.4	86.7	86.7	86.8	86.8	87.0	87.0
IV 3500	54.1	66.9	74.0	79.5	84.8	85.6	86.4	86.7	86.7	86.8	87.0	87.0	87.0	87.0	87.2	87.2
IV 3000	54.3	67.2	74.6	80.1	85.4	86.2	87.0	87.3	87.4	87.5	87.6	87.6	87.7	87.7	87.8	87.8
IV 2500	54.6	67.7	74.8	80.7	86.0	87.0	87.7	88.0	88.1	88.2	88.3	88.3	88.4	88.4	88.5	88.5
IV 2000	54.8	68.4	75.6	81.8	87.3	88.2	89.1	89.4	89.5	89.5	89.7	89.7	89.7	89.7	89.9	89.9
IV 1800	54.8	68.4	75.7	81.9	87.4	88.3	89.2	89.5	89.5	89.6	89.7	89.7	89.8	89.8	90.0	90.0
IV 1500	54.8	68.5	75.8	82.0	87.7	88.6	89.5	89.8	89.9	90.0	90.1	90.1	90.2	90.2	90.3	90.3
IV 1200	54.8	69.0	76.3	82.5	88.2	89.1	90.0	90.3	90.4	90.5	90.6	90.6	90.7	90.7	90.8	90.8
IV 1000	55.0	69.2	76.8	82.9	88.7	89.7	90.6	90.9	91.0	91.0	91.2	91.2	91.3	91.3	91.4	91.4
IV 900	55.0	69.3	76.8	82.9	88.7	89.7	90.6	90.9	91.0	91.0	91.2	91.2	91.3	91.3	91.4	91.4
IV 800	55.1	69.3	76.9	83.1	89.0	89.9	90.8	91.1	91.2	91.3	91.4	91.4	91.5	91.5	91.6	91.6
IV 700	55.1	69.3	77.0	83.3	89.2	90.1	91.0	91.3	91.3	91.3	91.7	91.7	91.8	91.8	91.9	92.0
IV 600	55.1	69.3	77.2	83.5	89.5	90.4	91.3	91.6	91.7	91.8	92.3	92.3	92.5	92.5	92.7	92.8
IV 500	55.1	69.3	77.2	83.5	89.5	90.4	91.3	91.6	91.7	91.8	92.3	92.3	92.5	92.5	92.7	92.8
IV 400	55.1	69.3	77.2	83.5	89.5	90.4	91.3	91.6	91.7	91.8	92.3	92.3	92.5	92.5	92.7	92.8
IV 300	55.1	69.3	77.2	83.5	89.5	90.4	91.3	91.6	91.7	91.8	92.3	92.3	92.5	92.5	92.7	92.8
IV 200	55.1	69.3	77.2	83.5	89.5	90.4	91.3	91.6	91.7	91.8	92.3	92.3	92.5	92.5	92.7	92.8
IV 100	55.1	69.3	77.2	83.5	89.5	90.4	91.3	91.6	91.7	91.8	92.3	92.3	92.5	92.5	92.7	92.8
IV 0	55.1	69.3	77.2	83.5	89.5	90.4	91.3	91.6	91.7	91.8	92.3	92.3	92.5	92.5	92.7	92.8

TOTAL NUMBER OF OBSERVATIONS 1393

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

04743 STATION PEASE AFB N H/PURTSMOUTH

30-70 YEARS

AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	43.9	54.4	58.5	60.9	63.0	63.4	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	
≥ 20000	43.8	54.4	61.1	64.1	66.5	66.9	67.1	67.4	67.5	67.5	67.7	67.7	67.7	67.7	67.7	
MW 18000	43.9	56.6	61.4	64.3	66.8	67.2	67.5	67.7	67.8	67.8	68.0	68.0	68.0	68.0	68.1	
14000	43.9	56.8	61.7	64.7	67.2	67.6	67.8	68.1	68.2	68.2	68.4	68.4	68.4	68.4	68.5	
MW 14000	46.7	57.8	62.9	65.9	68.3	68.9	69.1	69.4	69.5	69.5	69.7	69.7	69.7	69.7	69.7	
12000	47.5	59.3	64.7	67.6	70.5	70.9	71.2	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	
MW 10000	48.5	60.7	66.3	69.3	72.2	72.6	73.1	73.5	73.5	73.5	73.8	73.8	73.8	73.8	73.8	
9000	48.2	61.8	67.6	70.8	73.8	74.3	74.8	75.1	75.2	75.2	75.4	75.4	75.4	75.5	75.5	
MW 8000	50.4	64.0	70.1	73.8	77.0	77.4	77.9	78.3	78.4	78.4	78.7	78.7	78.7	78.7	78.8	
7000	51.0	64.7	71.0	74.7	77.9	78.4	78.9	79.2	79.3	79.4	79.6	79.6	79.6	79.7	79.7	
MW 4000	51.4	65.6	72.0	76.0	79.3	79.7	80.2	80.6	80.6	80.7	81.0	81.0	81.0	81.0	81.1	
5000	51.7	66.2	72.8	76.8	80.1	80.6	81.1	81.5	81.6	81.6	81.9	81.9	81.9	82.0	82.0	
MW 4500	51.7	66.3	73.0	77.1	80.4	80.9	81.4	81.8	81.9	81.9	82.2	82.2	82.2	82.2	82.3	
4000	52.0	67.0	73.7	78.2	81.6	82.1	82.5	83.0	83.1	83.2	83.5	83.5	83.5	83.6	83.6	
MW 3500	52.1	67.2	74.0	78.6	81.9	82.4	82.9	83.4	83.6	83.6	83.9	83.9	83.9	83.9	83.9	
3000	52.2	67.2	74.3	79.1	82.6	83.1	83.5	84.0	84.1	84.2	84.5	84.5	84.5	84.6	84.6	
MW 2500	52.3	67.7	74.9	79.8	83.2	83.8	84.4	84.8	84.9	85.0	85.3	85.3	85.3	85.4	85.4	
2000	52.3	68.5	75.6	80.8	84.0	84.6	85.2	85.9	85.9	86.1	86.4	86.4	86.4	86.5	86.5	
MW 1800	53.0	68.7	75.9	80.8	84.4	84.9	85.5	86.2	86.3	86.3	86.7	86.7	86.7	86.8	86.8	
1500	53.3	69.3	76.7	81.6	85.3	85.9	86.5	87.2	87.3	87.5	87.7	87.7	87.7	87.8	87.8	
MW 1200	53.4	69.6	76.8	82.1	85.8	86.4	87.0	87.7	87.8	88.0	88.2	88.2	88.2	88.3	88.3	
1000	53.5	69.7	77.1	82.4	86.1	86.7	87.3	88.0	88.1	88.2	88.5	88.5	88.5	88.6	88.6	
MW 900	53.5	69.7	77.1	82.4	86.2	86.8	87.4	88.2	88.3	88.5	88.8	88.8	88.8	88.9	88.9	
800	53.5	70.1	77.3	82.8	86.7	87.3	87.9	88.7	88.8	89.0	89.3	89.3	89.3	89.4	89.4	
MW 700	53.5	70.1	77.6	83.0	87.0	87.7	88.3	89.1	89.2	89.4	89.7	89.7	89.8	89.9	89.9	
600	53.5	70.1	77.7	83.2	87.2	88.0	88.7	89.5	89.7	89.9	90.2	90.2	90.4	90.5	90.5	
MW 500	53.5	70.1	78.0	83.4	88.0	88.7	89.4	90.2	90.3	90.5	91.1	91.1	91.3	91.4	91.5	
400	53.5	70.3	78.3	83.8	88.5	89.2	89.9	91.1	91.2	91.5	91.9	91.9	92.1	92.2	92.4	
MW 300	53.5	70.3	78.4	83.9	88.7	89.4	90.1	91.3	91.4	91.7	92.3	92.3	92.7	92.8	94.1	
200	53.5	70.3	78.6	83.9	89.0	90.0	91.0	92.0	92.1	92.3	92.9	92.9	93.6	93.8	94.6	
MW 100	53.5	70.3	78.6	83.9	89.1	90.1	91.0	92.0	92.1	92.3	92.9	92.9	93.8	94.0	94.6	
0	53.5	70.3	78.6	83.9	89.1	90.1	91.0	92.0	92.1	92.3	92.9	92.9	93.8	94.0	94.6	

TOTAL NUMBER OF OBSERVATIONS 1393

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04762
STATION

BASE ABN W/PURTSMOUTH
STATION NAME

56-70
YEARS

AVG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
TIME PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.5	47.8	51.3	54.3	57.1	58.1	59.1	59.3	59.3	59.9	60.0	60.0	60.1	60.1	60.4	60.5
≥ 20000	41.0	50.2	53.8	57.3	60.4	61.4	62.3	62.8	62.8	63.4	63.7	63.7	63.7	63.8	64.2	64.5
≥ 18000	41.1	50.3	54.1	57.4	60.5	61.6	62.7	63.0	63.1	63.7	63.9	63.9	63.9	64.0	64.4	64.7
≥ 16000	41.1	50.3	54.1	57.4	60.5	61.6	62.7	63.1	63.4	64.0	64.2	64.2	64.3	64.8	64.8	65.1
≥ 14000	41.9	51.5	55.6	59.1	62.3	63.4	64.6	64.9	65.1	65.7	65.9	65.9	66.0	66.1	66.5	66.8
≥ 12000	42.6	52.2	56.6	60.1	63.3	64.4	65.5	66.3	66.5	67.2	67.3	67.3	67.3	67.8	68.0	68.3
≥ 10000	44.2	54.6	59.1	62.7	66.3	67.4	68.7	69.2	69.4	70.0	70.3	70.3	70.4	70.5	70.9	71.2
≥ 9000	44.4	55.3	60.0	63.7	67.3	68.4	69.7	70.2	70.4	71.0	71.3	71.3	71.4	71.5	71.9	72.2
≥ 8000	45.4	57.3	62.3	66.3	70.5	71.5	72.9	73.4	73.6	74.3	74.6	74.6	74.6	74.7	75.1	75.5
≥ 7000	46.5	58.0	64.0	68.0	72.3	73.3	74.7	75.3	75.5	76.1	76.4	76.4	76.6	76.6	77.1	77.5
≥ 6000	47.2	60.1	65.2	69.4	73.6	74.7	76.1	76.6	76.8	77.3	77.6	77.6	77.9	78.0	78.3	78.9
≥ 5000	48.5	61.5	66.5	71.0	75.2	76.3	77.8	78.4	78.6	79.2	79.5	79.5	79.8	79.7	80.2	80.6
≥ 4500	48.7	61.7	67.0	71.3	75.6	76.8	78.2	78.8	79.0	79.6	79.9	79.9	80.1	80.1	80.6	81.0
≥ 4000	48.8	62.2	67.4	71.8	76.3	77.4	78.9	79.4	79.6	80.4	80.7	80.7	80.8	80.8	81.4	81.8
≥ 3500	48.9	62.3	67.7	72.0	76.5	77.8	79.2	79.8	80.0	80.6	80.9	80.9	81.1	81.1	81.6	82.0
≥ 3000	49.0	62.7	68.2	72.5	77.1	78.4	79.8	80.4	80.6	81.2	81.5	81.5	81.6	81.7	82.2	82.6
≥ 2500	49.2	63.6	69.2	73.5	78.2	79.3	80.9	81.5	81.7	82.4	82.7	82.7	82.8	82.9	83.4	83.7
≥ 2000	49.3	64.0	69.6	74.0	78.7	80.0	81.5	82.1	82.3	82.9	83.2	83.2	83.4	83.4	83.9	84.3
≥ 1800	49.5	64.1	69.7	74.2	78.9	80.3	81.8	82.4	82.6	83.2	83.5	83.5	83.7	83.7	84.2	84.6
≥ 1500	49.7	64.6	70.3	74.9	79.7	81.1	82.5	83.0	83.2	83.8	84.2	84.2	84.7	84.7	85.2	85.6
≥ 1200	49.7	64.7	70.5	75.1	80.0	81.4	82.8	83.7	83.9	84.3	84.8	84.8	84.9	85.0	85.5	85.9
≥ 1000	49.9	65.2	70.9	75.7	80.6	82.0	83.4	84.2	84.4	84.8	85.1	85.1	85.4	85.4	85.9	86.3
≥ 900	50.0	65.3	71.0	75.8	80.8	82.2	83.6	84.4	84.7	85.3	85.6	85.6	85.7	85.8	86.3	86.7
≥ 800	50.0	65.2	71.0	75.8	81.1	82.4	83.8	84.9	85.2	85.8	86.1	86.1	86.2	86.3	86.8	87.2
≥ 700	50.1	65.4	71.2	76.0	81.7	83.0	84.4	85.3	85.6	86.3	86.6	86.6	86.8	87.0	87.5	87.9
≥ 600	50.3	65.7	71.7	77.1	82.4	83.7	85.1	86.2	86.4	87.3	87.6	87.6	87.7	87.8	88.3	88.7
≥ 500	50.3	65.9	72.0	77.4	83.1	84.4	85.8	87.4	87.6	88.6	89.1	89.1	89.2	89.4	89.9	90.3
≥ 400	50.3	66.0	72.1	77.6	83.4	84.7	86.1	88.3	88.5	89.4	89.7	89.7	89.8	91.0	91.5	91.9
≥ 300	50.3	66.0	72.1	77.6	83.4	84.7	86.1	88.3	88.5	89.4	89.7	89.7	89.8	91.0	91.5	91.9
≥ 200	50.3	66.0	72.1	77.6	83.4	84.7	86.1	88.3	88.5	89.4	89.7	89.7	89.8	91.0	91.5	91.9
≥ 100	50.3	66.0	72.1	77.6	83.4	84.7	86.1	88.3	88.5	89.4	89.7	89.7	89.8	91.0	91.5	91.9
0	50.3	66.0	72.1	77.6	83.4	84.7	86.1	88.3	88.5	89.4	89.7	89.7	89.8	91.0	91.5	91.9

TOTAL NUMBER OF OBSERVATIONS 1333

2

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

04763 BASE AFB N H/PURTSMOUTH

56-70

YEARS

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0400-0900

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	38.0	44.4	47.6	50.8	53.3	54.2	55.2	55.6	55.6	56.0	56.1	56.1	56.1	56.1	56.1	56.3
≥ 20000	40.4	47.8	51.0	54.8	57.3	58.4	59.8	60.1	60.2	60.4	60.8	60.9	60.9	60.9	60.9	61.3
IV 18000	40.6	47.7	51.3	54.8	57.6	58.8	60.1	60.5	60.6	61.1	61.2	61.3	61.4	61.4	61.4	61.7
IV 16000	40.8	48.3	51.8	55.3	58.1	59.4	60.8	61.1	61.3	61.7	61.9	61.9	62.0	62.0	62.0	62.4
IV 14000	41.4	49.0	52.6	56.3	59.3	60.5	61.9	62.4	62.5	62.9	63.1	63.2	63.2	63.2	63.2	63.6
IV 12000	42.7	51.3	55.3	59.1	62.2	63.4	65.0	65.4	65.6	66.4	66.8	66.8	66.8	66.7	66.7	67.1
IV 10000	44.9	53.8	58.4	62.4	65.4	66.7	68.4	68.8	69.0	69.7	69.9	70.0	70.1	70.1	70.1	70.5
IV 9000	45.4	54.4	59.2	63.2	66.3	67.4	69.2	69.7	69.8	70.4	70.8	70.8	71.0	71.0	71.0	71.3
IV 8000	46.9	56.2	60.9	65.2	68.4	69.7	71.5	72.0	72.2	73.0	73.3	73.3	73.3	73.3	73.3	73.9
IV 7000	48.0	58.5	63.3	67.4	70.8	72.3	74.1	74.7	74.9	75.8	76.0	76.1	76.3	76.3	76.3	76.7
IV 6000	49.0	59.6	64.6	69.1	72.4	73.8	75.7	76.3	76.6	77.4	77.6	77.7	78.0	78.0	78.0	78.4
IV 5000	49.7	60.4	65.4	69.8	73.3	74.7	76.6	77.3	77.4	78.4	78.6	78.7	79.0	79.0	79.0	79.4
IV 4500	50.1	60.9	65.8	70.3	73.8	75.3	77.2	77.8	78.1	79.0	79.2	79.3	79.6	79.6	79.6	79.9
IV 4000	50.4	61.3	66.3	71.1	74.6	76.1	78.0	78.7	78.8	80.4	80.4	80.4	80.8	80.8	80.8	81.3
IV 3500	50.7	62.0	67.1	71.8	75.4	77.0	79.0	79.7	80.2	81.1	81.3	81.4	81.6	81.6	81.6	82.0
IV 3000	51.1	62.8	67.7	72.5	76.1	77.7	80.1	80.7	81.0	81.9	82.1	82.2	82.4	82.4	82.4	82.8
IV 2500	51.5	63.6	68.7	73.5	77.2	78.9	81.3	82.0	82.3	83.2	83.4	83.4	83.7	83.7	83.7	84.1
IV 2000	51.8	63.9	69.0	73.8	77.5	79.2	81.7	82.4	82.7	83.6	83.8	83.8	84.2	84.2	84.2	84.6
IV 1800	51.9	64.0	69.2	74.1	77.8	79.5	82.0	82.7	83.0	83.9	84.1	84.2	84.4	84.4	84.4	84.8
IV 1500	52.1	64.4	69.6	74.5	78.2	80.0	82.5	83.2	83.5	84.4	84.6	84.6	85.0	85.0	85.0	85.4
IV 1200	52.2	65.0	70.3	75.4	79.1	80.9	83.4	84.1	84.4	85.3	85.5	85.5	85.9	85.9	85.9	86.3
IV 1000	52.2	65.1	70.5	75.6	79.3	81.1	83.6	84.3	84.6	85.5	85.7	85.7	86.1	86.1	86.1	86.5
IV 900	52.2	65.1	70.6	75.8	79.5	81.3	83.8	84.5	84.8	85.7	85.9	85.9	86.3	86.3	86.3	86.7
IV 800	52.3	65.2	70.8	76.0	79.7	81.5	84.0	84.7	85.0	85.9	86.1	86.1	86.5	86.5	86.5	86.9
IV 700	52.4	65.4	71.2	76.4	80.1	81.9	84.4	85.1	85.4	86.3	86.5	86.5	86.9	86.9	86.9	87.3
IV 600	52.4	65.4	71.3	76.6	80.3	82.1	84.6	85.3	85.6	86.5	86.7	86.7	87.1	87.1	87.1	87.5
IV 500	52.5	65.6	71.7	77.0	80.5	82.3	84.8	85.5	85.8	86.7	86.9	86.9	87.3	87.3	87.3	87.7
IV 400	52.5	65.6	71.7	77.0	80.5	82.3	84.8	85.5	85.8	86.7	86.9	86.9	87.3	87.3	87.3	87.7
IV 300	52.5	65.6	71.7	77.0	80.5	82.3	84.8	85.5	85.8	86.7	86.9	86.9	87.3	87.3	87.3	87.7
IV 200	52.5	65.6	71.7	77.0	80.5	82.3	84.8	85.5	85.8	86.7	86.9	86.9	87.3	87.3	87.3	87.7
IV 100	52.5	65.6	71.7	77.0	80.5	82.3	84.8	85.5	85.8	86.7	86.9	86.9	87.3	87.3	87.3	87.7
IV 0	52.5	65.6	71.7	77.0	80.5	82.3	84.8	85.5	85.8	86.7	86.9	86.9	87.3	87.3	87.3	87.7

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04762 STATION PEASE AFB N H/PORSMOUTH

58-70

YEARS

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.8	53.2	59.8	58.2	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	50.4	57.6	60.0	63.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IN 18000	50.7	58.0	60.9	63.8	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IN 16000	51.2	58.5	61.4	64.4	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IN 14000	51.9	59.2	62.2	65.1	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IN 12000	52.3	60.8	63.9	67.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IN 10000	56.0	64.0	67.4	70.8	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IN 9000	56.3	64.5	67.9	71.3	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IN 8000	57.3	65.6	69.1	72.8	74.7	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IN 7000	58.4	67.0	70.5	74.3	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IN 6000	59.0	67.7	71.4	75.1	77.1	77.3	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IN 5000	59.9	68.8	72.6	76.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IN 4500	61.1	70.8	74.8	78.6	80.6	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IN 4000	61.7	71.5	75.5	79.4	81.4	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IN 3500	62.7	73.0	77.0	81.1	83.0	83.2	83.5	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IN 3000	63.9	74.7	78.8	83.1	85.2	85.4	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IN 2500	64.7	75.8	80.3	84.7	86.7	87.0	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IN 2000	64.9	76.5	80.9	85.3	87.4	87.7	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IN 1800	65.5	77.8	82.0	86.8	88.7	89.0	89.3	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IN 1500	66.0	78.6	83.2	88.1	90.5	90.8	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IN 1200	66.1	79.1	83.8	88.9	91.5	91.7	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IN 1000	66.2	79.1	84.1	89.2	91.7	92.0	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IN 900	66.3	79.2	84.2	89.3	91.8	92.1	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IN 800	66.3	79.2	84.2	89.3	91.8	92.1	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IN 700	66.3	79.2	84.2	89.3	91.8	92.1	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IN 600	66.3	79.2	84.2	89.3	91.8	92.1	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IN 500	66.3	80.2	85.7	91.6	93.0	93.8	94.7	94.6	94.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IN 400	66.3	80.2	85.7	91.6	93.0	93.8	94.7	94.6	94.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IN 300	66.3	80.2	85.7	91.6	93.0	93.8	94.7	94.6	94.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IN 200	66.3	80.2	85.7	91.6	93.0	93.8	94.7	94.6	94.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IN 100	66.3	80.2	85.7	91.6	93.0	93.8	94.7	94.6	94.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IN 0	66.3	80.2	85.7	91.6	93.0	93.8	94.7	94.6	94.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 1332

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 WASSAIC AFB N.Y./PORTSMOUTH 56-70 YEARS ANC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.0	52.7	53.7	55.1	55.8	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	52.0	58.4	59.8	61.4	62.4	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
18000	52.3	58.7	60.1	61.7	62.8	62.8	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
16000	52.8	59.3	60.8	62.4	63.4	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
14000	53.3	60.0	61.8	63.4	64.4	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
12000	54.4	61.4	63.7	65.4	66.4	66.4	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
10000	57.2	64.5	66.8	69.1	70.4	70.4	70.9	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
9000	57.4	64.8	67.2	69.8	70.8	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
8000	58.9	66.8	69.2	71.8	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
7000	60.1	68.2	70.8	73.8	75.1	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
6000	60.6	69.0	71.8	74.8	75.9	75.9	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
5000	62.0	70.5	73.5	75.8	77.0	77.0	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
4500	62.8	71.7	74.8	77.1	78.9	79.0	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
4000	63.8	73.2	76.1	80.8	82.7	82.8	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
3500	67.2	76.6	79.7	82.4	84.4	84.6	84.7	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
3000	68.7	78.8	81.9	84.7	86.8	87.0	87.2	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2500	70.3	81.1	84.3	87.2	89.4	89.6	89.7	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2000	71.1	82.3	85.5	88.8	90.8	91.0	91.1	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1800	71.3	83.0	86.2	89.3	91.3	91.6	91.9	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1500	72.0	83.7	87.1	90.8	92.8	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
1200	72.2	84.2	87.5	91.0	93.3	93.8	94.0	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
1000	72.3	84.3	87.7	91.3	93.8	94.3	94.5	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
900	72.3	84.4	87.9	91.3	94.3	94.7	95.0	95.3	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
800	72.3	84.7	88.2	91.9	94.8	95.2	95.5	95.8	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
700	72.4	84.9	88.4	92.2	95.3	95.7	96.0	96.4	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
600	72.4	85.2	88.7	92.8	95.7	96.1	96.4	96.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
500	72.4	85.3	89.0	92.9	96.3	96.7	97.1	97.4	97.8	98.1	98.3	98.6	98.6	98.6	98.6	98.6
400	72.4	85.3	89.1	93.0	96.8	97.2	97.6	97.9	98.3	98.6	98.9	99.0	99.0	99.1	99.1	99.1
300	72.4	85.3	89.1	93.0	96.8	97.2	97.6	97.9	98.3	98.6	98.9	99.0	99.0	99.1	99.1	99.1
200	72.4	85.3	89.1	93.0	96.8	97.2	97.6	97.9	98.3	98.6	98.9	99.0	99.0	99.1	99.1	99.1
100	72.4	85.3	89.1	93.0	96.8	97.2	97.6	97.9	98.3	98.6	98.9	99.0	99.0	99.1	99.1	99.1
0	72.4	85.3	89.1	93.0	96.8	97.2	97.6	97.9	98.3	98.6	98.9	99.0	99.0	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 1388

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 STATION RAAFS AFB N 4/FORTSMOUTH YEAR 56-70 MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1400-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	48.4	55.0	56.6	58.9	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
18000	54.1	61.7	63.4	66.1	66.5	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
16000	54.3	62.0	63.7	66.4	66.8	66.8	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
14000	55.2	63.1	63.0	67.7	68.1	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
12000	56.3	64.3	67.1	69.8	70.3	70.3	70.3	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
10000	58.8	67.6	69.8	72.8	73.4	73.5	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
9000	59.4	68.3	70.7	73.8	74.3	74.3	74.3	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
8000	62.2	71.4	74.1	77.8	78.5	78.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
7000	63.4	72.3	73.6	79.4	80.0	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
6000	64.4	73.7	76.3	80.4	81.0	81.1	81.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
5000	65.4	74.3	77.3	81.3	82.3	82.3	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
4500	66.2	76.1	79.0	82.2	83.9	84.2	84.2	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4000	68.3	78.2	82.2	85.3	87.2	87.3	87.3	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
3500	69.8	80.3	83.4	87.9	88.7	88.9	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
3000	71.0	82.0	83.0	89.3	90.1	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2500	71.6	82.9	83.9	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2000	71.8	83.2	84.3	91.0	92.0	92.3	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
1800	72.0	83.4	86.3	91.3	92.3	92.6	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
1500	72.3	83.9	87.0	91.8	93.1	93.4	93.5	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1200	72.6	84.0	87.2	92.0	93.3	93.7	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
1000	72.7	84.1	87.2	92.1	93.3	93.8	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
900	72.8	84.2	87.4	92.3	93.7	94.1	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
800	72.8	84.3	87.5	92.3	93.8	94.1	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
700	72.9	84.7	87.9	93.0	94.0	94.9	95.3	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
600	72.9	84.7	88.0	93.1	94.0	94.9	95.3	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
500	73.0	84.7	88.0	93.2	94.0	94.9	95.3	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
400	73.0	84.7	88.0	93.2	94.0	94.9	95.3	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
300	73.0	84.8	88.1	93.3	94.0	94.9	95.3	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
200	73.0	84.8	88.1	93.3	94.0	94.9	95.3	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
100	73.0	84.8	88.1	93.3	94.0	94.9	95.3	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0	73.0	84.8	88.1	93.3	94.0	94.9	95.3	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 1883

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04762 BASE AFB N H/RUBENMOUTH

56-70

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1959-1960

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	46.3	52.2	55.0	57.3	58.6	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1
≥ 20000	50.2	56.7	59.5	62.8	64.5	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2
18000	50.6	57.1	60.4	63.2	64.9	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.7
16000	51.1	57.6	60.9	63.7	65.4	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.2
14000	52.1	59.1	62.3	65.4	67.2	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0
12000	53.3	60.8	64.4	67.3	69.4	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.3
10000	55.1	63.8	67.3	70.8	73.0	73.3	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
9000	55.8	64.7	68.4	71.8	74.1	74.4	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3
8000	57.9	67.7	71.3	75.4	77.8	78.4	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.1
7000	58.6	68.7	72.8	76.8	79.2	79.8	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6
6000	58.9	69.2	73.4	77.3	79.9	80.5	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.3
5000	60.1	70.2	74.8	79.1	81.7	82.4	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.3
4500	60.6	71.4	75.9	80.3	83.0	83.7	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.5
4000	61.0	72.5	77.1	81.5	84.3	85.0	85.5	85.7	85.7	85.8	85.9	85.9	85.9	85.9	85.9	86.1
3500	62.5	73.9	78.3	82.9	85.8	86.5	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.6
3000	62.7	75.2	79.8	84.4	87.5	88.2	88.7	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.2
2500	64.1	75.8	80.6	85.4	88.9	89.2	89.7	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.3
2000	64.2	75.8	80.7	85.4	88.9	89.2	89.7	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.6
1800	64.2	76.0	80.8	85.7	88.8	89.3	90.2	90.4	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.8
1500	64.2	76.1	80.9	85.9	89.2	89.7	90.7	90.9	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.3
1200	64.3	76.2	81.2	86.3	90.0	90.8	91.3	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.2
1000	64.3	76.4	81.4	86.4	90.4	91.1	91.9	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.5
900	64.6	76.6	81.6	86.7	90.6	91.3	92.1	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	93.0
800	64.6	76.7	81.9	87.2	91.1	91.8	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.4
700	64.6	76.7	81.9	87.2	91.1	91.8	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.7
600	64.6	76.7	81.9	87.2	91.1	91.8	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.7
500	64.7	76.8	82.0	87.3	91.4	92.1	93.0	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.4
400	64.7	76.8	82.1	87.7	92.0	92.7	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.4
300	64.7	76.8	82.1	87.7	92.0	92.7	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.4
200	64.7	76.8	82.1	87.7	92.0	92.7	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.4
100	64.7	76.8	82.1	87.7	92.0	92.7	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.4
0	64.7	76.8	82.1	87.7	92.0	92.7	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.4

TOTAL NUMBER OF OBSERVATIONS 1295

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 PHASE AFB N W/PURTSMOUTH 56-70 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2100

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	44.3	52.5	56.1	60.2	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.9	62.9	62.9	63.1
≥ 20000	46.0	55.1	59.1	63.4	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.7	66.7	66.7	66.9
MV 18000	46.2	55.3	59.4	63.7	66.5	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.9	67.0	67.0	67.0	67.2
MV 16000	46.2	55.3	59.4	63.7	66.5	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.9	67.0	67.0	67.0	67.2
MV 14000	47.5	57.1	61.4	65.7	68.5	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.9	69.0	69.0	69.0	69.2
MV 12000	48.1	58.8	63.4	67.7	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	71.0	71.0	71.0	71.2
MV 10000	49.7	60.7	65.3	69.7	72.8	73.0	73.0	73.0	73.0	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.5
MV 9000	50.3	61.4	66.4	70.8	74.0	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.6
MV 8000	51.9	64.0	69.1	73.8	77.1	77.3	77.4	77.4	77.4	77.4	77.5	77.6	77.6	77.6	77.7	77.8	77.9
MV 7000	53.0	65.3	71.0	75.7	79.1	79.4	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.7	79.8	79.8	80.1
MV 6000	53.9	66.8	72.4	77.3	81.1	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.7	81.8	81.8	81.9	82.1
MV 5000	54.4	67.8	73.6	78.8	82.7	83.0	83.2	83.2	83.2	83.3	83.3	83.4	83.4	83.5	83.5	83.6	83.8
MV 4500	55.1	69.0	74.8	79.9	83.8	84.2	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.6	84.7	84.7	84.9
MV 4000	55.1	69.4	75.3	80.3	84.4	84.8	85.0	85.1	85.1	85.2	85.2	85.2	85.3	85.4	85.4	85.7	85.7
MV 3500	55.3	69.7	75.7	80.9	85.0	85.4	85.7	85.7	85.7	85.8	85.9	85.9	85.9	86.0	86.1	86.1	86.3
MV 3000	55.7	70.1	76.2	81.8	85.8	86.3	86.6	86.6	86.6	86.7	86.8	86.8	86.8	86.9	86.9	87.0	87.0
MV 2500	56.0	70.6	76.8	82.2	86.2	86.6	87.0	87.0	87.0	87.2	87.2	87.2	87.3	87.4	87.5	87.5	87.7
MV 2000	56.3	71.0	77.1	82.7	86.9	87.3	87.7	87.7	87.7	87.8	87.9	87.9	88.0	88.0	88.1	88.1	88.3
MV 1800	56.3	71.2	77.3	83.0	87.2	87.6	88.0	88.0	88.0	88.2	88.2	88.2	88.3	88.4	88.5	88.5	88.7
MV 1500	56.3	71.5	77.6	83.7	88.0	88.4	88.7	88.8	88.8	89.0	89.0	89.0	89.1	89.2	89.2	89.3	89.5
MV 1200	56.8	71.8	78.1	83.9	88.4	88.7	89.3	89.3	89.3	89.5	89.5	89.6	89.7	89.7	89.8	89.8	90.0
MV 1000	56.8	72.0	78.2	84.1	88.8	89.2	89.8	89.8	89.8	90.0	90.0	90.1	90.2	90.3	90.3	90.5	90.5
MV 900	56.8	72.0	78.2	84.1	89.0	89.4	89.8	89.8	89.8	90.0	90.0	90.1	90.3	90.3	90.4	90.5	90.7
MV 800	56.8	72.1	78.3	84.2	89.2	89.6	90.0	90.0	90.0	90.2	90.2	90.3	90.5	90.5	90.6	90.7	90.9
MV 700	56.8	72.3	78.6	84.6	89.7	90.2	90.6	90.6	90.6	90.8	90.8	90.9	91.0	91.0	91.1	91.3	91.3
MV 600	56.8	72.4	78.7	84.7	89.8	90.3	90.7	90.7	90.7	90.9	90.9	91.0	91.1	91.1	91.2	91.3	91.5
MV 500	56.9	72.6	78.9	85.0	90.0	90.5	90.9	90.9	90.9	91.1	91.1	91.2	91.3	91.4	91.4	91.5	91.7
MV 400	56.9	72.6	79.0	85.3	90.3	90.8	91.2	91.2	91.2	91.4	91.4	91.5	91.6	91.6	91.7	91.8	92.1
MV 300	56.9	72.6	79.0	85.3	90.3	90.8	91.2	91.2	91.2	91.4	91.4	91.5	91.6	91.6	91.7	91.8	92.1
MV 200	56.9	72.6	79.0	85.3	90.3	90.8	91.2	91.2	91.2	91.4	91.4	91.5	91.6	91.6	91.7	91.8	92.1
MV 100	56.9	72.6	79.0	85.3	90.3	90.8	91.2	91.2	91.2	91.4	91.4	91.5	91.6	91.6	91.7	91.8	92.1
0	56.9	72.6	79.0	85.3	90.3	90.8	91.2	91.2	91.2	91.4	91.4	91.5	91.6	91.6	91.7	91.8	92.1

TOTAL NUMBER OF OBSERVATIONS 1385

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 PLASE AFB W H/PURTSMOUTH STATION NAME

YEAR 58-70

YEARS

MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM 0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	42.8	49.6	52.6	53.9	55.8	56.2	56.8	57.3	57.4	57.9	57.9	57.9	58.2	58.3	59.0	59.4
IV 20000	43.3	52.5	55.7	57.3	59.2	59.6	60.2	60.7	60.8	61.3	61.3	61.3	61.6	61.7	62.4	62.8
IV 18000	43.3	52.6	55.8	57.4	59.3	59.7	60.3	60.8	60.9	61.4	61.4	61.4	61.7	61.8	62.6	62.9
IV 16000	43.4	52.7	56.0	57.7	59.6	60.0	60.6	61.1	61.2	61.7	61.7	61.7	62.0	62.1	62.7	63.2
IV 14000	43.6	53.0	56.4	58.1	60.1	60.5	61.1	61.6	61.7	62.2	62.2	62.2	62.5	62.6	63.3	63.7
IV 12000	43.5	54.1	57.6	59.4	61.3	61.8	62.4	62.9	63.0	63.5	63.5	63.5	63.8	63.9	64.3	65.0
IV 10000	43.4	54.2	57.7	59.5	61.4	61.9	62.5	63.0	63.1	63.6	63.6	63.6	63.9	64.0	64.7	65.2
IV 9000	43.4	54.3	57.8	59.6	61.5	62.0	62.6	63.1	63.2	63.7	63.7	63.7	64.0	64.1	64.8	65.3
IV 8000	50.1	58.9	63.0	65.0	67.0	67.6	68.2	68.7	68.8	69.3	69.3	69.3	69.6	69.8	70.4	71.0
IV 7000	51.0	60.4	64.5	67.0	69.0	69.6	70.2	70.7	70.8	71.3	71.3	71.3	71.6	71.8	72.4	73.0
IV 6000	52.0	62.0	66.1	68.4	70.8	71.4	72.0	72.5	72.6	73.1	73.1	73.1	73.4	73.6	74.2	74.7
IV 5000	53.3	63.9	68.2	70.7	73.1	73.7	74.3	74.8	74.9	75.4	75.4	75.4	75.7	75.9	76.5	77.0
IV 4500	54.1	64.7	69.2	71.7	74.2	74.8	75.4	75.9	76.0	76.5	76.5	76.5	76.8	77.0	77.6	78.1
IV 4000	54.6	65.4	70.3	72.1	75.7	76.4	77.0	77.5	77.6	78.1	78.1	78.1	78.4	78.5	79.2	79.7
IV 3500	54.7	65.7	70.4	72.3	75.9	76.6	77.2	77.7	77.8	78.3	78.3	78.3	78.6	78.7	79.4	79.9
IV 3000	55.4	66.4	71.3	72.2	77.0	77.7	78.3	78.8	78.9	79.4	79.4	79.4	79.7	79.9	80.5	81.0
IV 2500	56.4	68.0	73.0	73.9	78.9	79.6	80.2	80.7	80.8	81.3	81.3	81.3	81.6	81.8	82.4	83.0
IV 2000	56.7	68.4	73.7	74.7	79.9	80.7	81.3	81.8	81.9	82.4	82.4	82.4	82.7	82.8	83.5	84.0
IV 1800	56.8	69.0	74.1	75.2	80.4	81.1	81.7	82.2	82.3	82.8	82.8	82.8	83.1	83.3	83.9	84.4
IV 1500	56.9	69.4	74.6	75.8	81.1	81.9	82.5	83.0	83.0	83.5	83.5	83.5	83.8	84.0	84.7	85.2
IV 1200	57.0	69.8	75.0	76.2	81.6	82.4	83.0	83.5	83.6	84.1	84.1	84.1	84.4	84.6	85.3	85.8
IV 1000	57.0	69.8	75.1	76.4	81.9	82.7	83.3	83.8	83.9	84.4	84.4	84.4	84.7	84.9	85.6	86.1
IV 900	57.0	69.8	75.1	76.4	82.1	83.0	83.6	84.1	84.2	84.7	84.7	84.7	85.0	85.2	85.9	86.4
IV 800	57.0	69.8	75.2	76.7	82.7	83.6	84.2	84.7	84.8	85.3	85.3	85.3	85.6	85.8	86.5	87.0
IV 700	57.3	70.4	75.8	76.6	83.0	84.0	84.6	85.1	85.2	85.7	85.7	85.7	86.0	86.2	86.9	87.4
IV 600	57.4	70.8	76.2	77.0	83.2	84.2	84.8	85.3	85.4	85.9	85.9	85.9	86.2	86.4	87.1	87.6
IV 500	57.4	70.8	76.4	77.2	83.4	84.4	85.0	85.5	85.6	86.1	86.1	86.1	86.4	86.6	87.3	87.8
IV 400	57.4	70.8	76.4	77.2	83.4	84.4	85.0	85.5	85.6	86.1	86.1	86.1	86.4	86.6	87.3	87.8
IV 300	57.4	70.8	76.4	77.2	83.4	84.4	85.0	85.5	85.6	86.1	86.1	86.1	86.4	86.6	87.3	87.8
IV 200	57.4	70.8	76.4	77.2	83.4	84.4	85.0	85.5	85.6	86.1	86.1	86.1	86.4	86.6	87.3	87.8
IV 100	57.4	70.8	76.4	77.2	83.4	84.4	85.0	85.5	85.6	86.1	86.1	86.1	86.4	86.6	87.3	87.8
IV 0	57.4	70.8	76.4	77.2	83.4	84.4	85.0	85.5	85.6	86.1	86.1	86.1	86.4	86.6	87.3	87.8

TOTAL NUMBER OF OBSERVATIONS 1350

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04767 BASE AFB N WABORTENDOUTH

56-70

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.7	47.3	50.4	52.4	55.1	55.2	55.9	56.5	56.5	56.9	57.1	57.2	57.3	57.5	57.9	58.2
N 20000	42.1	50.0	53.1	55.3	58.0	58.1	58.8	59.5	59.5	59.8	60.1	60.1	60.4	60.8	61.0	61.5
N 18000	43.1	50.0	53.1	55.3	58.0	58.1	58.8	59.5	59.5	59.9	60.1	60.1	60.4	60.8	61.0	61.5
N 16000	43.3	50.1	53.3	55.4	58.1	58.2	59.0	59.6	59.6	60.0	60.2	60.3	60.5	60.7	61.2	61.6
N 14000	43.5	50.6	53.7	56.0	58.8	58.9	59.6	60.3	60.3	60.7	60.9	61.0	61.2	61.3	61.9	62.3
N 12000	44.1	51.2	54.3	56.6	59.6	59.7	60.4	61.2	61.2	61.6	61.8	61.9	62.1	62.2	62.7	63.2
N 10000	45.1	53.0	56.1	58.7	61.6	61.9	62.6	63.3	63.3	63.7	63.9	64.0	64.2	64.4	64.9	65.3
N 9000	45.3	53.3	56.4	59.1	62.1	62.4	63.1	63.8	63.8	64.2	64.4	64.5	64.7	64.9	65.4	65.8
N 8000	47.0	55.0	59.0	61.7	64.8	65.0	65.8	66.5	66.5	66.9	67.1	67.2	67.4	67.6	68.1	68.6
N 7000	48.5	57.5	61.7	64.5	67.6	67.8	68.5	69.2	69.2	69.6	70.0	70.1	70.3	70.4	71.0	71.5
N 6000	50.0	59.3	63.3	66.2	69.4	69.6	70.4	71.3	71.3	71.7	71.9	72.0	72.2	72.4	72.9	73.4
N 5000	51.4	61.4	65.4	68.3	71.7	71.8	72.7	73.6	73.7	74.1	74.3	74.4	74.6	74.7	75.3	75.8
N 4500	51.6	61.8	65.9	68.9	72.6	72.8	73.7	74.5	74.6	75.0	75.2	75.3	75.5	75.6	76.1	76.7
N 4000	52.1	62.4	66.5	70.4	73.8	73.9	74.8	75.6	75.6	76.0	76.2	76.3	76.5	76.7	77.2	77.7
N 3500	52.8	63.0	67.3	70.9	74.1	74.4	75.1	76.1	76.1	76.6	76.8	76.9	77.1	77.3	77.8	78.3
N 3000	53.3	63.8	68.4	72.0	75.3	75.6	76.3	77.3	77.3	77.8	78.0	78.1	78.3	78.4	79.0	79.5
N 2500	53.9	64.7	69.5	73.1	76.6	76.8	77.5	78.5	78.6	79.1	79.3	79.4	79.6	79.9	80.4	80.9
N 2000	54.3	65.8	70.7	74.4	77.9	78.2	79.0	80.0	80.1	80.6	80.8	80.9	81.1	81.3	81.8	82.4
N 1800	54.4	66.1	71.2	74.9	78.4	78.7	79.4	80.4	80.5	81.0	81.3	81.3	81.6	81.8	82.4	82.9
N 1500	54.5	66.4	71.6	75.4	79.0	79.3	80.1	81.1	81.2	81.7	81.9	82.0	82.2	82.4	83.0	83.6
N 1200	54.7	66.7	72.1	75.9	79.6	79.9	80.7	81.7	81.8	82.3	82.5	82.6	82.8	83.0	83.6	84.1
N 1000	54.7	66.9	72.4	76.2	80.0	80.3	81.1	82.1	82.2	82.7	82.9	83.0	83.2	83.4	84.0	84.5
N 900	54.7	66.9	72.5	77.0	81.0	81.3	82.1	83.1	83.2	83.7	83.9	84.0	84.2	84.4	85.0	85.6
N 800	54.7	67.0	72.6	77.3	81.0	81.3	82.1	83.1	83.2	83.7	83.9	84.0	84.2	84.4	85.0	85.6
N 700	54.8	67.3	73.2	77.9	82.7	83.2	84.0	85.0	85.1	85.6	85.9	85.9	86.1	86.4	87.0	87.5
N 600	54.8	67.4	73.3	78.3	83.3	83.8	84.1	85.1	85.2	85.7	85.8	86.0	86.2	86.4	87.0	87.5
N 500	54.9	67.5	73.5	79.0	84.3	84.9	85.0	86.1	86.2	86.7	86.9	87.0	87.2	87.4	88.0	88.6
N 400	54.9	67.6	73.6	79.2	84.3	84.9	85.0	86.1	86.2	86.7	86.9	87.0	87.2	87.4	88.0	88.6
N 300	54.9	67.6	73.6	79.2	84.3	84.9	85.0	86.1	86.2	86.7	86.9	87.0	87.2	87.4	88.0	88.6
N 200	54.9	67.7	73.7	79.4	84.3	84.9	85.0	86.1	86.2	86.7	86.9	87.0	87.2	87.4	88.0	88.6
N 100	54.9	67.7	73.7	79.4	84.3	84.9	85.0	86.1	86.2	86.7	86.9	87.0	87.2	87.4	88.0	88.6
0	54.9	67.7	73.7	79.4	84.3	84.9	85.0	86.1	86.2	86.7	86.9	87.0	87.2	87.4	88.0	88.6

TOTAL NUMBER OF OBSERVATIONS 1380

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04742 STATION PEASE AFB W/PORSMOUTH 50-70 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0500
GMT (LTP)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.5	45.0	46.7	49.2	50.9	51.2	51.7	51.9	52.1	52.6	52.6	52.9	53.0	53.0	53.0	53.9
≥ 20000	43.0	48.1	50.1	52.9	54.4	55.1	55.7	56.1	56.3	56.7	57.0	57.3	57.3	57.3	57.3	58.3
18000	43.0	48.2	50.3	53.0	55.0	55.3	55.9	56.3	56.5	57.0	57.2	57.3	57.5	57.5	57.6	58.5
16000	43.1	48.3	50.4	53.1	55.1	55.4	56.0	56.4	56.6	57.0	57.3	57.3	57.6	57.6	57.6	58.6
14000	43.8	49.2	51.3	54.1	56.2	56.5	57.1	57.5	57.7	58.1	58.4	58.4	58.7	58.7	58.7	59.7
12000	45.0	50.7	52.8	55.8	57.8	58.1	58.7	59.1	59.3	59.8	60.0	60.1	60.3	60.3	60.4	61.3
10000	45.9	52.2	54.4	57.6	59.8	60.1	60.7	61.1	61.3	61.8	62.0	62.1	62.3	62.3	62.4	63.3
9000	46.7	53.1	55.3	58.7	61.0	61.3	61.9	62.3	62.5	63.0	63.2	63.3	63.5	63.5	63.6	64.5
8000	48.2	55.0	57.6	60.8	63.3	63.6	64.2	64.6	64.8	65.3	65.5	65.6	65.8	65.8	65.9	66.8
7000	50.6	57.8	60.3	63.6	66.1	66.4	67.2	67.6	67.8	68.2	68.4	68.5	68.7	68.7	68.8	69.8
6000	51.0	58.4	61.0	64.4	67.0	67.3	68.1	68.4	68.7	69.1	69.3	69.4	69.6	69.6	69.7	70.7
5000	53.3	60.3	63.0	66.4	69.0	69.3	70.1	70.5	70.7	71.2	71.4	71.5	71.7	71.7	71.8	72.7
4500	53.1	61.3	63.9	67.3	70.1	70.6	71.2	71.6	71.8	72.2	72.4	72.5	72.7	72.7	72.8	73.8
4000	53.9	62.4	65.2	68.8	71.4	71.9	72.5	72.9	73.1	73.4	73.8	73.8	74.1	74.1	74.1	75.1
3500	54.2	63.0	65.8	69.4	72.0	72.5	73.2	73.6	73.8	74.3	74.5	74.6	74.8	74.8	74.9	75.9
3000	55.0	64.1	67.0	70.8	73.4	73.9	74.6	75.0	75.2	75.7	75.9	76.0	76.2	76.2	76.3	77.3
2500	56.1	65.3	68.3	72.3	75.1	75.6	76.3	76.7	76.9	77.4	77.6	77.7	77.9	77.9	78.0	79.0
2000	57.3	66.6	69.8	73.9	76.6	77.1	77.9	78.2	78.4	79.0	79.2	79.3	79.5	79.5	79.6	80.5
1800	57.5	67.0	70.2	74.4	77.0	77.6	78.3	78.7	78.9	79.4	79.6	79.7	79.9	79.9	80.0	81.0
1500	57.9	67.4	70.7	73.1	77.9	78.4	79.1	79.5	80.1	80.6	80.8	80.9	81.1	81.1	81.2	82.1
1200	58.4	68.0	71.3	73.8	78.6	79.3	80.0	80.7	80.9	81.5	81.7	81.8	82.0	82.0	82.1	83.0
1000	58.8	68.2	71.6	74.4	79.3	80.1	81.0	81.6	81.8	82.2	82.4	82.5	82.7	82.7	82.9	83.9
900	58.9	68.7	72.1	77.0	80.0	80.7	81.7	82.1	82.4	83.0	83.2	83.3	83.5	83.5	83.6	84.6
800	58.9	68.9	72.4	77.4	80.7	81.4	82.4	82.8	83.1	83.7	83.9	84.1	84.2	84.4	84.4	85.4
700	59.0	69.2	72.8	79.0	81.2	82.1	83.1	83.6	83.9	84.7	84.9	85.0	85.2	85.2	85.3	86.3
600	59.0	69.4	73.1	78.7	82.1	83.1	84.1	84.6	84.9	85.7	85.9	86.0	86.2	86.2	86.3	87.3
500	59.1	69.9	73.6	79.6	83.2	84.4	85.4	85.9	86.7	87.1	88.1	88.4	88.4	88.7	88.8	89.8
400	59.3	70.2	73.1	80.1	83.8	85.0	86.0	86.5	87.3	88.4	89.4	90.1	90.2	90.3	90.7	91.7
300	59.3	70.4	73.2	80.3	84.4	85.6	86.6	87.1	87.9	89.0	90.0	91.0	91.9	92.4	92.4	93.4
200	59.3	70.4	73.2	80.3	84.4	85.6	86.6	87.1	87.9	89.0	90.0	91.0	91.9	92.4	92.4	93.4
100	59.3	70.4	73.2	80.3	84.4	85.6	86.6	87.1	87.9	89.0	90.0	91.0	91.9	92.4	92.4	93.4
0	59.3	70.4	73.2	80.3	84.4	85.6	86.6	87.1	87.9	89.0	90.0	91.0	91.9	92.4	92.4	93.4

TOTAL NUMBER OF OBSERVATIONS 1350

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION 04767 BASE AFB WRIGHT-PATTERSON

YEARS 56-70

MONTH

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.0	50.8	52.1	53.8	54.4	54.4	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.8
IV 20000	40.0	55.3	56.9	58.7	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 18000	50.4	55.9	57.4	59.3	60.1	60.1	60.2	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 16000	50.7	56.1	57.7	59.6	60.4	60.4	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 14000	51.0	56.5	58.1	60.0	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.3
IV 12000	52.1	57.8	59.4	61.3	62.1	62.1	62.1	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.5
IV 10000	53.7	60.3	62.0	63.9	64.8	64.8	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.2
IV 9000	54.4	61.0	62.7	64.7	65.6	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 8000	57.0	63.9	65.7	67.8	68.7	68.7	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.1
IV 7000	57.8	64.7	66.7	68.7	69.8	69.8	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 6000	58.1	65.0	67.0	69.1	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5
IV 5000	58.8	66.1	68.1	70.3	71.5	71.5	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 4500	59.6	66.9	69.0	71.1	72.4	72.4	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	61.4	69.0	71.2	73.6	74.9	74.9	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.3
IV 3500	62.4	70.4	72.5	75.0	76.3	76.3	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.7
IV 3000	64.4	72.7	75.1	77.7	79.1	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.4
IV 2500	65.6	74.4	77.0	79.9	81.3	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.8
IV 2000	66.7	75.6	78.4	81.3	82.7	82.7	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.2
IV 1800	66.7	75.6	78.4	81.6	83.0	83.0	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.5
IV 1500	67.3	76.6	79.6	82.7	84.3	84.3	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1200	68.4	77.6	80.6	83.8	85.4	85.4	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	86.0
IV 1000	69.1	78.5	81.6	85.0	86.8	86.8	87.0	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.3
IV 900	69.2	78.7	81.9	85.3	87.2	87.2	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.7
IV 800	69.4	79.2	82.5	85.9	88.0	88.0	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.5
IV 700	69.7	79.6	83.1	86.6	88.8	88.8	89.1	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.4
IV 600	69.9	80.0	83.5	87.3	89.7	89.7	90.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.4
IV 500	70.0	80.2	83.8	88.1	90.7	90.7	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.6
IV 400	70.0	80.3	84.1	88.7	91.6	91.6	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.5
IV 300	70.0	80.6	84.1	89.0	92.2	92.2	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.1
IV 200	70.0	80.6	84.1	89.0	92.2	92.2	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.1
IV 100	70.0	80.6	84.1	89.0	92.2	92.2	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.1
IV 0	70.0	80.6	84.1	89.0	92.2	92.2	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.1

TOTAL NUMBER OF OBSERVATIONS 1330

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION PEASE AFB N H/PORTSMOUTH

56-70

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.0	47.3	50.7	51.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	51.0	55.7	57.1	57.4	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IVM 18000	52.5	56.6	58.0	58.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IVM 16000	53.7	56.7	58.1	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IVM 14000	53.3	57.4	58.8	59.3	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IVM 12000	54.4	58.6	60.0	60.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IVM 10000	57.0	61.9	63.3	64.1	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IVM 9000	57.8	62.8	63.9	64.7	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IVM 8000	59.4	64.7	66.3	67.0	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IVM 7000	60.6	66.0	67.6	68.3	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IVM 6000	61.1	66.5	68.1	69.0	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IVM 5000	63.0	68.0	70.6	71.6	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IVM 4500	64.7	70.4	72.0	73.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IVM 4000	67.4	73.3	75.0	75.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IVM 3500	69.1	75.3	76.9	77.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IVM 3000	71.8	78.4	80.1	81.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IVM 2500	73.9	81.1	82.9	84.2	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IVM 2000	74.8	82.4	84.3	85.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IVM 1800	75.0	82.6	84.5	86.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IVM 1500	76.2	84.0	86.1	87.6	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IVM 1200	76.8	84.7	87.1	88.7	90.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IVM 1000	77.3	85.4	88.0	89.8	91.2	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IVM 900	77.3	85.6	88.3	90.1	91.8	92.0	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IVM 800	77.3	85.6	88.3	90.3	92.3	92.7	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IVM 700	77.3	85.8	89.0	91.0	92.9	93.4	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IVM 600	77.4	85.9	89.1	91.1	93.1	93.5	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IVM 500	77.4	85.9	89.2	91.6	94.3	94.9	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IVM 400	77.4	85.9	89.2	91.8	94.5	95.4	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IVM 300	77.4	85.9	89.2	91.8	95.0	95.7	97.3	98.0	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9
IVM 200	77.4	85.9	89.2	91.8	95.0	95.7	97.3	98.4	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6
IVM 100	77.4	85.9	89.2	91.8	95.0	95.7	97.3	98.4	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6
IVM 0	77.4	85.9	89.2	91.8	95.0	95.7	97.3	98.4	98.7	99.3	99.6	99.6	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1150

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04263 REASE APR N WYBURNOUTH

58-70

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ 5/8	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.6	53.6	54.6	55.9	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 20000	54.0	58.7	59.9	61.4	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 18000	54.2	59.0	60.1	61.6	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 16000	54.4	59.2	60.4	61.9	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 14000	54.7	59.9	61.3	62.8	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 12000	55.9	61.2	62.6	64.1	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 10000	58.7	64.4	65.9	67.6	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 9000	59.6	65.6	67.1	68.7	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 8000	61.6	67.9	69.4	71.3	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 7000	62.4	68.9	70.5	72.4	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	63.6	70.3	72.0	73.9	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	64.4	73.3	75.0	76.9	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4500	67.4	74.3	76.1	78.0	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 4000	70.4	77.6	79.4	81.6	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	71.3	79.0	81.0	83.0	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000	72.9	80.7	82.7	84.9	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	73.8	81.6	83.8	86.0	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 2000	74.7	83.0	85.3	87.8	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1800	75.0	83.3	85.6	88.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	75.3	84.0	86.4	89.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1200	75.8	84.6	87.3	90.1	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	76.0	85.0	87.9	90.8	92.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 900	76.2	85.2	88.1	91.2	92.4	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 800	76.2	85.2	88.1	91.4	92.7	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 700	76.3	85.3	88.2	91.5	93.0	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	76.3	85.3	88.4	91.7	93.3	94.2	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500	76.3	85.5	88.6	92.1	93.9	94.8	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 400	76.3	85.5	88.8	92.1	94.4	95.2	95.8	96.5	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300	76.3	85.5	88.8	92.1	94.8	95.7	96.0	96.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	76.3	85.5	88.8	92.1	94.9	95.8	96.2	97.2	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	76.3	85.5	88.8	92.1	94.9	95.8	96.2	97.2	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	76.3	85.5	88.8	92.1	94.9	95.8	96.2	97.2	98.1	98.3	98.3	98.3	98.3	98.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1150

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04743 PLASE AFB N W/PORSMOUTH

YEAR 58-70

MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1400-1800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	49.3	54.2	55.9	57.2	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 18000 16000	53.7	59.5	61.2	62.5	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000 12000	54.6	60.7	62.4	64.0	64.8	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000 9000	57.4	63.9	65.9	67.8	68.7	68.8	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 8000 7000	60.2	67.9	70.1	72.0	73.0	73.1	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 6000 5000	61.2	69.1	71.4	73.5	74.6	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4500 4000	64.1	73.3	75.9	78.0	79.3	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500 3000	64.7	74.3	77.1	79.2	80.6	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2500 2000	67.6	78.0	81.2	83.3	85.1	85.2	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800 1500	68.4	79.0	82.3	84.5	86.4	86.4	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1200 1000	69.0	80.1	83.4	85.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 900 800	69.2	80.6	84.1	87.0	89.1	89.2	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 700 600	69.2	80.6	84.2	87.2	89.6	89.9	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 500 400	69.2	80.8	84.8	88.4	91.8	92.3	93.4	93.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9
IV 300 200	69.3	81.0	85.0	89.2	93.3	94.2	95.6	97.2	97.2	97.3	97.7	97.8	97.9	97.9	97.9	97.9
IV 100 0	69.3	81.0	85.0	89.2	93.3	94.4	95.8	97.6	97.8	98.2	98.7	98.7	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 1320

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2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: 04743 PEASE AFB N H/PURTSMOUTH YEARS: 36-70 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FILE NO: 2304

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.8	34.2	30.4	37.7	58.9	59.3	59.4	59.5	59.5	59.6	59.6	59.6	59.7	59.7	59.9	60.0
≥ 20000	49.7	37.7	30.0	31.6	62.9	63.3	63.4	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.8	64.0
IV 18000	49.7	37.7	30.0	31.6	62.9	63.3	63.4	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.8	64.0
IV 16000	49.7	37.7	30.0	31.6	62.9	63.3	63.4	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.8	64.0
IV 14000	50.8	39.1	31.4	33.1	64.4	64.8	65.0	65.0	65.0	65.1	65.2	65.2	65.3	65.3	65.5	65.6
IV 12000	51.6	40.0	32.4	34.1	65.3	65.8	66.0	66.1	66.1	66.1	66.2	66.3	66.3	66.3	66.5	66.6
IV 10000	52.9	43.0	35.6	37.6	68.9	69.3	69.5	69.6	69.6	69.6	69.7	69.7	69.8	69.8	70.0	70.1
IV 9000	54.3	43.6	36.1	38.1	69.4	69.9	70.0	70.1	70.1	70.1	70.2	70.2	70.3	70.3	70.5	70.6
IV 8000	56.4	45.8	38.6	40.7	72.1	72.5	72.7	72.8	72.9	73.0	73.0	73.0	73.1	73.1	73.3	73.4
IV 7000	57.3	47.0	40.1	42.2	73.8	74.1	74.3	74.4	74.4	74.5	74.6	74.6	74.7	74.7	74.9	75.0
IV 6000	57.9	47.9	41.1	43.2	74.7	75.1	75.3	75.4	75.5	75.6	75.6	75.6	75.7	75.7	75.9	76.0
IV 5000	58.8	48.3	42.6	44.7	76.4	76.8	77.0	77.1	77.2	77.3	77.3	77.3	77.4	77.4	77.6	77.7
IV 4500	59.7	50.5	43.9	46.1	77.9	78.3	78.5	78.6	78.7	78.7	78.8	78.8	78.9	78.9	79.1	79.2
IV 4000	60.8	51.4	45.1	47.5	79.4	79.8	80.1	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.7	80.7
IV 3500	60.8	51.4	45.1	47.5	79.4	79.8	80.1	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.7	80.7
IV 3000	61.6	53.0	47.1	49.4	81.6	82.1	82.3	82.4	82.4	82.5	82.6	82.6	82.7	82.7	82.9	83.0
IV 2500	62.2	54.0	48.3	51.1	83.2	83.7	84.0	84.0	84.1	84.1	84.2	84.2	84.3	84.3	84.5	84.6
IV 2000	62.7	54.7	49.3	52.1	84.2	84.7	85.0	85.0	85.1	85.2	85.2	85.3	85.3	85.3	85.6	85.6
IV 1800	62.8	55.0	49.5	52.4	84.6	85.1	85.4	85.4	85.5	85.6	85.7	85.7	85.8	85.8	86.0	86.1
IV 1500	63.1	55.4	50.1	53.1	85.1	85.6	86.0	86.0	86.1	86.2	86.3	86.3	86.4	86.4	86.7	86.7
IV 1200	63.3	55.9	50.6	53.7	86.1	86.7	87.0	87.0	87.1	87.2	87.3	87.3	87.3	87.3	87.6	87.6
IV 1000	63.3	56.1	50.8	54.2	86.7	87.3	87.6	87.6	87.7	87.8	87.9	87.9	87.9	87.9	88.1	88.2
IV 900	63.6	56.3	51.0	54.6	87.2	87.9	88.6	88.6	88.7	88.8	88.9	88.9	89.0	89.0	89.3	89.3
IV 800	63.6	56.3	51.0	54.6	87.2	87.9	88.6	88.6	88.7	88.8	88.9	88.9	89.0	89.0	89.3	89.3
IV 700	63.6	56.3	51.0	54.6	87.2	87.9	88.6	88.6	88.7	88.8	88.9	88.9	89.0	89.0	89.3	89.3
IV 600	63.6	56.3	51.0	54.6	87.2	87.9	88.6	88.6	88.7	88.8	88.9	88.9	89.0	89.0	89.3	89.3
IV 500	63.7	57.1	52.0	56.2	89.3	90.4	91.0	91.0	91.1	91.2	91.3	91.3	91.4	91.4	91.7	91.7
IV 400	63.7	57.1	52.0	56.2	89.3	90.4	91.0	91.0	91.1	91.2	91.3	91.3	91.4	91.4	91.7	91.7
IV 300	63.7	57.2	52.0	57.0	91.3	92.0	93.0	93.0	93.1	93.2	93.3	93.3	93.4	93.4	93.7	93.7
IV 200	63.7	57.2	52.0	57.0	91.3	92.0	93.0	93.0	93.1	93.2	93.3	93.3	93.4	93.4	93.7	93.7
IV 100	63.7	57.2	52.0	57.0	91.3	92.0	93.0	93.0	93.1	93.2	93.3	93.3	93.4	93.4	93.7	93.7
IV 0	63.7	57.2	52.0	57.0	91.3	92.0	93.0	93.0	93.1	93.2	93.3	93.3	93.4	93.4	93.7	93.7

TOTAL NUMBER OF OBSERVATIONS: 1330

C
2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION 04763 BEASE AFB N H/PORTSMOUTH STATION NAME 36-70 YEARS 1951 MONTH 01
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 0000-0000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.0	33.2	34.6	36.0	37.8	38.5	39.0	39.1	39.1	39.5	39.6	39.6	39.7	39.8	60.0	61.1
≥ 20000	47.3	54.8	56.6	58.0	59.8	60.4	61.1	61.3	61.3	61.4	61.8	61.8	61.8	61.8	62.1	63.2
IV 18000	47.5	55.1	56.7	58.1	60.0	60.7	61.3	61.4	61.4	61.8	61.9	61.9	62.0	62.1	62.3	63.4
IV 16000	47.7	55.3	56.9	58.4	60.2	60.8	61.3	61.4	61.4	62.0	62.2	62.2	62.2	62.3	62.5	63.6
IV 14000	48.0	55.6	57.3	58.9	60.8	61.9	62.1	62.2	62.2	62.6	62.7	62.7	62.8	62.9	63.1	64.2
IV 12000	48.0	56.7	58.4	60.1	61.9	62.7	62.3	62.4	62.4	62.7	62.8	62.8	62.9	64.0	64.2	65.3
IV 10000	50.4	58.4	60.1	61.9	63.8	64.5	63.1	63.2	65.2	65.6	65.7	65.7	65.8	65.9	66.1	67.2
IV 9000	51.4	59.4	61.3	63.0	64.8	65.7	64.3	64.4	66.4	66.7	66.8	66.8	67.0	67.0	67.2	68.3
IV 8000	54.0	62.4	64.4	66.1	68.1	68.8	69.4	69.5	69.5	69.9	70.0	70.0	70.1	70.2	70.4	71.5
IV 7000	55.3	64.3	66.3	68.3	70.4	71.1	71.7	71.8	71.8	72.3	72.3	72.3	72.4	72.5	72.7	73.8
IV 6000	57.0	66.2	68.3	70.3	72.6	73.4	74.0	74.1	74.1	74.3	74.6	74.6	74.7	74.8	75.0	76.1
IV 5000	58.8	68.3	70.4	72.4	74.8	75.6	76.3	76.4	76.4	76.6	76.8	77.0	77.1	77.2	77.3	78.4
IV 4500	59.3	68.8	71.4	73.4	75.7	76.5	77.1	77.3	77.3	77.6	77.8	77.8	77.8	77.9	78.1	79.2
IV 4000	59.8	69.6	72.4	74.4	77.0	77.8	78.4	78.6	78.6	78.8	79.1	79.1	79.2	79.2	79.4	80.5
IV 3500	60.8	70.8	73.6	76.1	78.6	79.2	79.8	80.0	80.0	80.4	80.5	80.5	80.6	80.6	80.9	81.9
IV 3000	61.2	71.3	74.3	76.8	79.3	79.7	80.3	80.4	80.4	80.8	81.1	81.1	81.1	81.2	81.4	82.5
IV 2500	61.7	72.2	75.1	77.6	79.9	80.9	81.5	81.7	81.7	82.1	82.2	82.2	82.3	82.4	82.6	83.7
IV 2000	62.4	73.1	76.1	78.6	81.0	81.9	82.4	82.8	82.8	83.2	83.3	83.3	83.4	83.4	83.7	84.7
IV 1800	62.7	73.5	76.6	79.1	81.5	82.4	82.9	83.3	83.3	83.7	83.8	83.8	83.9	83.9	84.2	85.2
IV 1500	63.2	74.3	77.5	80.1	82.4	83.3	83.7	84.1	84.1	84.5	84.6	84.6	84.7	84.7	85.0	86.1
IV 1200	63.4	74.8	77.8	80.6	83.2	84.1	84.5	84.9	84.9	85.3	85.4	85.4	85.5	85.5	85.9	87.0
IV 1000	63.8	75.2	78.4	81.3	83.7	84.8	85.2	85.6	85.6	86.0	86.1	86.1	86.2	86.2	86.7	87.7
IV 900	63.9	75.3	78.6	81.3	84.1	85.0	85.4	85.8	85.8	86.2	86.3	86.3	86.4	86.4	86.9	88.0
IV 800	63.9	75.7	78.6	81.3	84.1	85.0	85.4	85.8	85.8	86.2	86.3	86.3	86.4	86.4	86.9	88.0
IV 700	63.9	75.7	78.6	81.3	84.1	85.0	85.4	85.8	85.8	86.2	86.3	86.3	86.4	86.4	86.9	88.0
IV 600	63.9	75.7	78.6	81.3	84.1	85.0	85.4	85.8	85.8	86.2	86.3	86.3	86.4	86.4	86.9	88.0
IV 500	63.6	75.8	80.1	83.9	87.3	88.3	89.3	89.7	89.8	90.2	90.3	90.3	90.4	90.5	90.7	91.8
IV 400	63.6	75.8	80.1	84.1	87.8	88.8	89.8	90.2	90.3	90.7	90.8	90.8	90.9	91.0	91.2	92.3
IV 300	63.6	75.8	80.2	84.2	88.0	89.0	91.0	92.0	92.1	92.5	92.7	92.7	92.8	92.9	93.1	94.2
IV 200	63.6	75.8	80.2	84.2	88.0	89.0	91.0	92.0	92.1	92.5	92.7	92.7	92.8	92.9	93.1	94.2
IV 100	63.6	75.8	80.2	84.2	88.0	89.0	91.0	92.0	92.1	92.5	92.7	92.7	92.8	92.9	93.1	94.2
IV 0	63.6	75.8	80.2	84.2	88.0	89.0	91.0	92.0	92.1	92.5	92.7	92.7	92.8	92.9	93.1	94.2

TOTAL NUMBER OF OBSERVATIONS 1323

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04242 BASE AFB N W/BURBANK

56-70

YEARS

1957

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.2	32.0	34.9	36.8	39.6	39.9	60.4	60.9	60.9	61.0	61.0	61.0	61.1	61.4	61.7	62.9
≥ 20000	46.1	32.9	35.9	37.8	40.7	41.0	61.3	61.8	61.8	62.1	62.1	62.1	62.2	62.5	62.8	64.0
IVV 18000	46.2	33.0	36.0	37.8	40.8	41.1	61.6	62.0	62.0	62.2	62.2	62.2	62.3	62.6	62.9	64.1
IVV 16000	46.4	33.2	36.2	38.1	41.0	41.3	61.8	62.2	62.2	62.4	62.4	62.4	62.5	62.8	63.1	64.3
IVV 14000	46.6	33.3	36.5	38.6	41.3	41.6	62.2	62.7	62.7	62.9	62.9	62.9	63.0	63.3	63.6	64.8
IVV 12000	47.4	34.2	37.3	39.4	42.4	42.7	63.2	63.6	63.6	63.7	63.7	63.7	63.9	64.2	64.4	65.7
IVV 10000	48.7	35.9	39.1	41.1	44.1	44.4	64.9	65.4	65.4	65.5	65.5	65.5	65.7	65.9	66.2	67.3
IVV 9000	49.2	36.4	39.6	41.7	44.7	45.0	65.3	65.8	65.8	66.1	66.1	66.1	66.3	66.6	66.8	68.0
IVV 8000	50.5	38.1	41.4	43.5	46.5	46.8	67.3	68.0	68.0	68.2	68.2	68.2	68.3	68.6	68.9	70.1
IVV 7000	51.6	39.7	43.4	45.4	48.6	48.9	68.7	70.1	70.1	70.4	70.4	70.4	70.5	70.8	71.1	72.3
IVV 6000	53.3	41.6	45.3	47.6	50.7	51.1	71.9	72.3	72.3	72.6	72.6	72.6	72.8	73.0	73.3	74.6
IVV 5000	54.8	43.8	47.7	50.2	53.3	53.7	74.5	74.8	74.8	75.2	75.2	75.2	75.3	75.6	75.9	77.1
IVV 4500	55.6	44.7	48.7	51.3	54.3	54.8	75.6	76.0	76.0	76.3	76.3	76.3	76.4	76.7	77.0	78.2
IVV 4000	56.5	45.8	49.8	52.4	55.5	55.9	76.7	77.1	77.1	77.4	77.4	77.4	77.6	77.8	78.1	79.4
IVV 3500	57.6	47.2	51.2	54.1	57.1	57.6	78.5	78.8	78.8	79.1	79.1	79.1	79.2	79.5	79.8	81.0
IVV 3000	58.3	48.2	52.3	55.2	58.3	58.9	79.5	80.1	80.1	80.4	80.4	80.4	80.5	80.8	81.1	82.3
IVV 2500	58.6	48.6	52.6	55.6	58.7	59.3	80.1	80.3	80.3	80.9	80.9	80.9	81.0	81.3	81.6	82.8
IVV 2000	59.1	49.4	53.5	56.4	59.6	60.2	81.0	81.4	81.4	81.8	81.8	81.8	81.9	82.3	82.5	83.7
IVV 1800	59.7	50.3	54.4	57.3	60.5	61.1	81.8	82.2	82.2	82.7	82.7	82.7	82.8	83.2	83.4	84.6
IVV 1500	59.8	50.8	54.7	57.8	60.9	61.5	82.2	82.7	82.7	83.0	83.0	83.0	83.2	83.4	83.7	84.9
IVV 1200	59.8	50.8	54.7	57.8	60.9	61.5	82.2	82.7	82.7	83.0	83.0	83.0	83.2	83.4	83.7	84.9
IVV 1000	60.1	51.1	55.0	58.1	61.3	61.9	82.7	83.1	83.1	83.4	83.4	83.4	83.6	83.9	84.2	85.4
IVV 900	60.3	51.3	55.2	58.3	61.5	62.1	83.1	83.5	83.5	83.8	83.8	83.8	84.0	84.3	84.6	85.8
IVV 800	60.3	51.3	55.2	58.3	61.5	62.1	83.1	83.5	83.5	83.8	83.8	83.8	84.0	84.3	84.6	85.8
IVV 700	60.3	51.3	55.2	58.3	61.5	62.1	83.1	83.5	83.5	83.8	83.8	83.8	84.0	84.3	84.6	85.8
IVV 600	60.3	51.3	55.2	58.3	61.5	62.1	83.1	83.5	83.5	83.8	83.8	83.8	84.0	84.3	84.6	85.8
IVV 500	60.3	51.3	55.2	58.3	61.5	62.1	83.1	83.5	83.5	83.8	83.8	83.8	84.0	84.3	84.6	85.8
IVV 400	60.3	51.3	55.2	58.3	61.5	62.1	83.1	83.5	83.5	83.8	83.8	83.8	84.0	84.3	84.6	85.8
IVV 300	60.3	51.3	55.2	58.3	61.5	62.1	83.1	83.5	83.5	83.8	83.8	83.8	84.0	84.3	84.6	85.8
IVV 200	60.3	51.3	55.2	58.3	61.5	62.1	83.1	83.5	83.5	83.8	83.8	83.8	84.0	84.3	84.6	85.8
IVV 100	60.3	51.3	55.2	58.3	61.5	62.1	83.1	83.5	83.5	83.8	83.8	83.8	84.0	84.3	84.6	85.8
IVV 0	60.3	51.3	55.2	58.3	61.5	62.1	83.1	83.5	83.5	83.8	83.8	83.8	84.0	84.3	84.6	85.8

TOTAL NUMBER OF OBSERVATIONS 1333

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 REASE AFB N H/PORTSMOUTH

56-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0900

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.4	43.9	48.2	50.1	52.4	52.9	53.3	53.9	54.0	54.7	54.7	54.7	54.9	54.9	55.1	55.9
≥ 20000	46.3	49.3	51.8	54.0	56.5	57.1	57.7	58.3	58.4	59.1	59.2	59.3	59.5	59.5	59.7	60.6
IV/V 18000	46.9	49.3	52.0	54.2	56.7	57.3	57.9	58.5	58.6	59.3	59.4	59.4	59.7	59.7	59.9	60.9
IV/V 16000	46.7	49.8	52.2	54.5	57.0	57.6	58.2	58.8	58.9	59.6	59.6	59.7	60.0	60.0	60.2	61.1
IV/V 14000	47.4	50.8	53.2	55.6	58.1	58.6	59.3	59.9	59.9	60.6	60.6	60.9	61.1	61.1	61.4	62.3
IV/V 12000	48.8	52.0	54.4	57.0	59.6	60.1	60.8	61.4	61.4	62.2	62.2	62.4	62.7	62.7	63.0	63.8
IV/V 10000	50.9	54.7	57.4	59.9	62.8	63.4	64.0	64.6	64.7	65.4	65.6	65.7	66.1	66.1	66.3	67.2
IV/V 9000	51.3	55.4	58.1	60.6	63.6	64.2	64.8	65.4	65.5	66.2	66.3	66.5	67.0	67.0	67.2	68.2
IV/V 8000	53.4	57.6	60.3	63.0	65.9	66.5	67.2	67.8	67.9	68.6	68.8	68.9	69.3	69.3	69.5	70.7
IV/V 7000	54.3	58.8	61.9	64.4	67.4	68.0	68.7	69.3	69.3	70.0	70.2	70.3	70.8	70.8	71.0	72.1
IV/V 6000	55.1	59.7	62.9	65.6	68.5	69.1	69.7	70.4	70.5	71.3	71.5	71.5	72.0	72.0	72.2	73.3
IV/V 5000	56.3	61.4	64.9	67.7	70.8	71.4	72.0	72.7	72.8	73.5	73.8	73.8	74.3	74.3	74.5	75.6
IV/V 4500	57.2	62.4	65.9	68.7	71.8	72.5	73.1	73.8	73.8	74.6	74.8	74.9	75.3	75.3	75.6	76.7
IV/V 4000	57.5	62.8	66.3	69.1	72.4	73.0	73.7	74.3	74.4	75.2	75.4	75.5	75.9	75.9	76.1	77.2
IV/V 3500	58.6	64.1	67.7	70.8	73.8	74.5	75.1	75.8	75.8	76.6	76.8	76.9	77.3	77.3	77.6	78.7
IV/V 3000	59.8	65.4	69.2	72.3	75.5	76.1	76.8	77.5	77.6	78.4	78.6	78.7	79.1	79.1	79.3	80.4
IV/V 2500	60.1	65.9	69.7	72.8	76.1	76.7	77.3	78.2	78.3	79.1	79.3	79.4	79.8	79.8	80.0	81.1
IV/V 2000	60.6	66.5	70.3	73.3	76.7	77.3	78.0	78.9	79.0	80.3	80.5	80.6	81.0	81.0	81.2	82.4
IV/V 1800	61.4	67.2	71.3	74.6	78.0	78.6	79.4	80.2	80.3	81.1	81.3	81.4	81.8	81.8	82.0	83.2
IV/V 1500	62.0	68.2	72.3	75.7	79.1	79.8	80.6	81.4	81.5	82.3	82.5	82.6	83.0	83.0	83.2	84.4
IV/V 1200	62.2	68.4	72.6	76.1	79.7	80.4	81.1	82.0	82.1	82.9	83.1	83.2	83.6	83.6	83.8	85.0
IV/V 1000	62.4	68.8	72.9	76.5	80.3	81.0	81.7	82.6	82.7	83.5	83.7	83.8	84.2	84.2	84.4	85.6
IV/V 900	62.5	68.7	73.3	77.3	80.9	81.6	82.4	83.4	83.4	84.2	84.4	84.5	84.9	84.9	85.2	86.4
IV/V 800	62.6	68.9	73.5	77.4	81.1	81.7	82.5	83.6	83.7	84.5	84.7	84.8	85.2	85.2	85.4	86.7
IV/V 700	62.7	69.3	73.9	78.0	81.9	82.6	83.4	84.6	84.7	85.5	85.7	85.8	86.2	86.2	86.4	87.7
IV/V 600	62.7	69.3	74.1	78.1	82.0	82.7	83.5	84.7	84.8	85.6	85.8	86.0	86.4	86.4	86.6	87.9
IV/V 500	62.7	69.3	74.3	78.2	82.1	82.8	83.6	84.8	84.9	85.7	85.9	86.1	86.5	86.5	86.7	88.0
IV/V 400	62.7	69.3	74.5	78.3	82.2	82.9	83.7	84.9	85.0	85.8	86.0	86.2	86.6	86.6	86.8	88.1
IV/V 300	62.8	69.6	74.7	78.4	82.3	83.0	83.8	85.0	85.1	85.9	86.1	86.3	86.7	86.7	86.9	88.2
IV/V 200	62.8	69.6	74.9	78.5	82.4	83.1	83.9	85.1	85.2	86.0	86.2	86.4	86.8	86.8	87.0	88.3
IV/V 100	62.8	69.6	75.0	78.6	82.5	83.2	84.0	85.2	85.3	86.1	86.3	86.5	86.9	86.9	87.1	88.4
IV/V 0	62.8	69.6	75.0	78.6	82.5	83.2	84.0	85.2	85.3	86.1	86.3	86.5	86.9	86.9	87.1	88.4

TOTAL NUMBER OF OBSERVATIONS 1158

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04762 STATION BEASE AFB N W/PURTSMOUTH

36-70 YEARS

OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6399-1106

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	46.3	51.0	52.9	54.2	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	55.0	55.1	55.1
≥ 20000	50.3	55.5	57.4	59.0	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
18000	50.5	55.5	57.8	59.3	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.3	60.4	60.4
16000	51.0	56.5	58.6	60.0	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.0	61.1	61.1
14000	52.0	57.8	60.0	61.4	61.9	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5
12000	53.8	59.8	62.3	63.6	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.6	64.7	64.7
10000	56.1	62.5	65.1	66.7	67.2	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.9	68.0
9000	56.2	62.7	65.2	66.8	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.9	68.0
8000	57.6	64.7	67.4	69.2	69.7	69.9	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.5	70.5	70.5
7000	58.7	66.1	68.7	70.5	71.1	71.3	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9
6000	59.5	67.2	69.8	71.8	72.4	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.2	73.3	73.3
5000	60.4	68.3	70.8	72.8	73.5	73.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.3	74.3	74.3
4500	60.9	68.7	71.4	73.5	74.1	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.9	75.0	75.0
4000	61.4	69.3	72.0	74.1	74.8	75.0	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.6	75.6	75.6
3500	62.5	70.3	73.3	75.3	76.1	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.9	77.1
3000	64.7	73.0	76.8	77.8	78.7	78.9	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.6	79.7	79.7
2500	66.2	74.8	77.7	79.8	80.6	80.8	81.0	81.2	81.2	81.3	81.3	81.3	81.3	81.4	81.4	81.6	81.6
2000	67.0	76.3	79.3	81.5	82.3	82.5	82.7	83.1	83.1	83.2	83.2	83.2	83.2	83.3	83.4	83.4	83.4
1800	67.5	76.9	79.9	82.4	83.2	83.4	83.7	83.9	83.9	84.1	84.1	84.1	84.1	84.2	84.2	84.4	84.4
1500	68.7	78.2	81.3	83.9	84.7	85.0	85.1	85.4	85.4	85.7	85.7	85.7	85.7	85.8	85.9	86.0	86.0
1200	69.0	78.7	81.8	84.4	85.3	85.6	85.9	86.3	86.3	86.5	86.5	86.5	86.5	86.6	86.7	86.7	86.7
1000	69.7	79.4	82.4	85.4	86.4	86.7	87.0	87.5	87.5	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9
900	69.7	79.6	82.8	85.7	86.7	87.1	87.4	87.9	87.9	88.0	88.0	88.0	88.0	88.1	88.2	88.3	88.3
800	69.7	80.0	83.3	86.6	87.6	88.0	88.3	88.8	88.8	89.2	89.2	89.2	89.2	89.3	89.3	89.7	89.7
700	69.9	80.4	83.9	87.2	88.2	88.6	89.0	89.5	89.5	90.0	90.0	90.0	90.0	90.6	90.7	90.8	90.8
600	70.0	80.8	84.6	87.9	88.9	89.3	89.7	90.3	90.3	90.8	90.8	90.8	90.8	91.3	91.3	91.8	91.8
500	70.0	80.8	84.6	87.9	88.9	89.3	89.7	90.3	90.3	90.8	90.8	90.8	90.8	91.3	91.3	91.8	91.8
400	70.0	80.8	84.6	87.9	88.9	89.3	89.7	90.3	90.3	90.8	90.8	90.8	90.8	91.3	91.3	91.8	91.8
300	70.0	80.8	84.6	87.9	88.9	89.3	89.7	90.3	90.3	90.8	90.8	90.8	90.8	91.3	91.3	91.8	91.8
200	70.0	80.8	84.6	87.9	88.9	89.3	89.7	90.3	90.3	90.8	90.8	90.8	90.8	91.3	91.3	91.8	91.8
100	70.0	80.8	84.6	87.9	88.9	89.3	89.7	90.3	90.3	90.8	90.8	90.8	90.8	91.3	91.3	91.8	91.8
0	70.0	80.8	84.6	87.9	88.9	89.3	89.7	90.3	90.3	90.8	90.8	90.8	90.8	91.3	91.3	91.8	91.8

TOTAL NUMBER OF OBSERVATIONS 1383

C
2
C

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 BASE: AFB N W/ROSLINDALE 56-70 YEARS LGT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.4	32.9	34.1	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 20000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 18000	55.2	39.0	60.2	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 16000	55.5	38.7	60.5	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 14000	55.9	39.9	61.0	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 12000	57.2	41.3	62.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 10000	58.9	43.6	64.7	65.6	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 9000	58.8	44.8	64.4	64.4	64.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 8000	61.2	46.1	67.2	68.4	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 7000	62.5	47.8	68.1	70.2	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 6000	63.2	48.9	70.2	71.4	71.7	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 5000	65.0	50.9	72.4	73.5	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4500	65.8	51.9	73.3	74.5	74.8	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4000	67.4	53.8	75.3	76.4	76.9	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500	69.0	55.7	77.2	78.3	78.8	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3000	71.1	57.9	79.6	80.4	81.1	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2500	73.2	60.2	81.9	83.1	83.6	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	74.0	61.4	83.3	84.4	85.2	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 1800	74.9	62.1	83.7	85.0	85.6	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1500	75.8	63.7	84.4	85.8	87.3	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1200	75.9	63.9	84.7	87.4	88.6	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1000	76.4	65.0	85.4	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
IV 900	76.8	65.4	87.2	89.0	90.4	90.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 800	77.0	65.8	88.5	89.5	92.3	92.3	92.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 700	77.0	66.8	88.9	91.0	93.0	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 600	77.1	67.1	88.2	91.3	93.3	93.3	93.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 500	77.2	67.2	89.6	92.2	94.9	95.6	95.6	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	77.2	67.4	89.8	92.3	95.4	96.4	97.4	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	77.2	67.4	89.8	92.3	95.4	96.4	97.4	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IV 200	77.2	67.4	89.8	92.3	95.4	96.4	97.4	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IV 100	77.2	67.4	89.8	92.3	95.4	96.4	97.4	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	77.2	67.4	89.8	92.3	95.4	96.4	97.4	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 1224

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION BASE AFB N W/BIIRTSMOUTH STATION NAME

56-70 YEARS

ECY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.4	53.2	54.0	55.1	55.6	55.7	55.7	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	55.6	59.1	60.0	61.1	61.6	61.8	61.9	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IVV 18000	55.8	59.4	60.2	61.3	61.8	62.0	62.1	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IVV 16000	56.0	59.5	60.4	61.4	61.9	62.2	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IVV 14000	56.8	60.4	61.2	62.3	62.9	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IVV 12000	58.6	62.4	63.2	64.3	64.9	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IVV 10000	60.5	64.7	65.6	66.7	67.3	67.5	67.6	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IVV 9000	61.2	65.3	66.2	67.3	68.3	68.5	68.6	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IVV 8000	62.8	67.6	68.7	69.8	70.5	70.7	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IVV 7000	64.4	69.3	70.4	71.5	72.7	73.0	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IVV 6000	65.9	71.2	72.3	73.6	74.5	74.8	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IVV 5000	67.3	73.3	74.7	76.1	77.0	77.3	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IVV 4500	68.8	74.8	76.2	77.7	78.6	78.9	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IVV 4000	70.2	77.1	78.5	80.0	81.0	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IVV 3500	71.8	78.4	79.8	81.4	82.4	82.7	82.9	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IVV 3000	73.3	80.1	81.4	83.4	84.4	84.7	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IVV 2500	74.8	81.3	82.7	85.1	86.2	86.5	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IVV 2000	75.6	82.4	83.8	86.0	87.1	87.3	87.7	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IVV 1800	75.8	82.8	84.4	86.4	87.5	87.8	88.2	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IVV 1500	77.1	84.2	85.8	87.7	88.8	89.1	89.4	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IVV 1200	77.1	84.3	86.0	88.2	89.4	89.8	90.1	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IVV 1000	77.6	85.1	87.0	89.3	90.7	91.2	91.5	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IVV 900	77.6	85.3	87.2	89.6	91.0	91.5	91.8	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IVV 800	77.6	85.3	87.3	89.8	91.3	91.8	92.1	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IVV 700	77.6	85.3	87.4	90.0	91.5	92.0	92.3	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IVV 600	77.6	85.3	87.5	90.1	91.6	92.1	92.4	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IVV 500	77.6	85.3	87.7	91.0	92.5	93.0	93.3	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IVV 400	77.6	85.3	87.7	91.0	92.5	93.0	93.3	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IVV 300	77.6	85.3	87.7	91.0	92.5	93.0	93.3	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IVV 200	77.6	85.3	87.7	91.0	92.5	93.0	93.3	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IVV 100	77.6	85.3	87.7	91.0	92.5	93.0	93.3	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IVV 0	77.6	85.3	87.7	91.0	92.5	93.0	93.3	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9

TOTAL NUMBER OF OBSERVATIONS 1188

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2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 BASE AFB W WORTHENBOTH 56-70 YEARS CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1959-1966

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.9	55.2	56.1	57.6	59.0	59.1	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 20000	53.0	59.1	60.4	61.8	63.4	63.5	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 18000	53.0	59.1	60.4	61.8	63.4	63.5	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 16000	53.1	59.4	60.6	62.0	63.7	63.7	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 14000	53.7	60.1	61.4	62.8	64.6	64.7	65.0	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 12000	55.2	61.8	63.0	64.4	66.3	66.4	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000	57.5	64.3	65.7	67.2	69.2	69.2	69.6	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	58.1	65.0	66.5	68.0	69.8	70.0	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 8000	59.2	66.2	67.7	69.4	71.3	71.4	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 7000	60.8	67.7	69.2	71.0	73.1	73.3	73.6	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	62.3	70.0	71.9	73.8	76.0	76.1	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 5000	64.3	73.0	74.9	76.8	79.1	79.3	79.6	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4500	65.6	74.3	76.3	78.3	80.8	81.0	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4000	65.8	75.0	77.0	79.0	81.5	81.7	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3500	66.9	75.6	77.6	79.6	82.2	82.4	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 3000	67.8	77.0	79.1	81.1	83.7	83.9	84.2	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2500	69.4	79.0	81.2	83.4	85.9	86.2	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2000	70.3	80.2	82.5	84.8	87.3	87.5	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1800	70.8	80.9	83.2	85.5	88.0	88.2	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500	71.4	81.6	83.9	86.2	88.7	88.9	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1200	71.4	81.6	83.9	86.2	88.7	88.9	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1000	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 900	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 800	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 700	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 600	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 500	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 400	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 300	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 200	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 100	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
0	71.8	82.0	84.3	86.6	89.1	89.3	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2

TOTAL NUMBER OF OBSERVATIONS 1293

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 STATION BASE AFB N W/PARTSMOUTH

56-70 YEARS

LCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2200

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	47.6	53.3	55.6	56.6	57.8	57.9	58.4	58.6	58.6	58.8	58.8	58.8	58.8	58.9	58.9	59.0	59.4
≥ 20000	50.3	56.8	59.2	60.3	61.6	61.7	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.7	62.7	62.8	63.2
18000	50.5	57.0	59.4	60.5	61.8	61.9	62.4	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9	63.0	63.4
16000	50.5	57.0	59.4	60.5	61.8	61.9	62.4	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9	63.0	63.4
14000	51.2	57.6	60.1	61.1	62.4	62.6	63.0	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5	63.7	64.1
12000	52.3	58.8	61.4	62.5	63.8	64.0	64.4	64.7	64.7	64.8	64.8	64.8	64.8	64.9	64.9	65.1	65.5
10000	53.9	60.8	63.2	64.6	65.9	66.2	66.6	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.2	67.7
9000	54.4	61.3	63.7	65.1	66.5	66.7	67.2	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.8	68.2
8000	56.8	63.9	66.3	67.9	69.3	69.5	70.0	70.3	70.3	70.4	70.4	70.4	70.4	70.5	70.5	70.6	71.0
7000	58.7	66.1	68.0	70.3	72.1	72.3	72.8	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.5	73.9
6000	60.9	69.0	72.0	73.7	75.3	75.6	76.0	76.3	76.3	76.5	76.5	76.5	76.5	76.6	76.6	76.7	77.2
5000	62.6	71.3	74.5	76.3	78.1	78.3	78.7	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.8
4500	62.7	71.8	75.0	76.8	78.6	78.9	79.3	79.6	79.6	79.8	79.8	79.8	79.8	79.9	79.9	80.0	80.3
4000	63.4	72.7	75.8	78.0	79.8	80.0	80.4	80.8	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.1	81.4
3500	64.2	73.8	77.1	79.4	81.2	81.4	81.9	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.6	83.1
3000	64.8	74.8	77.8	80.2	82.2	82.4	82.8	83.2	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.5	84.0
2500	65.7	76.1	79.9	82.2	84.2	84.4	84.8	85.2	85.2	85.3	85.3	85.3	85.3	85.4	85.4	85.5	86.0
2000	66.8	77.3	81.3	83.7	85.7	85.9	86.3	86.7	86.7	86.8	86.8	86.8	86.8	86.9	86.9	87.0	87.5
1800	66.9	77.6	81.7	84.2	86.1	86.3	86.7	87.1	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.5	88.0
1500	67.2	78.1	82.2	84.7	86.7	86.9	87.3	87.7	87.7	87.8	87.8	87.8	87.8	87.9	87.9	88.0	88.5
1200	67.2	78.1	82.4	84.9	87.0	87.2	87.6	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.3	89.0
1000	67.2	78.7	82.6	85.1	87.1	87.3	87.7	88.1	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.7	90.2
900	67.2	78.9	82.7	85.2	87.3	87.5	87.9	88.3	88.3	88.4	88.4	88.4	88.4	88.5	88.5	89.0	90.3
800	67.2	79.4	83.2	85.7	87.8	88.0	88.4	88.8	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.4	91.1
700	67.2	79.4	83.2	85.7	87.8	88.0	88.4	88.8	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.4	91.1
600	67.2	79.4	83.2	85.7	87.8	88.0	88.4	88.8	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.4	91.1
500	67.4	79.8	84.0	86.5	88.7	88.9	89.3	89.7	89.7	89.8	89.8	89.8	89.8	89.9	89.9	90.0	90.3
400	67.4	79.8	84.0	86.5	88.7	88.9	89.3	89.7	89.7	89.8	89.8	89.8	89.8	89.9	89.9	90.0	90.3
300	67.4	79.8	84.0	86.5	88.7	88.9	89.3	89.7	89.7	89.8	89.8	89.8	89.8	89.9	89.9	90.0	90.3
200	67.4	79.8	84.0	86.5	88.7	88.9	89.3	89.7	89.7	89.8	89.8	89.8	89.8	89.9	89.9	90.0	90.3
100	67.4	79.8	84.0	86.5	88.7	88.9	89.3	89.7	89.7	89.8	89.8	89.8	89.8	89.9	89.9	90.0	90.3
0	67.4	79.8	84.0	86.5	88.7	88.9	89.3	89.7	89.7	89.8	89.8	89.8	89.8	89.9	89.9	90.0	90.3

TOTAL NUMBER OF OBSERVATIONS 1188

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04742 PEASE AFB NH PORTSMOUTH

YEARS 56-70

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM T-74

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	40.7	42.8	43.9	44.4	45.6	45.7	46.0	46.2	46.2	46.3	46.4	46.4	46.5	46.5	46.6	47.0
IV 18000	42.1	43.7	46.7	47.3	48.7	48.7	49.0	49.3	49.3	49.3	49.4	49.5	49.6	49.6	49.6	50.1
IV 14000	43.4	46.1	47.1	47.7	49.0	49.1	49.4	49.6	49.6	49.7	49.8	49.8	49.9	49.9	50.0	50.4
IV 12000	44.8	47.8	49.0	49.4	51.0	51.1	51.4	51.6	51.6	51.7	51.8	51.8	51.9	51.9	52.0	52.4
IV 10000	45.7	49.0	50.4	51.0	52.4	52.5	52.8	53.0	53.0	53.1	53.2	53.3	53.3	53.3	53.4	53.9
IV 8000	46.6	52.7	54.3	55.0	56.5	56.7	57.0	57.3	57.3	57.3	57.4	57.5	57.6	57.6	57.6	58.1
IV 7000	50.8	55.5	57.1	57.9	59.9	60.1	60.4	60.7	60.8	60.9	61.0	61.1	61.2	61.2	61.3	61.7
IV 6000	51.6	56.4	58.1	58.9	61.0	61.3	61.6	61.9	62.0	62.1	62.2	62.3	62.4	62.4	62.4	62.9
IV 5000	52.1	58.8	60.3	61.1	63.3	63.7	64.0	64.4	64.5	64.8	65.0	65.0	65.1	65.1	65.2	65.4
IV 4500	54.7	60.2	62.4	63.3	65.5	65.9	66.1	66.6	66.7	67.0	67.1	67.2	67.3	67.3	67.3	67.8
IV 4000	55.5	61.3	63.6	64.4	66.7	67.0	67.3	67.8	67.9	68.1	68.3	68.4	68.4	68.4	68.5	69.0
IV 3500	56.1	62.5	65.1	66.1	68.3	68.7	69.0	69.4	69.5	69.8	69.9	70.0	70.1	70.1	70.1	70.6
IV 3000	57.9	65.2	67.9	68.8	71.3	71.7	72.0	72.4	72.5	72.8	73.0	73.3	73.1	73.1	73.2	73.6
IV 2500	59.5	67.6	70.4	71.9	74.4	74.8	75.1	75.6	75.6	75.9	76.1	76.1	76.2	76.2	76.3	76.7
IV 2000	60.8	69.7	73.0	74.5	77.3	77.7	78.1	78.4	78.7	79.0	79.1	79.3	79.3	79.3	79.3	79.8
IV 1800	60.7	70.1	73.5	75.0	77.9	78.2	78.5	79.1	79.2	79.5	79.6	79.7	79.8	79.8	79.9	80.3
IV 1500	61.1	71.0	74.4	76.1	79.0	79.3	79.8	80.4	80.4	80.7	80.9	81.0	81.0	81.0	81.1	81.4
IV 1200	61.5	71.9	75.8	77.6	80.6	81.0	81.5	82.1	82.1	82.4	82.6	82.7	82.7	82.7	82.8	83.3
IV 1000	61.9	72.4	76.6	78.3	82.0	82.4	83.0	83.5	83.6	84.0	84.1	84.2	84.3	84.3	84.4	84.8
IV 900	62.1	73.0	77.3	79.6	83.0	83.4	84.0	84.6	84.7	85.1	85.3	85.3	85.4	85.4	85.5	85.9
IV 800	62.3	73.5	78.0	80.4	83.8	84.2	84.8	85.4	85.4	85.8	86.1	86.1	86.2	86.2	86.3	86.7
IV 700	62.2	73.8	78.1	80.6	84.1	84.5	85.2	85.8	85.9	86.3	86.4	86.5	86.6	86.6	86.7	87.1
IV 600	62.2	73.4	78.3	81.0	84.7	85.3	86.1	86.7	86.8	87.3	87.4	87.5	87.6	87.6	87.4	88.1
IV 500	62.3	73.8	78.6	81.8	85.4	85.9	86.7	87.3	87.4	87.9	88.0	88.1	88.2	88.2	88.3	88.8
IV 400	62.4	74.0	78.9	82.6	86.3	86.8	87.7	88.3	88.4	89.0	89.1	89.2	89.3	89.3	89.4	89.9
IV 300	62.4	74.0	78.9	82.6	86.3	86.8	87.7	88.3	88.4	89.0	89.1	89.2	89.3	89.3	89.4	89.9
IV 200	62.4	74.0	78.9	82.6	86.3	86.8	87.7	88.3	88.4	89.0	89.1	89.2	89.3	89.3	89.4	89.9
IV 100	62.4	74.0	78.9	82.6	86.3	86.8	87.7	88.3	88.4	89.0	89.1	89.2	89.3	89.3	89.4	89.9
IV 0	62.4	74.0	78.9	82.6	86.3	86.8	87.7	88.3	88.4	89.0	89.1	89.2	89.3	89.3	89.4	89.9

TOTAL NUMBER OF OBSERVATIONS 1380

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 PLANE 458 N W/PURTSMOUTH STATION LIGHT

36-70 YEARS

FORM 1130

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FORM 1130

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.3	45.1	46.4	46.9	47.3	47.9	48.0	48.2	48.2	48.3	48.4	48.4	48.4	48.7	49.0	49.4
≥ 20000	42.8	46.9	48.3	48.7	49.4	49.8	49.9	50.1	50.1	50.3	50.4	50.4	50.4	50.6	50.7	51.0
IV 18000	43.0	47.0	48.4	48.8	49.5	49.9	50.0	50.2	50.2	50.4	50.4	50.4	50.4	50.7	50.8	51.0
IV 16000	43.0	47.0	48.4	48.8	49.5	49.9	50.1	50.2	50.2	50.4	50.5	50.5	50.7	50.8	51.1	51.6
IV 14000	43.3	47.6	49.1	49.6	50.2	50.6	50.7	51.0	51.0	51.1	51.2	51.2	51.4	51.5	51.8	52.2
IV 12000	44.0	48.2	49.9	50.3	51.0	51.8	51.7	51.9	51.8	52.1	52.1	52.1	52.4	52.4	52.7	53.2
IV 10000	45.3	49.7	51.4	51.9	52.6	53.1	53.3	53.6	53.6	53.8	53.9	53.9	54.1	54.1	54.4	54.9
IV 9000	46.0	50.7	52.4	52.8	53.6	54.1	54.4	54.6	54.6	54.8	54.9	54.9	55.1	55.2	55.5	55.8
IV 8000	47.3	52.7	54.4	55.0	55.8	56.3	56.5	56.7	56.7	57.0	57.0	57.0	57.3	57.3	57.6	58.1
IV 7000	48.9	54.7	56.5	57.0	58.0	58.5	58.8	59.0	59.0	59.3	59.3	59.3	59.7	59.8	60.1	60.5
IV 6000	50.4	56.7	58.4	59.0	59.9	60.4	60.7	61.0	61.0	61.3	61.3	61.3	61.7	61.8	62.1	62.5
IV 5000	52.0	58.7	60.6	61.3	62.3	62.8	63.2	63.5	63.6	63.9	64.1	64.1	64.4	64.4	64.7	65.2
IV 4500	53.1	60.0	61.9	62.6	63.7	64.2	64.6	64.9	65.0	65.3	65.5	65.5	65.8	65.9	66.1	66.6
IV 4000	54.0	61.3	63.1	64.0	65.1	65.6	66.0	66.3	66.4	66.7	66.8	66.9	67.2	67.3	67.6	68.0
IV 3500	55.0	62.6	64.4	65.4	66.7	67.2	67.6	67.9	68.0	68.3	68.4	68.4	68.7	68.8	69.1	69.6
IV 3000	57.2	65.6	67.5	68.7	70.0	70.5	70.9	71.2	71.3	71.6	71.8	71.8	72.1	72.1	72.4	72.9
IV 2500	58.9	68.1	70.2	71.8	73.1	73.6	74.0	74.3	74.4	74.7	74.9	74.9	75.2	75.3	75.6	76.0
IV 2000	60.3	70.4	72.5	74.4	76.1	76.6	77.0	77.3	77.3	77.7	77.8	77.8	78.2	78.3	78.6	79.0
IV 1800	60.7	70.9	73.0	74.9	76.6	77.1	77.5	77.8	77.9	78.2	78.4	78.4	78.7	78.8	79.1	79.6
IV 1500	61.8	72.6	74.7	76.8	78.6	79.1	79.5	79.8	79.9	80.2	80.4	80.4	80.8	80.9	81.2	81.6
IV 1200	62.4	73.7	76.2	78.4	80.2	80.7	81.1	81.4	81.5	81.9	82.1	82.1	82.4	82.5	82.8	83.3
IV 1000	62.8	74.0	76.8	79.0	81.2	81.7	82.1	82.4	82.4	82.8	83.2	83.2	83.6	83.6	83.9	84.4
IV 900	62.8	74.4	77.3	79.6	82.1	82.6	83.0	83.3	83.3	83.7	84.1	84.1	84.4	84.5	84.8	85.3
IV 800	63.0	75.0	78.4	80.8	83.6	84.2	84.6	85.0	85.0	85.4	85.8	85.8	86.1	86.2	86.5	87.0
IV 700	63.0	75.1	78.5	81.0	84.0	84.7	85.1	85.6	85.6	86.0	86.4	86.4	86.8	86.9	87.2	87.6
IV 600	63.1	75.2	78.7	81.4	84.8	85.5	86.0	86.5	86.5	87.0	87.4	87.4	87.8	87.9	88.1	88.6
IV 500	63.1	75.2	78.7	81.4	84.8	85.5	86.0	86.5	86.5	87.0	87.4	87.4	87.8	87.9	88.1	88.6
IV 400	63.2	75.3	79.0	82.0	85.3	86.0	86.5	87.0	87.0	87.5	87.9	87.9	88.3	88.4	88.7	89.2
IV 300	63.2	75.3	79.2	82.3	85.6	86.3	86.8	87.3	87.3	87.8	88.2	88.2	88.6	88.7	89.0	89.5
IV 200	63.2	75.3	79.2	82.3	85.7	86.4	86.9	87.4	87.4	87.9	88.3	88.3	88.7	88.8	89.1	89.6
IV 100	63.2	75.3	79.2	82.3	85.7	86.4	86.9	87.4	87.4	87.9	88.3	88.3	88.7	88.8	89.1	89.6
IV 0	63.2	75.3	79.2	82.3	85.7	86.4	86.9	87.4	87.4	87.9	88.3	88.3	88.7	88.8	89.1	89.6

TOTAL NUMBER OF OBSERVATIONS 1130

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 CLASS ARE NAME W/PLRISMOUTH

YEARS 56-70

DATE 10/90

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0-000-0000~~

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.1	40.6	41.5	41.6	42.6	42.7	42.9	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.4	43.4
IV 20000	40.4	43.8	44.7	44.9	46.0	46.1	46.3	46.5	46.6	46.6	46.7	46.7	46.7	46.7	46.8	46.9
IV 18000	40.6	43.9	44.9	45.0	46.1	46.3	46.4	46.7	46.7	46.7	46.8	46.8	46.8	46.9	47.0	47.0
IV 16000	40.9	44.3	45.3	45.4	46.5	46.7	46.8	47.0	47.1	47.1	47.2	47.2	47.2	47.3	47.3	47.4
IV 14000	41.8	45.5	46.5	46.7	47.9	48.1	48.2	48.4	48.5	48.5	48.6	48.6	48.6	48.7	48.7	48.8
IV 12000	42.7	47.0	48.1	48.2	49.6	49.7	49.9	50.1	50.1	50.1	50.2	50.2	50.2	50.3	50.4	50.4
IV 10000	44.4	49.2	50.3	50.5	52.0	52.1	52.4	52.7	52.8	52.8	53.0	53.0	53.0	53.0	53.1	53.2
IV 9000	45.2	50.1	51.2	51.5	53.1	53.3	53.5	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.2	54.3
IV 8000	46.3	51.9	53.4	54.1	56.0	56.3	56.5	56.9	57.0	57.0	57.3	57.3	57.3	57.4	57.5	57.6
IV 7000	47.3	53.0	54.5	55.2	57.1	57.4	57.6	58.1	58.3	58.4	58.7	58.7	58.8	58.9	59.0	59.1
IV 6000	48.4	54.2	55.8	56.6	58.7	59.0	59.2	59.7	59.9	60.1	60.4	60.4	60.5	60.6	60.7	60.8
IV 5000	49.9	55.9	57.5	58.4	60.5	60.8	61.1	61.6	61.8	62.1	62.4	62.4	62.4	62.5	62.6	62.7
IV 4500	51.0	58.2	59.9	60.9	63.0	63.3	63.6	64.1	64.4	64.6	64.9	64.9	65.0	65.0	65.1	65.3
IV 4000	52.0	59.6	61.3	62.4	64.7	65.0	65.3	65.8	66.0	66.2	66.5	66.5	66.6	66.7	66.7	66.9
IV 3500	54.2	61.2	62.9	64.1	66.3	66.6	66.9	67.4	67.6	67.9	68.1	68.1	68.2	68.3	68.4	68.5
IV 3000	57.3	65.1	67.0	68.1	70.4	70.7	71.0	71.5	71.7	71.9	72.2	72.2	72.3	72.4	72.4	72.6
IV 2500	59.0	67.3	69.1	70.4	72.8	73.1	73.4	74.0	74.3	74.5	74.8	74.8	74.9	75.0	75.0	75.2
IV 1800	60.7	70.3	72.6	74.3	76.8	77.2	77.6	78.1	78.5	78.7	79.0	79.0	79.1	79.2	79.3	79.4
IV 1500	61.4	71.2	73.6	75.5	78.1	78.5	78.9	79.5	79.8	80.1	80.4	80.4	80.4	80.5	80.6	80.7
IV 1200	61.8	71.9	74.6	76.7	79.6	80.0	80.4	81.0	81.3	81.6	81.9	81.9	81.9	82.0	82.1	82.2
IV 1000	62.1	72.5	75.3	77.7	81.0	81.5	81.9	82.4	82.8	83.0	83.3	83.3	83.4	83.5	83.6	83.7
IV 900	62.6	73.0	75.9	78.2	81.6	82.1	82.4	83.0	83.4	83.6	83.9	83.9	84.0	84.1	84.1	84.3
IV 800	63.0	73.5	77.0	79.5	83.3	83.9	84.3	85.0	85.3	85.4	85.9	85.9	86.0	86.1	86.1	86.3
IV 700	63.3	74.4	77.6	80.3	84.7	85.2	85.7	86.4	86.7	87.0	87.3	87.3	87.4	87.5	87.6	87.7
IV 600	63.3	74.7	78.0	81.0	85.8	86.3	86.9	87.7	88.1	88.3	88.7	88.7	88.8	88.8	88.9	89.0
IV 500	63.3	74.8	78.2	81.7	86.7	87.2	87.8	88.7	89.0	89.6	90.1	90.1	90.2	90.3	90.4	90.5
IV 400	63.3	75.1	78.7	82.4	87.9	88.7	89.6	90.6	91.0	91.6	92.2	92.3	92.4	92.7	92.7	92.9
IV 300	63.3	75.3	78.7	82.8	88.4	89.5	91.0	92.1	92.5	93.3	94.1	94.1	94.6	94.7	94.7	95.0
IV 200	63.3	75.6	78.9	83.0	88.7	89.7	91.6	92.7	93.0	94.3	95.3	95.4	96.3	96.4	96.7	97.0
IV 100	63.3	75.4	78.9	83.1	88.7	89.8	91.5	92.7	93.1	94.8	95.9	96.2	97.2	97.5	98.1	99.0
IV 0	63.3	75.6	78.9	83.1	88.7	89.8	91.5	92.7	93.1	94.8	95.9	96.2	97.2	97.5	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS

1350

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: 04763 REAS: AFB 4 W/PORTSMOUTH YEARS: 56-70 DTG: 0100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM 1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	37.3	39.3	39.7	40.1	40.4	40.5	40.9	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.9
IVM 18000 16000	40.2	42.6	43.0	43.5	44.0	44.1	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.7
IVM 14000 12000	41.3	44.1	44.6	45.0	45.6	45.8	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.3
IVM 10000 9000	43.0	49.1	49.8	50.6	51.4	51.6	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.3
IVM 8000 7000	47.9	54.7	55.9	56.9	57.9	58.1	58.4	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.9	59.0
IVM 6000 5000	50.7	59.9	57.3	58.2	59.3	59.5	59.9	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.4	60.4
IVM 4500 4000	52.8	58.0	59.8	60.5	61.9	62.0	62.4	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.9	63.0
IVM 3500 3000	54.4	59.6	61.0	62.1	63.4	63.6	64.0	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.6
IVM 2500 2000	58.6	60.8	62.4	63.4	64.7	65.0	65.4	65.7	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.1
IVM 1800 1500	61.7	68.2	70.0	71.6	73.4	73.6	74.1	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.7	74.7
IVM 1200 1000	64.1	71.4	73.3	73.3	77.1	77.3	77.8	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.4	78.4
IVM 900 800	66.6	74.3	76.4	79.0	81.0	81.3	82.0	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.6	82.7
IVM 700 600	67.0	75.0	77.3	80.0	82.0	82.3	83.1	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.7	83.8
IVM 500 400	67.6	75.9	78.9	81.3	83.9	84.1	85.1	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.8
IVM 300 200	68.1	76.4	79.2	82.4	84.9	85.2	86.5	86.7	86.7	86.9	86.9	86.9	86.9	86.9	87.0	87.0
IVM 100 0	68.2	76.7	79.4	82.0	83.9	84.1	87.7	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.5
	68.4	77.2	80.4	84.1	87.2	88.1	89.9	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.5	90.6
	68.4	77.3	80.7	84.7	88.8	89.1	92.9	93.9	94.2	95.3	95.7	95.8	95.8	95.8	96.1	96.3
	68.4	77.3	80.7	84.9	88.8	90.4	93.1	94.7	95.1	96.4	97.3	97.6	97.6	97.6	98.1	98.8
	68.4	77.3	80.7	84.9	88.8	90.4	93.1	94.7	95.1	96.4	97.3	97.6	97.6	97.6	98.1	98.8

TOTAL NUMBER OF OBSERVATIONS: 1380

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04743 BASE AFB N W/ROTHSCHILD

56-70

YEARS

ONLY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	36.7	48.2	38.8	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
18000 IVN	40.4	42.1	42.8	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
16000 IVN	41.0	42.9	43.6	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
14000 IVN	41.3	43.4	44.1	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
12000 IVN	42.7	44.8	45.5	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
10000 IVN	44.1	46.4	47.0	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
9000 IVN	46.7	49.9	50.7	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
8000 IVN	47.0	51.0	51.9	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
7000 IVN	49.6	53.4	54.4	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
6000 IVN	50.8	54.7	55.8	56.7	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
5000 IVN	51.3	55.4	56.6	57.6	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
4500 IVN	52.7	57.9	59.0	60.0	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
4000 IVN	56.4	60.6	61.8	62.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
3500 IVN	58.2	62.9	64.1	65.1	66.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
3000 IVN	60.9	65.3	66.5	67.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2500 IVN	63.4	68.0	70.3	71.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
2000 IVN	65.9	71.6	73.1	74.1	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
1800 IVN	67.6	73.8	75.6	76.8	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
1500 IVN	68.2	74.9	76.4	77.7	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
1200 IVN	69.8	76.4	78.7	80.2	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
1000 IVN	70.7	78.4	80.8	82.6	84.4	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
900 IVN	71.8	80.1	82.7	84.8	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
800 IVN	72.2	80.7	83.3	85.6	87.6	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
700 IVN	72.4	81.1	84.0	86.4	88.4	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
600 IVN	72.7	81.6	84.8	87.6	89.7	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
500 IVN	72.7	81.8	85.0	87.9	90.1	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
400 IVN	72.7	82.1	85.4	88.4	91.0	91.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
300 IVN	72.7	82.2	85.9	89.0	92.4	93.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
200 IVN	72.7	82.2	86.8	89.0	92.5	93.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
100 IVN	72.7	82.2	86.9	89.0	92.5	93.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
0 IVN	72.7	82.2	86.9	89.0	92.5	93.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1

TOTAL NUMBER OF OBSERVATIONS 1230

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 WHEEL AFB N H/ROTHS MOUTH

56-70

YEARS

NOV 68

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.2	40.9	41.3	41.6	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	44.2	46.2	47.0	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
18000	44.5	46.5	47.3	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0
16000	44.9	46.9	47.7	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
14000	46.4	48.4	49.2	49.5	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0
12000	48.1	50.1	51.0	51.3	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
10000	50.0	52.8	54.3	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.2
9000	51.0	53.9	55.4	55.8	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.4
8000	52.4	56.1	57.6	58.0	58.2	58.4	58.5	58.5	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7
7000	54.1	57.9	59.6	60.1	60.5	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.1	61.1
6000	55.3	59.3	61.1	61.6	62.0	62.3	62.4	62.4	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7
5000	57.2	61.9	63.6	64.1	64.5	64.8	65.0	65.0	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3
4500	59.6	64.2	66.1	66.8	67.2	67.5	67.6	67.8	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1
4000	61.9	66.7	68.7	69.5	69.9	70.1	70.3	70.4	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.8
3500	63.2	68.3	70.4	71.4	71.9	72.1	72.3	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.8
3000	64.8	70.4	72.9	74.0	74.4	74.9	75.0	75.2	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.6
2500	67.0	73.1	75.6	76.7	77.6	77.9	78.1	78.2	78.3	78.4	78.5	78.5	78.5	78.5	78.6	78.6
2000	69.2	76.1	78.7	80.0	80.8	81.2	81.3	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	82.1
1800	69.8	76.6	79.4	80.7	81.6	81.9	82.2	82.4	82.6	82.7	82.8	82.9	83.0	83.0	83.0	83.0
1500	70.8	78.1	81.0	82.4	83.4	83.8	84.1	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
1200	71.2	78.9	81.9	83.6	84.7	85.0	85.7	85.9	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.4
1000	71.6	79.4	82.6	84.4	85.5	85.9	86.7	86.9	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.4
900	71.6	79.5	82.8	84.8	86.1	86.6	87.5	87.6	87.7	87.9	87.9	87.9	87.9	88.1	88.1	88.2
800	71.9	79.9	83.4	85.5	86.9	87.5	88.7	88.8	88.7	88.9	88.9	88.9	88.9	89.2	89.2	89.3
700	72.0	80.2	84.1	86.4	88.1	88.7	89.7	90.0	90.1	90.4	90.4	90.4	90.4	90.7	90.7	90.7
600	72.2	80.4	84.3	86.8	88.8	89.4	90.5	91.0	91.3	91.3	91.4	91.4	91.4	91.8	91.8	91.9
500	72.3	80.9	84.9	87.5	89.6	90.2	91.5	92.2	92.6	93.0	93.1	93.1	93.3	93.3	93.4	93.4
400	72.3	80.9	85.0	87.8	90.1	90.8	92.0	92.8	93.2	93.9	94.4	94.4	94.8	94.8	94.9	94.9
300	72.3	80.9	85.0	87.9	90.7	91.6	93.0	93.8	94.9	96.9	97.3	97.3	97.9	97.7	97.7	97.8
200	72.3	80.9	85.0	87.9	90.8	91.6	93.7	94.5	96.1	97.2	98.0	98.1	98.7	98.7	98.8	98.9
100	72.3	80.9	85.0	87.9	90.8	91.6	93.7	94.5	96.1	97.3	98.1	98.3	98.9	99.2	99.3	99.7
0	72.3	80.9	85.0	87.9	90.8	91.6	93.7	94.5	96.1	97.3	98.1	98.3	98.9	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1388

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 PEASE AFB N H/PURTSMOUTH

58-70

YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1480-1300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.1	48.9	49.3	49.6	49.6	49.7	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 20000	48.7	51.6	52.0	52.4	52.4	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 18000	49.0	51.9	52.3	52.7	52.7	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 16000	49.6	52.5	52.9	53.3	53.3	53.4	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 14000	50.3	53.6	53.9	54.3	54.4	54.4	54.5	54.5	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7
IV 12000	51.7	55.0	55.4	55.8	55.8	56.0	56.1	56.1	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3
IV 10000	54.1	58.1	59.1	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0
IV 9000	54.2	58.2	59.2	59.7	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1
IV 8000	54.7	59.0	60.1	60.9	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3
IV 7000	56.8	61.7	62.2	64.1	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8
IV 6000	58.1	63.0	64.4	65.3	65.6	65.8	66.0	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.3	66.3
IV 5000	58.8	64.2	65.7	66.7	67.1	67.4	67.6	67.7	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9
IV 4500	60.0	65.8	67.3	68.4	69.0	69.3	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.8	69.8
IV 4000	61.5	67.3	68.1	70.2	70.8	71.1	71.3	71.4	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6
IV 3500	62.2	68.7	70.7	71.9	72.7	72.9	73.1	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.5	73.5
IV 3000	63.4	70.7	72.7	74.1	74.9	75.3	75.5	75.7	75.7	75.8	75.8	75.9	75.9	75.9	76.0	76.0
IV 2500	65.0	72.4	74.6	76.4	77.3	77.7	78.0	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.5	78.5
IV 2000	66.6	74.3	77.1	79.2	80.3	80.7	81.0	81.4	81.4	81.6	81.6	81.7	81.7	81.7	81.8	81.8
IV 1800	66.8	74.9	77.6	79.9	81.0	81.4	81.7	82.1	82.1	82.3	82.3	82.7	82.7	82.7	82.8	82.8
IV 1500	67.8	76.3	79.3	81.8	82.9	83.3	83.7	84.1	84.1	84.4	84.4	84.8	84.8	84.8	84.9	84.9
IV 1200	68.1	77.2	80.3	82.8	84.4	84.8	85.3	85.7	85.7	86.1	86.1	86.1	86.1	86.1	86.2	86.2
IV 1000	68.3	78.0	81.1	83.9	85.6	85.9	86.4	86.8	86.8	87.2	87.2	87.3	87.3	87.3	87.3	87.3
IV 900	68.3	78.1	81.3	84.2	85.9	86.4	87.0	87.3	87.3	87.6	87.6	87.7	87.7	87.7	87.8	87.8
IV 800	68.3	78.2	81.4	84.3	86.0	86.4	87.0	87.3	87.3	87.6	87.6	87.7	87.7	87.7	87.8	87.8
IV 700	68.8	79.1	82.4	85.3	87.0	87.5	88.1	88.5	88.5	88.8	88.8	89.0	89.0	89.1	89.1	89.1
IV 600	69.1	79.3	82.7	85.6	87.3	87.8	88.4	88.8	88.8	89.1	89.1	89.3	89.3	89.4	89.4	89.4
IV 500	69.1	79.3	82.8	85.7	87.4	87.9	88.5	88.9	88.9	89.2	89.2	89.4	89.4	89.5	89.5	89.5
IV 400	69.1	79.3	82.8	85.7	87.4	87.9	88.5	88.9	88.9	89.2	89.2	89.4	89.4	89.5	89.5	89.5
IV 300	69.1	79.3	82.8	85.7	87.4	87.9	88.5	88.9	88.9	89.2	89.2	89.4	89.4	89.5	89.5	89.5
IV 200	69.1	79.3	82.8	85.7	87.4	87.9	88.5	88.9	88.9	89.2	89.2	89.4	89.4	89.5	89.5	89.5
IV 100	69.1	79.3	82.8	85.7	87.4	87.9	88.5	88.9	88.9	89.2	89.2	89.4	89.4	89.5	89.5	89.5
IV 0	69.1	79.3	82.8	85.7	87.4	87.9	88.5	88.9	88.9	89.2	89.2	89.4	89.4	89.5	89.5	89.5

TOTAL NUMBER OF OBSERVATIONS 1380

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04762 ~~BASE AFB N~~ / ~~BURTON~~ STATION NAME

56-70 YEARS

NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.2	46.7	47.5	47.9	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.6	48.7	48.9	49.4
≥ 20000	46.0	48.7	49.6	50.0	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.9	51.0	51.2	51.7
M/V 18000	46.3	49.0	49.9	50.3	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.3	51.5	52.0
16000	46.6	49.3	50.2	50.7	51.3	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.6	51.8	51.9	52.4
M/V 14000	46.9	49.6	50.6	51.1	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.1	52.2	52.8
12000	47.4	50.5	51.6	52.1	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	53.0	53.1	53.3	53.8
M/V 10000	49.3	52.5	53.9	54.7	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.6	55.7	55.9	56.4
9000	50.1	53.8	54.9	55.4	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.7	56.9	57.4
M/V 8000	52.2	55.9	57.5	58.4	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.8	59.9	60.4
7000	53.0	58.4	60.4	61.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.2	63.3	63.5	64.0
M/V 6000	55.1	60.0	62.2	63.7	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.3	65.4	65.6	66.1
5000	56.9	61.9	64.3	65.7	67.1	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.6	67.7	67.9	68.4
M/V 4500	58.3	63.9	66.3	67.8	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.9	70.1	70.7
4000	59.4	65.4	67.9	69.4	71.1	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.6	71.7	71.9	72.4
M/V 3500	60.7	67.0	69.6	71.2	72.9	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.6	73.7	74.4
3000	62.3	69.0	71.6	73.4	75.4	75.5	75.7	75.8	75.8	75.8	75.8	75.8	76.1	76.2	76.4	77.0
M/V 2500	63.3	70.6	73.3	75.5	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	78.1	78.2	78.4	79.0
2000	64.4	72.4	75.2	77.8	79.8	79.9	80.2	80.3	80.3	80.3	80.3	80.3	80.7	80.8	81.0	81.6
M/V 1800	64.7	72.7	75.6	78.0	80.3	80.4	80.7	80.8	80.8	80.8	80.8	80.8	81.0	81.2	81.3	81.9
1500	65.4	74.2	77.5	80.2	82.9	83.0	83.4	83.5	83.5	83.5	83.5	83.5	84.1	84.3	84.4	85.0
M/V 1200	65.7	74.9	78.3	81.1	83.9	84.0	84.4	84.5	84.5	84.5	84.5	84.5	85.0	85.2	85.3	86.1
1000	65.9	75.4	78.8	81.8	84.8	84.9	85.3	85.4	85.4	85.4	85.4	85.4	86.1	86.3	86.4	87.2
M/V 900	66.0	75.7	79.2	82.3	85.3	85.4	85.8	85.9	85.9	85.9	85.9	85.9	86.6	86.8	87.0	87.7
800	66.4	76.1	79.6	82.8	85.8	85.9	86.3	86.4	86.4	86.4	86.4	86.4	87.0	87.2	87.4	88.2
M/V 700	66.4	76.6	80.2	83.9	87.2	87.3	87.6	87.7	87.7	87.7	87.7	87.7	88.4	88.6	88.8	89.6
600	66.4	76.7	80.3	84.1	87.5	87.6	88.0	88.1	88.1	88.1	88.1	88.1	88.8	89.0	89.2	90.1
M/V 500	66.4	76.7	80.3	84.2	87.6	87.7	88.1	88.2	88.2	88.2	88.2	88.2	89.0	89.2	89.4	90.4
400	66.4	76.7	80.3	84.2	87.6	87.7	88.1	88.2	88.2	88.2	88.2	88.2	89.0	89.2	89.4	90.4
M/V 300	66.4	76.7	80.3	84.2	87.6	87.7	88.1	88.2	88.2	88.2	88.2	88.2	89.0	89.2	89.4	90.4
200	66.4	76.7	80.3	84.2	87.6	87.7	88.1	88.2	88.2	88.2	88.2	88.2	89.0	89.2	89.4	90.4
M/V 100	66.4	76.7	80.3	84.2	87.6	87.7	88.1	88.2	88.2	88.2	88.2	88.2	89.0	89.2	89.4	90.4
0	66.4	76.7	80.3	84.2	87.6	87.7	88.1	88.2	88.2	88.2	88.2	88.2	89.0	89.2	89.4	90.4

TOTAL NUMBER OF OBSERVATIONS 1380

2

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION BASE AFB N H/ROTHSOUTH YEAR 66-70 MONTH ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

FORM 0-14-5 (VOL 1)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	49.7	48.2	49.4	49.6	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.8	50.8	51.3
≥ 20000	47.3	49.8	51.1	51.3	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.5	53.0
18000	47.4	50.0	51.2	51.4	52.1	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	53.1
16000	47.7	50.3	51.5	51.7	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	53.4
14000	48.3	51.0	52.3	52.5	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	54.2
12000	49.0	52.3	53.5	53.8	54.5	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	55.5
10000	50.8	53.7	55.1	55.3	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.5	56.5	57.1
9000	51.2	54.1	55.6	55.8	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	57.5
8000	53.0	56.1	57.6	57.8	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.6
7000	54.8	58.4	59.9	60.1	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.4	61.4	61.9
6000	57.0	60.6	62.4	62.6	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.9	63.9	64.5
5000	58.7	62.3	64.3	64.5	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.8	65.8	66.4
4500	60.1	64.9	66.9	67.4	68.2	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	68.9	69.5
4000	60.4	65.4	67.4	68.1	68.9	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7	69.7	70.3
3500	61.9	67.3	69.3	70.3	71.2	71.4	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.9	71.9	72.5
3000	63.4	70.0	72.0	73.0	74.1	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.8	74.8	75.4
2500	64.4	71.4	73.4	74.9	76.2	76.4	76.5	76.6	76.6	76.6	77.0	77.0	77.0	77.1	77.2	77.2	77.8
2000	65.8	73.0	75.0	77.1	78.5	78.7	78.8	78.9	78.9	78.9	79.3	79.3	79.3	79.3	79.6	79.6	80.2
1800	65.8	73.5	75.5	77.6	79.4	79.7	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6	81.2
1500	66.3	74.1	76.1	78.7	81.1	81.3	82.2	82.4	82.4	82.4	82.8	82.8	82.8	82.8	83.4	83.4	84.0
1200	66.9	74.8	76.8	79.9	82.5	82.8	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4	85.0
1000	68.0	75.1	77.1	80.9	83.7	84.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.4	85.4	86.0
900	68.6	75.3	77.3	81.4	84.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.0	86.6
800	68.6	75.8	77.8	81.7	84.5	84.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.9
700	68.7	75.8	77.8	81.7	84.5	84.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.9
600	68.9	76.3	78.3	82.3	85.1	85.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	87.5
500	68.9	76.3	78.3	82.3	85.1	85.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	87.5
400	68.9	76.3	78.3	82.3	85.1	85.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	87.5
300	68.9	76.3	78.3	82.3	85.1	85.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	87.5
200	68.9	76.3	78.3	82.3	85.1	85.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	87.5
100	68.9	76.3	78.3	82.3	85.1	85.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	87.5
0	68.9	76.3	78.3	82.3	85.1	85.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	87.5

TOTAL NUMBER OF OBSERVATIONS 1333

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04763 PEASE AFB N H/PORTSMOUTH YEARS 56-70 DEC 1970

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0-100-0000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.0	50.3	51.2	51.4	52.0	52.3	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.6
≥ 20000	49.0	52.5	53.5	53.8	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9
IV 18000	49.0	52.5	53.5	53.8	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9
IV 16000	49.2	52.6	53.7	53.9	54.5	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.1	55.1
IV 14000	49.8	53.3	54.6	54.8	55.3	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	56.0
IV 12000	50.7	54.3	55.4	55.6	56.2	56.4	56.4	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.8	56.8
IV 10000	51.6	55.6	56.8	57.1	57.6	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.3
IV 9000	52.2	56.2	57.4	57.6	58.2	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.8	58.9
IV 8000	53.6	57.7	59.1	59.4	59.9	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.6
IV 7000	55.3	58.7	61.1	61.4	61.9	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.7
IV 6000	57.2	61.6	63.3	63.7	64.3	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	65.0
IV 5000	58.4	62.8	64.5	64.8	65.4	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.1	66.2
IV 4500	59.6	64.4	66.2	66.7	67.4	67.8	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.5
IV 4000	60.1	65.2	67.0	67.5	68.2	68.6	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2	69.2
IV 3500	60.8	66.2	68.5	69.2	69.9	70.3	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9	71.0	71.0
IV 3000	62.4	68.0	71.5	72.3	73.3	73.8	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.6	74.7
IV 2500	63.4	70.8	73.4	74.4	75.4	76.0	76.4	76.5	76.5	76.6	76.7	76.7	76.7	76.7	76.8	76.8
IV 2000	64.7	72.8	75.8	77.1	78.3	79.1	79.5	79.5	79.5	80.0	80.1	80.1	80.1	80.1	80.2	80.2
IV 1800	64.8	73.1	76.3	77.6	79.2	79.9	80.4	80.6	80.6	80.8	80.9	80.9	80.9	80.9	80.9	81.0
IV 1500	65.4	74.3	77.6	79.1	81.3	81.9	82.5	82.7	82.7	82.9	82.9	82.9	82.9	82.9	83.1	83.2
IV 1200	65.6	74.8	78.4	80.1	82.8	83.5	84.1	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.8	84.9
IV 1000	65.4	75.2	79.1	80.7	83.6	84.3	84.9	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.5	85.6
IV 900	65.4	75.3	79.2	81.1	84.0	84.9	85.7	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.5	86.6
IV 800	65.4	75.4	79.7	81.6	84.8	85.7	86.5	86.9	87.3	87.7	87.9	87.9	87.9	87.9	88.0	88.1
IV 700	65.7	75.8	80.0	82.0	85.5	86.6	87.5	87.9	88.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 600	65.7	75.8	80.1	82.5	86.2	87.3	88.1	88.7	89.1	89.7	90.1	90.1	90.1	90.1	90.1	90.1
IV 500	65.7	75.9	80.3	82.7	86.7	87.9	88.9	89.7	90.2	91.3	91.6	92.0	92.9	92.9	93.0	93.1
IV 400	65.8	76.2	80.6	83.3	87.7	88.9	89.9	91.3	92.0	93.2	94.2	94.3	95.4	95.4	95.7	95.8
IV 300	65.8	76.4	80.8	83.5	88.0	89.3	91.0	92.0	92.5	94.1	95.4	95.8	97.4	97.6	97.8	98.1
IV 200	65.8	76.4	80.8	83.5	88.0	89.3	91.0	92.0	92.5	94.1	95.4	95.8	97.4	97.6	97.8	98.1
IV 100	65.8	76.4	80.8	83.5	88.0	89.3	91.0	92.0	92.5	94.1	95.4	95.8	97.4	97.6	97.8	98.1
0	65.8	76.4	80.8	83.5	88.0	89.3	91.0	92.0	92.5	94.1	95.4	95.8	97.4	97.6	97.8	98.1

TOTAL NUMBER OF OBSERVATIONS 1898

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04702 BASE ABN H/PURTSMOUTH

50-70

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0-00-0000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	45.2	48.0	49.2	49.7	50.5	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.1
≥ 20000	48.0	50.8	52.3	52.8	53.6	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2
N 18000	48.0	50.8	52.3	52.8	53.6	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2
N 14000	48.1	51.0	52.5	53.0	53.8	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.4
N 12000	48.7	51.7	53.3	53.8	54.6	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1
N 10000	48.2	52.3	53.8	54.4	55.2	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.8
N 9000	50.8	54.2	55.8	56.3	57.2	57.3	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.8
N 8000	51.0	54.4	56.0	56.5	57.4	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0
N 7000	52.3	56.2	58.2	58.7	59.7	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.3
N 6000	54.4	58.8	60.8	61.3	62.4	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.2
N 5000	55.3	60.1	62.5	63.0	64.6	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.2
N 4500	57.7	62.7	65.2	65.7	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	68.0
N 4000	59.0	64.4	67.2	67.7	69.5	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.1
N 3500	58.8	65.4	68.2	68.7	70.4	70.5	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.0
N 3000	60.8	66.5	69.2	70.3	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
N 2500	61.8	68.1	71.2	72.3	73.9	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.6
N 2000	62.6	69.0	72.3	73.7	75.1	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	76.0
N 1800	63.9	70.8	74.0	75.4	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.1
N 1500	64.6	71.8	75.0	76.4	78.1	78.3	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.1
N 1200	64.6	72.0	75.2	76.6	78.3	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.1
N 1000	65.0	73.0	76.2	77.6	79.3	79.5	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.2
N 900	65.2	74.1	77.3	78.7	80.4	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.3
N 800	65.2	74.1	77.3	78.7	80.4	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.3
N 700	65.4	74.4	77.6	79.0	80.7	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
N 600	65.4	74.4	77.6	79.0	80.7	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
N 500	65.4	74.4	77.6	79.0	80.7	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
N 400	65.4	74.4	77.6	79.0	80.7	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
N 300	65.4	74.4	77.6	79.0	80.7	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
N 200	65.4	74.4	77.6	79.0	80.7	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
N 100	65.4	74.4	77.6	79.0	80.7	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
0	65.4	74.4	77.6	79.0	80.7	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6

TOTAL NUMBER OF OBSERVATIONS 1385

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04743 PEASE AFB N W/BURTONSOUTH

YEAR 56-70

MONTH

REF

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

~~0400-1100~~

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.4	46.5	47.0	47.4	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 2000	47.9	50.1	50.8	51.3	51.4	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
1800	48.0	50.2	51.0	51.3	51.5	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
1600	48.0	50.2	51.0	51.4	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
1400	48.4	50.8	51.5	51.9	52.0	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
1200	48.5	51.3	52.1	52.5	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
1000	52.3	55.6	56.6	57.0	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
900	52.8	56.3	57.4	57.8	58.1	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
800	55.2	59.1	60.4	61.1	61.3	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
700	57.0	61.0	62.3	63.0	63.2	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
6000	58.5	62.9	64.4	65.1	65.5	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.1	66.1	66.2
5000	60.4	65.3	67.0	67.8	68.5	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.2
4500	61.3	67.0	68.5	69.3	70.3	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	71.0
4000	62.3	68.2	69.7	70.8	71.5	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.3
3500	63.9	69.9	71.3	72.5	73.3	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	74.1
3000	65.7	72.0	73.9	75.0	75.9	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.6
2500	66.7	73.2	75.4	76.5	77.5	77.6	77.9	77.9	77.9	77.9	77.9	77.9	78.1	78.1	78.1	78.2
2000	67.1	73.8	76.1	77.5	78.7	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.6
1800	67.4	74.3	76.6	78.3	79.5	79.6	80.0	80.0	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.4
1500	68.0	75.3	77.6	79.4	81.0	81.3	81.7	81.7	81.8	81.8	81.8	81.8	82.1	82.1	82.1	82.2
1200	68.3	75.9	78.3	80.3	81.9	82.1	82.6	82.7	82.8	82.9	82.9	82.9	83.1	83.1	83.1	83.2
1000	68.5	76.2	78.8	81.0	82.9	83.4	84.0	84.1	84.2	84.4	84.4	84.4	84.7	84.7	84.7	84.9
900	68.6	76.3	78.9	81.1	83.0	83.5	84.0	84.4	84.6	85.0	85.2	85.2	85.4	85.4	85.4	85.7
800	68.7	76.3	79.0	81.4	83.3	84.1	84.8	85.1	85.4	86.0	86.4	86.4	86.6	86.6	86.7	87.0
700	68.7	76.4	79.2	82.1	84.4	85.0	85.8	86.3	86.7	87.2	87.6	87.6	87.8	87.8	88.0	88.2
600	68.8	76.4	79.6	82.9	85.4	86.4	87.3	87.8	88.3	89.0	90.1	90.1	90.3	90.3	90.4	90.8
500	69.0	77.2	80.0	83.0	86.7	87.8	88.7	89.7	90.4	91.6	92.5	92.5	92.8	92.8	93.0	93.4
400	69.0	77.3	80.1	83.2	87.3	88.2	89.1	90.8	91.6	93.3	94.4	94.4	94.8	94.8	95.2	95.8
300	69.0	77.5	80.1	83.9	87.5	88.4	89.9	91.3	92.1	93.9	95.4	95.4	96.0	96.3	96.6	97.8
200	69.0	77.7	80.1	83.9	87.5	88.4	90.0	91.4	92.3	94.1	95.8	95.8	96.0	96.9	97.1	97.8
100	69.0	77.8	80.1	83.9	87.5	88.4	90.0	91.4	92.3	94.2	95.8	95.8	96.1	97.2	97.3	99.4
0	69.0	77.8	80.1	83.9	87.5	88.4	90.0	91.4	92.3	94.2	95.8	95.8	96.1	97.2	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1385

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04763 BASE AFB N W/RAHLEIGH

66-70

YEARS

USC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	45.0	47.6	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 18000	51.3	53.6	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000	51.5	53.9	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	51.7	54.1	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 12000	53.0	55.5	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 10000	54.1	56.6	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 9000	55.8	58.6	58.9	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
IV 8000	56.3	59.4	59.7	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 7000	57.8	61.1	61.7	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 6000	58.1	62.3	62.8	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 5000	60.3	63.8	64.2	64.7	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4500	62.0	65.7	66.5	67.1	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 4000	62.3	66.3	67.2	68.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 3500	64.4	68.2	70.0	70.8	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 3000	66.0	71.0	72.1	72.9	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 2500	67.8	72.8	74.1	75.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 2000	68.0	73.4	74.8	75.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1800	69.2	74.8	76.2	77.3	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 1500	69.9	75.8	77.1	78.4	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 1200	70.8	77.1	78.5	80.6	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1000	71.1	77.8	79.9	81.7	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 900	71.8	78.8	80.9	82.9	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 800	72.1	79.2	81.3	83.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 700	72.3	79.4	81.5	83.9	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 600	72.5	79.6	81.7	84.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 500	72.8	79.9	82.0	84.7	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 400	72.9	79.9	82.0	84.9	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 300	72.9	79.9	82.0	85.1	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 200	72.9	79.9	82.0	85.2	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 100	72.9	79.9	82.0	85.2	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 0	72.9	79.9	82.0	85.2	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04762 STATION PLASE AFB N H/PORTSMOUTH

36-70 YEARS

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1959-1960

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.2	47.8	48.2	48.6	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	52.0	54.1	54.8	55.5	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2
18000	52.2	54.3	55.0	55.6	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
16000	52.6	54.8	55.5	56.1	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
14000	53.3	55.7	56.4	57.1	57.6	57.6	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8
12000	54.3	56.6	57.4	58.1	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8
10000	56.3	59.3	60.1	60.7	61.2	61.4	61.4	61.4	61.4	61.5	61.6	61.6	61.6	61.6
9000	57.3	60.3	61.1	61.7	62.2	62.4	62.4	62.4	62.4	62.5	62.6	62.6	62.6	62.6
8000	59.3	62.3	63.2	63.9	64.6	64.7	64.9	64.9	64.9	65.0	65.1	65.1	65.1	65.1
7000	60.4	63.7	64.7	65.4	66.2	66.4	66.5	66.5	66.5	66.7	66.8	66.8	66.8	67.0
6000	61.1	64.7	65.6	66.3	67.2	67.4	67.5	67.5	67.5	67.7	67.8	67.8	67.8	68.0
5000	61.9	65.3	67.1	67.8	69.0	69.3	69.5	69.5	69.5	69.7	69.8	69.8	69.8	70.0
4500	62.3	66.9	67.8	68.7	69.9	70.1	70.2	70.4	70.4	70.5	70.7	70.7	70.7	70.9
4000	64.0	68.6	69.5	70.4	71.6	71.8	72.0	72.1	72.1	72.3	72.4	72.4	72.4	72.7
3500	65.7	70.6	71.6	72.5	73.8	74.2	74.4	74.5	74.5	74.6	74.8	74.8	74.8	75.1
3000	67.3	72.8	73.8	74.8	76.3	76.8	77.0	77.1	77.1	77.3	77.4	77.5	77.5	77.8
2500	68.6	74.1	75.2	76.2	78.0	78.4	78.5	78.5	78.5	78.7	78.7	78.7	78.7	79.1
2000	69.9	75.4	76.5	77.4	80.1	80.5	80.6	80.6	80.6	80.8	80.8	80.8	80.8	81.2
1800	69.7	75.8	77.4	79.0	80.7	81.6	81.9	82.2	82.2	82.3	82.4	82.5	82.5	82.8
1500	70.4	76.4	78.2	79.8	81.7	82.7	83.2	83.4	83.4	83.7	83.8	83.9	83.9	84.1
1200	71.0	77.4	79.1	80.9	83.0	84.2	84.7	84.9	84.9	85.2	85.4	85.4	85.4	85.7
1000	71.5	78.0	79.7	81.7	84.1	85.2	85.8	86.0	86.0	86.3	86.4	86.4	86.4	86.7
900	71.6	78.4	80.1	82.4	84.7	85.9	86.7	87.2	87.3	87.7	87.9	88.0	88.0	88.4
800	71.7	78.4	80.3	82.8	85.3	86.5	87.3	88.0	88.2	88.7	89.0	89.2	89.2	89.5
700	71.7	78.6	80.4	83.1	85.8	87.1	88.1	88.8	88.8	89.4	89.9	90.0	90.0	90.4
600	71.8	78.8	80.8	83.6	86.4	87.7	88.7	89.5	89.5	90.2	90.8	91.0	91.0	91.4
500	71.8	79.1	80.9	83.9	87.3	88.8	90.1	91.3	91.9	93.0	93.8	94.1	94.3	94.8
400	71.8	79.1	81.0	84.7	88.1	89.8	91.5	93.0	93.6	95.0	95.8	96.1	96.4	97.1
300	71.8	79.1	81.0	84.7	88.1	90.1	91.5	93.0	93.6	95.0	95.8	96.1	96.4	97.1
200	71.8	79.1	81.0	84.7	88.1	90.2	91.5	93.1	93.6	95.0	95.8	96.1	96.4	97.1
100	71.8	79.1	81.0	84.7	88.1	90.2	91.5	93.1	93.6	95.0	95.8	96.1	96.4	97.1
0	71.8	79.1	81.0	84.7	88.1	90.2	91.5	93.1	93.6	95.0	95.8	96.1	96.4	97.1

TOTAL NUMBER OF OBSERVATIONS 1393

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

04763 PLAGE AFB N H/BURKHOUTH

56-70

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1956-1966

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.5	51.0	52.3	52.7	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7
≥ 20000	51.1	53.7	55.3	55.6	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.7
IVM 18000	51.3	53.8	55.4	55.8	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.8
IVM 16000	51.5	54.1	55.6	56.0	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.1
IVM 14000	52.5	55.1	56.7	57.1	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.1
IVM 12000	53.6	56.2	57.7	58.1	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.2
IVM 10000	55.8	58.4	60.0	60.4	61.1	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.8	62.0
IVM 9000	56.8	59.4	61.0	61.4	62.1	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	63.0
IVM 8000	57.6	60.2	61.8	62.2	62.9	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6	63.8
IVM 7000	58.0	60.6	62.2	62.6	63.3	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.2
IVM 6000	58.9	61.5	63.1	63.5	64.2	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9	65.1
IVM 5000	60.4	63.0	64.6	65.0	65.7	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.4	66.6
IVM 4500	61.4	64.0	65.6	66.0	66.7	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4	67.6
IVM 4000	62.7	65.3	66.9	67.3	68.0	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.7	68.9
IVM 3500	63.4	66.0	67.6	68.0	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.6
IVM 3000	65.2	67.8	69.4	69.8	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.4
IVM 2500	67.2	70.0	71.6	72.0	72.7	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.4	73.6
IVM 2000	68.0	70.8	72.4	72.8	73.5	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.2	74.4
IVM 1800	68.6	71.4	73.0	73.4	74.1	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8	75.0
IVM 1500	69.2	72.0	73.6	74.0	74.7	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.4	75.6
IVM 1200	69.7	72.5	74.1	74.5	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.9	76.1
IVM 1000	69.9	72.7	74.3	74.7	75.4	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.3
IVM 900	69.9	72.7	74.3	74.7	75.4	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.3
IVM 800	69.9	72.7	74.3	74.7	75.4	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.3
IVM 700	69.9	72.7	74.3	74.7	75.4	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.3
IVM 600	70.0	72.8	74.4	74.8	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.4
IVM 500	70.0	72.8	74.4	74.8	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.4
IVM 400	70.0	72.8	74.4	74.8	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.4
IVM 300	70.0	72.8	74.4	74.8	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.4
IVM 200	70.0	72.8	74.4	74.8	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.4
IVM 100	70.0	72.8	74.4	74.8	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.4
IVM 0	70.0	72.8	74.4	74.8	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.4

TOTAL NUMBER OF OBSERVATIONS 1388

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 04742 PLASS AFB N 41/BRITCOUTH YEARS 56-70 EC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET:	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.9	49.1	49.8	50.5	50.8	50.9	51.3	51.5	51.5	51.5	51.6	51.6	52.0	52.0	52.2	52.3
IV 20000	47.3	50.6	51.5	52.1	52.5	52.5	52.9	53.2	53.2	53.2	53.3	53.3	53.6	53.6	53.8	53.9
IV 18000	47.5	50.8	51.7	52.3	52.7	52.8	53.2	53.4	53.4	53.4	53.5	53.5	53.8	53.8	54.1	54.1
IV 16000	48.1	51.4	52.4	53.0	53.4	53.5	53.9	54.1	54.1	54.1	54.2	54.2	54.6	54.6	54.8	54.8
IV 14000	49.0	52.3	53.3	54.0	54.6	54.6	54.8	55.1	55.1	55.1	55.1	55.1	55.5	55.5	55.7	55.8
IV 12000	50.3	53.8	54.8	55.4	55.8	55.8	56.2	56.5	56.5	56.5	56.6	56.6	56.9	56.9	57.1	57.2
IV 10000	52.8	56.6	57.8	58.4	58.8	58.9	59.3	59.5	59.5	59.5	59.6	59.6	59.9	59.9	60.2	60.3
IV 9000	53.3	57.2	58.4	59.0	59.4	59.4	59.9	60.1	60.1	60.1	60.1	60.1	60.5	60.5	60.8	60.9
IV 8000	55.4	59.6	60.8	61.4	61.8	61.9	62.3	62.5	62.5	62.5	62.6	62.6	62.9	62.9	63.2	63.3
IV 7000	56.6	61.1	62.3	63.1	63.3	63.4	64.0	64.2	64.2	64.2	64.3	64.3	64.7	64.7	64.9	65.0
IV 6000	57.9	62.9	64.2	65.0	65.3	65.6	66.0	66.2	66.2	66.2	66.3	66.3	66.7	66.7	67.0	67.0
IV 5000	59.2	64.8	66.1	67.5	68.2	68.2	68.7	68.9	68.9	68.9	69.0	69.0	69.3	69.3	69.6	69.7
IV 4500	60.1	66.2	68.0	69.1	69.8	69.9	70.3	70.5	70.5	70.5	70.6	70.6	71.0	71.0	71.3	71.3
IV 4000	60.8	67.0	68.7	70.1	70.8	71.0	71.4	71.6	71.6	71.6	71.7	71.7	72.0	72.0	72.4	72.4
IV 3500	62.1	68.5	70.3	71.6	72.3	72.5	72.9	73.1	73.1	73.1	73.2	73.2	73.5	73.5	73.8	73.9
IV 3000	64.3	71.3	73.3	74.8	75.5	75.6	76.1	76.3	76.3	76.3	76.4	76.4	76.8	76.8	77.1	77.1
IV 2500	65.7	73.0	75.1	76.6	77.6	77.6	78.4	78.7	78.7	78.7	78.8	78.8	79.1	79.1	79.4	79.5
IV 2000	67.4	75.3	77.7	80.1	81.3	81.3	82.2	82.4	82.4	82.4	82.5	82.5	82.9	82.9	83.2	83.2
IV 1800	67.9	75.7	77.9	80.3	81.7	81.9	82.6	82.9	82.9	82.9	82.9	82.9	83.3	83.3	83.6	83.7
IV 1500	67.8	76.3	78.6	81.0	82.6	82.8	83.5	83.7	83.8	83.8	83.9	83.9	84.3	84.3	84.6	84.7
IV 1200	68.2	76.9	79.6	82.1	83.9	84.6	85.4	85.7	85.9	85.9	86.0	86.0	86.4	86.4	86.7	86.7
IV 1000	68.2	77.0	79.6	82.4	84.4	85.1	85.9	86.2	86.3	86.3	86.7	86.7	87.1	87.1	87.4	87.5
IV 900	68.3	77.1	79.7	82.7	83.0	83.7	86.6	87.0	87.2	87.2	87.5	87.5	87.8	87.8	88.1	88.2
IV 800	68.3	77.4	80.1	82.2	83.7	84.3	87.5	88.0	88.2	88.4	88.8	88.8	89.2	89.2	89.5	89.5
IV 700	68.5	77.7	80.6	83.8	86.6	87.5	88.6	89.0	89.4	89.6	90.2	90.2	90.7	90.7	91.0	91.0
IV 600	68.5	78.0	81.1	84.4	87.3	88.3	89.5	90.2	90.7	91.0	91.6	91.6	92.1	92.1	92.4	92.5
IV 500	68.5	78.2	81.3	85.2	88.7	90.0	91.3	92.0	92.5	92.9	93.5	93.5	94.1	94.1	94.3	94.4
IV 400	68.5	78.3	81.8	85.5	89.3	90.6	92.1	92.0	92.4	92.4	92.8	92.8	93.6	93.7	94.0	94.1
IV 300	68.5	78.3	81.8	85.6	89.3	90.8	92.7	92.5	92.9	92.8	93.2	93.2	94.2	94.2	94.4	94.4
IV 200	68.5	78.3	81.8	85.6	89.3	90.8	92.9	92.8	93.2	93.1	93.2	93.2	94.4	94.4	94.6	94.6
IV 100	68.5	78.3	81.8	85.6	89.3	90.8	92.9	92.8	93.2	93.1	93.2	93.2	94.7	94.7	94.9	94.9
IV 0	68.5	78.3	81.8	85.6	89.3	90.8	92.9	92.8	93.2	93.1	93.2	93.2	94.7	94.7	94.9	94.9

TOTAL NUMBER OF OBSERVATIONS 1345

PART D

SKY COVER

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

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

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

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

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

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

SKY COVER

04743
 STATION

PEASE AFB N H/PORTSMOUTH
 STATION NAME

56-70
 PERIOD

ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	26.2	6.1	4.9	4.4	2.9	1.9	2.4	3.9	5.2	3.1	41.1	5.7	10407
FEB		23.0	5.2	4.5	4.2	3.7	2.6	3.2	3.6	4.5	3.4	41.8	5.8	9477
MAR		19.6	5.1	4.9	4.4	3.4	2.9	2.9	4.2	5.6	4.5	42.3	6.1	10409
APR		18.9	5.5	5.2	4.1	3.2	3.0	3.1	4.6	5.4	4.3	42.6	6.1	10907
MAY		16.4	5.5	5.5	5.7	4.0	4.0	3.9	5.2	6.7	4.7	40.2	6.2	11120
JUN		12.8	5.4	5.9	5.7	4.9	3.9	3.9	6.2	7.5	4.7	39.4	6.2	10790
JUL		12.1	5.1	6.2	6.0	5.0	5.0	4.8	6.6	7.8	5.2	38.7	6.2	11148
AUG		16.6	6.2	7.2	6.9	5.0	4.2	4.4	5.5	6.7	4.8	31.7	5.7	11153
SEP		21.9	6.4	5.8	5.2	4.0	3.2	3.8	4.7	6.2	4.6	32.9	5.5	10794
OCT		25.2	6.0	5.8	6.0	3.2	3.1	3.2	4.4	5.5	4.7	32.2	5.2	11181
NOV		17.2	4.8	4.6	4.1	3.1	3.9	3.9	4.6	5.1	4.1	40.8	6.2	10794
DEC		21.8	5.2	5.2	4.6	3.2	3.2	2.6	3.9	4.2	3.2	42.6	6.0	11122
TOTALS		29.1	5.0	5.2	5.0	3.9	3.2	3.4	4.8	5.9	4.2	39.4	6.0	129028

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

SKY COVER

04743
 STATION

PEASE AFB N H/PORTSMOUTH
 STATION NAME

57-70
 PERIOD

FEB
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	35.0	4.4	3.7	3.6	2.9	1.9	2.4	2.4	3.3	1.4	38.9	5.0	1184
	03-05	34.4	3.4	4.1	2.6	1.9	1.4	2.2	3.3	3.7	1.3	41.9	5.3	1185
	06-08	19.8	6.9	4.3	3.9	3.0	2.3	3.1	3.3	3.2	3.6	43.9	6.1	1185
	09-11	17.0	6.0	3.9	4.4	3.9	3.0	3.0	4.3	3.3	4.8	43.3	6.4	1185
	12-14	15.0	4.6	3.7	3.3	3.2	3.3	3.3	4.6	3.2	6.8	42.6	6.3	1183
	15-17	15.2	3.9	4.6	4.6	4.3	3.9	4.1	4.4	6.3	4.4	42.2	6.3	1185
	18-20	20.4	3.7	6.9	3.0	3.6	3.0	4.3	3.3	4.3	3.0	40.0	3.8	1185
	21-23	31.3	4.6	3.1	4.1	3.6	2.7	2.6	2.7	2.0	1.6	39.3	3.2	1185
TOTALS		227.9	31.2	47.2	42.8	31.7	21.6	31.2	37.6	47.3	31.4	411.8	5.8	9477

2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

04769 PEASE AFB N H/PORTSMOUTH
 STATION STATION NAME

57-70
 PERIOD

MAR
 MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	29.6	4.3	4.2	3.7	3.1	1.6	3.0	2.9	3.2	2.3	39.5	3.4	1300
	03-05	29.7	4.3	3.1	3.5	2.9	1.6	3.2	3.7	3.3	2.8	39.5	3.4	1301
	06-08	18.7	3.9	3.3	3.5	2.6	2.6	3.3	3.0	7.6	4.8	43.3	6.4	1301
	09-11	12.2	4.8	3.1	4.1	3.3	3.3	1.9	3.8	7.2	3.8	43.3	6.7	1302
	12-14	12.6	4.3	3.6	4.7	3.3	2.8	3.1	6.1	6.0	6.3	43.8	6.8	1302
	15-17	14.0	3.2	4.2	4.7	4.3	3.3	2.5	3.2	6.7	7.4	44.1	6.8	1300
	18-20	16.9	3.7	3.5	6.3	4.3	3.8	3.3	4.6	4.9	4.2	39.9	6.0	1302
	21-23	28.4	3.3	6.1	4.3	3.4	3.8	2.9	2.8	3.4	2.2	41.0	3.3	1301
TOTALS		17.8	3.1	4.9	4.5	2.9	3.9	2.9	4.8	3.8	4.2	42.3	6.1	10409

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

04743 PEASE AFB N H/PURTSMOUTH
 STATION STATION NAME

56-70
 PERIOD

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	29.7	2.9	2.5	3.9	2.9	2.4	2.5	2.9	2.7	2.0	38.6	5.2	1395
	03-05	18.9	2.9	6.2	6.5	3.2	3.9	4.2	5.2	5.6	2.9	38.0	5.8	1395
	06-08	14.0	2.9	4.2	4.4	4.0	2.4	3.6	4.9	7.8	5.4	43.2	6.6	1395
	09-11	10.4	2.9	2.1	6.9	2.2	5.2	2.1	6.0	6.8	2.7	40.6	6.6	1395
	12-14	7.2	4.6	4.4	6.5	4.9	2.2	4.1	6.4	10.2	6.2	39.9	6.9	1390
	15-17	6.4	2.5	2.7	6.1	2.2	2.0	2.2	6.5	7.7	6.8	41.2	6.9	1392
	18-20	6.4	6.2	6.0	6.4	2.0	4.2	2.8	2.2	6.2	2.8	42.0	6.4	1394
	21-23	22.1	6.1	6.8	2.4	2.2	2.9	2.2	2.9	4.2	2.7	38.2	5.2	1395
TOTALS		19.2	2.7	2.2	2.7	2.2	2.2	2.9	2.2	6.7	4.7	40.2	6.2	11120

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70

PERIOD

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	29.0	3.9	6.1	6.1	4.5	2.5	2.8	3.8	5.0	2.3	34.0	5.1	1347
	03-05	14.4	7.2	7.0	6.2	4.7	3.9	3.8	6.0	6.4	3.8	36.7	5.9	1330
	06-08	12.8	6.2	5.3	5.7	4.2	2.6	3.4	4.7	6.6	4.4	42.9	6.4	1349
	09-11	8.7	5.5	6.0	5.3	5.2	4.3	4.4	7.1	7.3	4.6	41.7	6.7	1390
	12-14	4.2	4.4	3.3	3.0	3.9	3.0	3.9	9.6	10.4	6.1	42.0	7.2	1330
	15-17	2.9	4.3	6.1	6.2	3.9	3.9	4.5	6.9	9.2	6.4	40.9	7.0	1330
	18-20	7.4	5.9	6.1	3.2	4.0	2.8	4.7	3.6	3.5	7.1	41.7	6.8	1347
	21-23	19.4	3.9	6.9	6.0	3.0	3.2	3.8	3.6	6.5	3.0	38.0	5.6	1347
TOTALS		12.9	3.4	5.3	3.7	4.3	3.9	3.7	6.2	7.3	4.7	39.4	6.2	10790

USE ETAC FORM 6-63 (DA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

04743
 STATION

PEASE AFB N H/PURYSMOUTH
 STATION NAME

56-70
 PERIOD

OCT
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	39.5	4.1	4.0	3.8	2.2	1.8	2.4	3.4	2.2	2.5	34.1	4.6	1393
	03-05	36.1	5.2	5.6	3.8	2.7	2.7	3.5	3.6	3.6	2.4	30.8	4.6	1395
	06-08	20.1	7.0	6.5	5.1	3.2	3.6	3.6	4.2	6.2	6.2	34.0	5.6	1393
	09-11	16.1	6.5	6.1	5.6	4.2	3.2	3.2	4.1	7.4	5.9	29.7	5.9	1394
	12-14	14.4	6.7	6.0	5.2	4.5	4.9	3.9	6.2	8.7	6.2	22.1	6.0	1394
	15-17	12.7	7.0	6.9	5.2	4.5	4.3	3.4	5.6	6.9	6.8	22.7	5.9	1394
	18-20	26.3	7.2	6.4	5.2	3.9	2.2	3.1	4.7	5.0	4.6	21.4	5.1	1395
	21-23	24.2	6.7	4.5	3.1	2.4	2.1	3.2	3.2	3.9	2.8	22.9	4.8	1393
TOTALS		22.2	6.8	5.8	4.8	3.5	2.1	3.3	4.4	5.5	4.7	22.2	5.2	11151

USAF ETAC FORM 6-56 (6-56) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

04743 STATION PEASE AFB N H/PORSMOUTH STATION NAME 56-70 PERIOD NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	26.5	3.7	3.9	2.8	2.0	1.3	2.4	3.2	3.2	3.0	47.9	6.0	1349
	03-05	28.0	2.8	3.3	3.9	2.1	3.0	2.2	3.0	3.4	2.3	46.0	5.9	1349
	06-08	12.2	6.2	4.8	4.1	3.1	3.3	3.0	5.2	5.6	5.0	47.5	6.8	1348
	09-11	8.5	5.1	4.9	4.7	3.4	4.2	2.7	5.6	6.5	6.1	48.3	7.1	1349
	12-14	7.2	3.3	2.5	4.8	3.0	3.4	4.4	6.3	6.4	6.2	47.5	7.2	1350
	15-17	8.0	6.4	3.0	4.6	3.8	3.3	2.8	5.6	7.8	3.8	45.9	7.0	1350
	18-20	21.1	6.5	5.3	4.4	3.7	2.1	2.4	3.3	4.2	2.2	44.9	6.0	1350
	21-23	27.1	2.7	4.2	3.2	3.1	3.7	2.8	4.2	3.2	2.1	46.0	5.9	1349
TOTALS		17.3	4.8	4.6	4.1	3.1	3.9	3.0	4.6	5.1	4.1	46.8	6.3	10796

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

04743
STATION

PEASE AFB N H/PURTSMOUTH
STATION NAME

56-70
PERIOD

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	30.5	4.9	4.2	3.3	2.4	1.0	1.9	2.9	3.9	1.4	43.6	5.5	1395
	03-05	23.0	3.7	3.4	3.4	1.0	2.3	2.7	2.6	3.2	1.5	42.5	5.4	1395
	06-08	20.1	5.4	6.0	5.0	3.9	3.1	2.2	3.8	4.7	2.7	43.1	6.0	1394
	09-11	13.0	3.7	6.4	4.9	3.8	2.2	2.3	3.1	3.8	3.0	43.2	6.5	1395
	12-14	12.4	3.1	5.0	3.2	3.7	3.2	4.2	3.8	6.3	3.3	43.9	6.6	1395
	15-17	12.3	6.6	6.4	4.9	4.8	3.1	3.1	4.5	3.4	3.2	43.5	6.4	1394
	18-20	24.2	3.8	3.3	3.6	3.4	1.7	2.3	3.8	2.6	2.9	42.1	5.7	1395
	21-23	28.1	3.0	3.4	4.4	2.4	1.4	2.0	2.7	2.2	1.4	44.9	5.6	1395
TOTALS		21.8	3.3	3.3	4.6	3.3	2.3	2.6	3.9	4.3	3.2	43.6	6.0	11188

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

PART E

PSYCHROMETRIC SUMMARIES

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

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

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

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

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

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC
 06743 PEASE AFB N H/PORTSMOUTH

56-70

DAILY TEMPERATURES

STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
100							.2						.0
95					.4	.9	1.5	.9					.3
90				.2	3.7	17.8	23.0	18.1	2.0				1.7
85				.5	3.7	17.8	23.0	18.1	6.4				6.0
80				1.1	10.8	34.4	48.8	41.9	16.4	3.2			13.4
75			.2	3.6	17.8	31.6	74.0	66.9	30.2	8.8	.2		21.7
70				6.3	31.0	69.8	90.3	88.6	53.6	16.8	1.1		30.6
65		.3	.7	10.7	47.7	86.2	97.4	96.8	72.0	32.9	3.3		38.2
60		.5	2.1	24.5	67.1	93.6	99.8	99.4	88.2	51.8	10.7	1.1	43.9
55	.5		3.1	40.4	83.4	98.2	100.0	100.0	97.8	74.4	24.7	2.8	53.4
50	1.8	2.8	13.6	61.7	94.6	99.8			100.0	90.1	44.0	7.7	60.8
45	6.2	7.6	29.7	82.8	98.3	100.0				97.4	85.8	14.6	68.0
40	18.0	21.0	56.0	87.3	99.8					94.4	83.1	32.3	76.3
35	38.1	44.8	81.3	99.8	100.0					98.8	96.0	30.3	84.8
30	61.2	68.1	95.2	100.0						100.0	99.3	70.8	91.6
25	76.7	83.3	98.4								100.0	83.6	93.3
20	88.2	92.9	99.3									95.3	98.1
15	93.2	97.7	100.0									98.1	99.3
10	98.8	99.3										99.6	99.8
5	99.3	100.0										99.8	99.9
0	100.0											100.0	100.0
MEAN	31.3	31.9	43.3	57.0	64.9	74.8	79.1	77.7	70.8	66.7	48.0	33.0	33.8
S. D.	9.303	8.808	7.716	6.229	5.478	4.383	3.133	2.000	1.787	1.692	1.623	1.934	19.276
TOTAL OBS.	483	478	430	441	463	480	468	483	480	483	480	483	4378

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC
 04743 PEASE APB N H/PORTSMOUTH
 STATION STATION NAME

56-70

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75							.4	.2					.1
70					.2	1.3	4.3	3.7	1.1				.9
65					.9	8.0	23.4	18.1	5.1				4.8
60					3.0	26.4	61.1	50.8	18.7				13.8
55				.2	8.2	53.8	88.4	79.8	37.6	6.7	.2		23.3
50				.7	28.6	85.8	98.3	95.9	63.6	17.8	3.8		33.7
45			.2	6.3	55.3	97.3	100.0	99.6	82.9	40.4	11.8	.4	42.2
40	.2	.8	2.1	27.2	80.4	100.0		100.0	94.7	61.3	22.4	2.6	56.4
35	2.5	2.3	10.6	34.0	93.7				99.8	83.4	41.8	7.3	59.8
30	4.4	3.3	20.3	69.8	99.4					91.0	52.0	11.6	63.8
25	10.9	10.1	38.0	86.4	99.8				100.0	93.7	68.4	20.4	70.2
20	23.8	24.8	66.4	98.2	100.0					99.6	87.8	36.8	79.0
15	36.3	40.3	84.1	99.3						100.0	96.9	33.9	83.1
10	52.4	87.0	93.1	100.0							99.3	71.3	90.0
5	70.4	71.6	97.3								100.0	83.8	94.1
0	83.1	86.1	98.8									93.8	97.0
-5	92.6	94.7	100.0									98.3	98.9
-10	97.2	98.7										99.6	99.6
-15	99.3	100.0										100.0	99.9
-20	99.8												100.0
-25	100.0												100.0
MEAN	13.5	16.1	26.8	39.7	43.3	53.3	60.8	59.2	52.0	42.3	33.7	20.6	36.6
S. D.	10.889	10.301	7.488	5.831	6.642	5.928	5.086	5.713	7.078	7.078	8.163	9.939	17.331
TOTAL OBS.	489	393	489	489	489	489	489	489	489	489	489	489	3378

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC
 04743 PEASE AFB N H/PORTSMOUTH

DAILY TEMPERATURES

56-70

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
85							.4						.0
80						2.0	4.5	3.7	1.3				1.0
75					1.1	11.6	21.5	16.6	5.6				4.8
70				.2	4.7	30.7	55.7	44.3	13.6	.4			13.0
65				.5	13.9	52.9	84.3	74.8	33.3	3.2			22.6
60				2.9	29.5	79.3	99.4	96.1	57.3	17.0	1.1		32.7
55			.3	9.3	50.8	93.8	100.0	99.6	80.2	35.9	4.9		40.7
50		.3	1.4	23.1	76.1	99.8		100.0	95.8	60.6	16.2	1.5	49.0
45	.5	1.0	4.1	46.9	94.8	100.0			100.0	81.1	32.4	3.9	56.6
40	3.5	2.8	21.0	77.8	99.1					95.3	57.8	11.8	63.2
35	11.5	13.4	49.8	97.1	100.0					99.4	79.6	23.9	73.9
30	30.0	32.7	76.0	99.8						100.0	94.9	43.4	82.1
25	48.7	53.2	91.3	100.0							98.7	63.2	88.6
20	65.8	70.6	97.3								100.0	80.2	93.2
15	81.3	86.3	98.8									91.8	96.7
10	92.6	94.4	99.8									97.6	98.8
5	97.5	98.3	100.0									99.4	99.6
0	99.1	100.0										99.8	99.9
-5	99.8											100.0	100.0
-10	100.0												100.0
MEAN	33.3	30.7	34.1	45.8	59.6	69.4	70.8	68.7	61.3	51.8	41.3	30.0	47.3
S. D.	9.278	9.010	7.881	6.718	7.789	6.966	6.371	5.977	7.621	7.623	7.738	9.377	10.093
TOTAL OBS.	439	379	436	441	469	430	409	409	430	469	430	409	3378

USAF ETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

04743 PEASE AFB N H/PORTSMOUTH 56-70
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56					87	95	89	90	83	84	70	52	
57	54	66	60	85	86	92	93	90	89	74	66	60	93
58	47	44	54	80	84	87	92	88	85	78	63	47	92
59	58	50	67	71	90	95	89	95	94	83	79	32	95
60	50	49	59	79	81	90	90	92	92	72	64	52	92
61	48	60	60	69	83	90	87	85	89	76	72	34	90
62	52	44	75	90	87	88	87	84	83	77	60	62	90
63	47	42	67	75	82	92	95	86	81	87	67	49	95
64	49	46	59	82	99	95	101	88	93	85	70	60	101
65	33	47	61	78	90	90	93	93	93	77	68	39	93
66		54	53	67	82	90	95	89	85	77	67	60	
67	58	54	63	79	80	93	87	86	81	81	69	39	93
68	46	44	60	74	77	90	93	90	82	83	59	33	93
69	42	42	54	77	87	91	91	92	92	75	57	39	92
70	44	54	50	78	87	87	92	93	90	76	63	60	93
MEAN	59.1	52.8	59.8	71.7	82.0	89.0	91.7	91.7	87.8	79.0	63.8	51.7	71.7
S. D.	4.788	7.071	6.718	6.117	6.180	6.111	5.883	5.844	4.758	4.468	4.788	4.784	6.117
TOTAL OBS.	489	489	489	489	489	489	489	489	489	489	489	489	489

USAF ETAC (FORM 6486) (10)

2
 DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE
 (FROM DAILY OBSERVATIONS)

04763
 STATION

PEASE AFB N H/PORTSMOUTH
 STATION NAME

59-70
 YEARS

YEARS

**WHOLE DEGREES FAHRENHEIT
 /BASED ON LESS THAN FULL MONTHS/**

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
58				78									MAX TEMP
59				21									DAYS
60	41												MAX TEMP
	30												DAYS
MEAN													
S. D.													
TOTAL OBS.													

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

04743 PRASE AFB N H/PORTSMOUTH
STATION STATION NAME

86-70 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56					33	44	51	52	37	30	17	2	
57	-10	7	17	20	27	40	54	47	39	33	12	12	-10
58	3	-4	23	28	33	42	53	52	40	28	15	2	-4
59	-2	-3	16	27	38	45	50	50	39	27	17	9	-3
60	3	17	7	24	30	40	54	50	39	28	21	1	1
61	-10	-7	11	29	33	44	49	46	38	28	24	5	-10
62	-1	-7	4	23	35	47	48	51	32	25	28	-5	-7
63	3	-6	11	27	34	47	51	48	39	31	24	-6	-6
64	-4	1	10	19	32	44	53	49	38	33	19	2	-4
65	-10	3	13	20	37	45	47	40	35	29	19	6	-10
66		-8	10	27	29	44	49	48	36	23	21	9	
67	2	-9	0	24	31	42	54	50	40	29	18	3	-9
68	-12	-4	9	27	33	47	52	47	39	32	20	-9	-12
69	0	0	8	18	24	44	48	51	37	24	16	-1	0
70	-8	3	13	23	30	44	54	53	43	28	20	3	-8
MEAN	32.4	32.7	33.0	33.3	33.6	33.9	34.2	34.5	34.8	35.1	35.4	35.7	36.0
S.D.	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
TOTAL OBL.	100	100	100	100	100	100	100	100	100	100	100	100	100

USAF ETAC FORM 0-04 (04)

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME

56-70 YEARS

**WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/**

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
56				27 21									MIN TEMP DAYS
60	-2 20												MIN TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 56-70 STATION STATION NAME YEARS MONTH ALL

PAGE 1 ALL
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									
102/101															.0			1	1											
100/99																.0		2	2											
98/97															.0		4	4												
96/95										.0	.0	.0	.0	.0	.0		29	29												
94/93								.0	.0	.0	.0	.0	.0	.0	.0		59	59												
92/91							.0	.0	.0	.0	.0	.0	.0	.0	.0		107	107												
90/89					.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0		257	257												
88/87					.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0		372	372												
86/85				.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0		690	690												
84/83				.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0		946	946												
82/81			.0	.0	.1	.1	.2	.2	.1	.1	.0	.0	.0	.0	.0		1139	1139	1											
80/79			.0	.1	.2	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0		1574	1574	14	1										
78/77		.0	.0	.1	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0		1839	1839	118	4										
76/75		.0	.2	.2	.3	.3	.2	.2	.2	.1	.0	.0	.0	.0	.0		2274	2274	436	31										
74/73	.0	.1	.3	.3	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0		2709	2709	931	171										
72/71	.0	.2	.4	.4	.4	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0		3131	3131	1639	422										
70/69	.0	.3	.6	.5	.4	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0		3702	3702	2349	1254										
68/67	.1	.6	.8	.5	.4	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0		4202	4202	3182	1906										
66/65	.1	.6	.8	.6	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0		4540	4543	4162	2760										
64/63	.2	1.0	.8	.6	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0		4591	4592	4220	3743										
62/61	.1	1.1	.7	.6	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0		4576	4576	3152	4146										
60/59	.2	1.2	.7	.5	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0		4795	4795	3233	4688										
58/57	.2	1.1	.7	.5	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0		4361	4361	3570	4632										
56/55	.3	1.2	.7	.5	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0		4573	4573	3400	5036										
54/53	.2	1.2	.6	.5	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0		4432	4432	4679	4788										
52/51	.3	1.1	.7	.4	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0		4248	4248	4771	5103										
50/49	.2	1.0	.8	.5	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0		4273	4273	4360	4450										
48/47	.2	1.0	.7	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0		4069	4069	4468	4823										
46/45	.2	1.0	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0		4023	4026	4377	4382										
44/43	.2	.9	.7	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0		4104	4104	4227	4823										
42/41	.3	1.0	.7	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		4113	4113	4389	5007										
40/39	.3	1.0	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		4613	4613	4681	4626										
38/37	.3	1.2	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		4683	4683	4562	5034										
36/35	.3	1.1	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		4882	4882	4267	4161										
Elcment (X)																														
Rel. Hum.																														
Dry Bulb																														
Wet Bulb																														
Dew Point																														
No. Obs.																														
Mean No. of Hours with Temperature																														
≥ 0 F																														
≥ 32 F																														
≥ 67 F																														
≥ 73 F																														
≥ 80 F																														
≥ 93 F																														
Total																														

USAFETAC FORM 0-26-5 (O.L.A.) REVERSE SIDE OF THIS FORM ARE CHECKS

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

50-70

YEARS

ALL MONTH

PAGE 2

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B.-W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
34/33	.4	1.6	1.3	.6	.1													5120	5120	5550	4211
32/31	.3	1.3	1.1	.5	.1													4252	4252	5545	4766
30/29	.2	1.2	1.1	.5	.0													4022	4022	4734	4633
28/27	.2	1.0	1.1	.3	.0													3365	3365	4290	4443
26/25	.2	.9	1.0	.2	.0													2958	2958	3791	4362
24/23	.2	.8	.8	.1														2382	2382	3360	4031
22/21	.2	.8	.7	.1	.0													2223	2223	2862	3657
20/19	.1	.8	.6	.0														2055	2068	2378	3255
18/17	.1	.7	.5	.0	.0													1713	1725	2176	3132
16/15	.1	.7	.3	.0														1468	1475	1886	2906
14/13	.1	.6	.2															1162	1166	1520	2530
12/11	.1	.6	.1															1088	1061	1289	2286
10/9	.1	.6	.1															944	947	1118	2044
8/7	.1	.6	.0															619	631	866	1792
6/5	.0	.3	.0															492	502	622	1728
4/3	.0	.3	.0															400	402	489	1684
2/1	.0	.2	.0															259	261	383	1185
0/-1	.0	.1	.0															166	166	213	961
-2/-3	.0	.1																116	116	165	610
-4/-5	.0	.0																81	81	99	714
-6/-7	.0	.0																52	52	62	508
-8/-9	.0	.0																36	36	40	481
-10/-11	.0	.0																21	21	34	420
-12/-13	.0	.0																4	4	4	368
-14/-15	.0	.0																4	4	3	211
-16/-17	.0																	1	1	2	166
-18/-19																					132
-20/-21																					56
-22/-23																					78
-24/-25																					61
-26/-27																					29
-28/-29																					22
-30/-31																					6

USAFETAC FORM 0-26-5 (OL A) 1-64 BRASS REVISIONS REMOVED OF THIS YEAR ARE OMITTED

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

JAN

STATION

STATION NAME

YEARS

MONTH

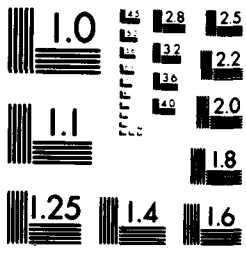
PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
58/ 57		.0					.0	.0										7	7																
56/ 55	.0			.0	.0	.0		.0										5	5	3	3														
54/ 53	.0	.0	.0	.0	.0		.0											12	12	4	1														
52/ 51	.0	.0	.0	.0		.0		.0										16	16	9	9														
50/ 49	.0	.0	.1		.0	.0	.0											21	21	4	5														
48/ 47	.1	.1	.0	.0	.1	.0	.0											37	37	26	10														
46/ 45	.1	.1	.0	.1	.2	.1												63	63	42	23														
44/ 43	.1	.3	.0	.2	.1	.0												84	84	37	26														
42/ 41	.2	.5	.2	.5	.3	.1												171	171	65	40														
40/ 39	.5	.9	.5	.7	.2	.0												302	302	155	116														
38/ 37	.3	1.1	1.0	1.2	.2	.0												398	398	199	108														
36/ 35	.5	1.6	1.8	.7	.1	.0												493	493	310	187														
34/ 33	.7	3.4	2.1	1.0	.1													764	764	527	201														
32/ 31	.8	2.7	2.2	1.0	.1													706	706	783	373														
30/ 29	.7	3.4	2.4	.9	.0													767	767	678	345														
28/ 27	.6	2.8	2.8	.8	.0													696	696	773	305														
26/ 25	.9	2.5	2.4	.5														613	613	687	316														
24/ 23	.5	2.4	2.3	.3														587	587	654	277														
22/ 21	.4	2.8	2.5	.1														608	608	667	312														
20/ 19	.6	3.0	2.7	.9														653	653	639	301														
18/ 17	.4	3.1	2.1		.0													591	594	677	487														
16/ 15	.7	2.0	1.6	.0														562	563	629	309														
14/ 13	.3	2.5	1.2															421	422	529	312														
12/ 11	.6	2.3	.9															398	400	488	492														
10/ 9	.4	3.1	.4															410	411	469	486														
8/ 7	.3	2.0	.2															264	265	374	472														
6/ 5	.3	1.9	.0															223	223	265	309														
4/ 3	.2	1.8	.0															174	174	221	427														
2/ 1	.2	.9																120	120	174	413														
0/ 0	.2	.6																78	78	102	361														
02/ 03	.2	.3																53	53	81	330														
04/ 05	.1	.2																38	38	37	295														
06/ 07	.1	.2																28	28	39	211														
08/ 09	.1	.2																26	26	28	283														
Element (X)	2x				X		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 (01A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 57-70 JAN
STATION STATION NAME YEARS MONTH

PAGE 2 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
10/11	.1	.1																															21	21	30	171	
12/13	.0	.0																															4	4	4	156	
14/15	.0	.0																														4	4	3	107		
16/17	.0																															1	1	3	68		
18/19																																				34	
20/21																																				36	
22/23																																				34	
24/25																																				22	
26/27																																				13	
28/29																																				13	
30/31																																				5	
TOTAL	10.7	49.5	29.7	8.2	1.6	.3	.1	.0	.0																									10419	10400		
																																		10402	10402		

Element (X)	Σ X²	Σ X	X̄	s²	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	424000	22000	42.0	17.78	1000							344
Dry Bulb	424000	22000	42.0	17.78	1000	18.1	574.8					344
Wet Bulb	424000	22000	42.0	17.78	1000	22.7	448.9					344
Dew Point	424000	22000	42.0	17.78	1000	148.2	448.9					344

USAFETAC FORM 0-24-5 (OL A) SERIES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06763 PRASE AFB N H/PORTSMOUTH 57-70 FEB
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
60/60						.0												2	2	
60/61					.0	.0												2	2	
62/61					.0													1	1	
60/59					.0	.0												3	3	
58/57					.0													1	1	2
58/55					.0													1	1	2
54/53		.0	.0	.0	.0	.0											16	16	3	
52/51		.0	.1	.1	.0	.0	.0										13	13	3	
50/49		.1	.1	.1	.0	.1	.0	.1	.0								39	39	9	
48/47	.1	.1	.1	.0	.1	.1	.1	.0									47	47	20	
46/45	.1	.2	.1	.2	.1	.1	.1	.0									71	71	32	
44/43	.1	.4	.1	.2	.4	.1	.1	.0									122	122	49	
42/41	.3	.4	.2	.3	.3	.1	.1	.0									168	168	63	
40/39	.3	.5	.3	.5	.4	.1	.1	.0									239	239	120	
38/37	.4	1.0	1.1	1.1	.4	.0											378	378	165	
36/35	.5	2.1	1.8	1.2	.3	.0											562	562	233	
34/33	.8	3.1	2.3	1.2	.2												715	715	370	
32/31	.9	2.6	2.2	1.2	.1												665	665	362	
30/29	.7	2.4	2.9	1.3	.1												709	709	425	
28/27	.7	2.7	2.9	1.0	.0												701	701	425	
26/25	.7	2.7	3.1	.8													698	698	441	
24/23	.7	2.9	2.9	.3													609	609	323	
22/21	.7	2.9	2.9	.4													578	578	324	
20/19	.4	2.8	2.3	.1													339	339	172	
18/17	.3	2.7	1.9	.0													483	487	287	
16/15	.3	2.4	1.3	.0													394	398	218	
14/13	.3	2.2	.9														326	327	179	
12/11	.3	2.3	.7														228	229	128	
10/9	.3	2.1	.3														269	269	149	
8/7	.2	2.1	.1														218	220	128	
6/5	.2	1.9	.0														158	163	119	
4/3	.1	1.3	.0														141	141	107	
2/1	.1	1.0	.0														100	102	100	
0/0	.0	.0	.0														0	0	0	

USAFETAC FORM 16 0-26-5 (OL A) REVERSE NUMERICAL SECTIONS OF THE FORM ARE OBSOLETE

57-75
 1044
 151

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

DATA STATION PEASE AFB N H/PORTSMOUTH STATION NAME 57-70 YEARS PEB MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
-2/-3	.0	.4																49	49	60	247			
-4/-5	.0	.2																29	29	37	237			
-6/-7	.0	.1																16	16	21	189			
-8/-9		.1																5	5	11	169			
-10/-11																				2	192			
-12/-13																					126			
-14/-15																					67			
-16/-17																					44			
-18/-19																					54			
-20/-21																					42			
-22/-23																					26			
-24/-25																					12			
-26/-27																					14			
-28/-29																					9			
-30/-31																					1			
TOTAL	9.7	75.7	10.4	2.8	.6	.1											9456	9479	9456	9452				

USAF/TAC FORM 6-36-5 (01-A) WEATHER SERVICE USE ONLY

Element (2)	S ₁	S ₂	S ₃	S ₄	No. Obs.	Mean No. of Hours with Temperature					Total	
Wet Bulb	10.4	75.7	10.4	2.8	9456	≤ 0 F	≤ 22 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	402
Dry Bulb	10.4	75.7	10.4	2.8	9456	≤ 0 F	≤ 22 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	402
Wet Bulb	10.4	75.7	10.4	2.8	9456	≤ 0 F	≤ 22 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	402
Dew Point	10.4	75.7	10.4	2.8	9456	≤ 0 F	≤ 22 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	402

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																	
76/ 75																																	2	2			
74/ 73																																		2	2		
72/ 71																																		1	1		
70/ 69																																		2	2		
68/ 67																																		3	3		
66/ 65																																		4	4		
64/ 63																																		8	8		
62/ 61																																		8	8		
60/ 59																																		20	20		
58/ 57																																		29	29	10	
56/ 55																																		40	40	9	6
54/ 53																																		72	72	9	4
52/ 51																																		109	109	12	3
50/ 49																																		162	162	41	2
48/ 47																																		179	179	83	27
46/ 45																																		262	262	86	27
44/ 43																																		447	447	145	45
42/ 41																																		521	521	268	90
40/ 39																																		791	791	394	169
38/ 37																																		1022	1022	622	190
36/ 35																																		1168	1168	1070	343
34/ 33																																		1200	1200	1200	609
32/ 31																																		960	960	1372	894
30/ 29																																		878	878	1108	840
28/ 27																																		633	633	947	760
26/ 25																																		522	522	806	721
24/ 23																																		322	322	647	670
22/ 21																																		262	262	522	672
20/ 19																																		211	211	394	707
18/ 17																																		144	144	262	478
16/ 15																																		102	102	192	361
14/ 13																																		79	79	167	461
12/ 11																																		44	44	74	268
10/ 9																																		21	21	44	227
Mean No. of Hours with Temperature																																					
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 44 0-24-5 (O.L.A.) REPRODUCED BY PERMISSION OF THE HEADQUARTERS AIR FORCE ENGINEERING CENTER
USAF ETAC

DATA PROCESSING DIVISION
 USAF STAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AIR N H/PORTSMOUTH 87-70 MAR
 STATION STATION NAME YEARS MONTH

PAGE 2 ALL
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 7		.2	.0															23	23	49	276
6/ 5		.1																19	18	26	262
4/ 3		.1																10	10	19	194
2/ 1		.0																5	5	10	127
0/ -1		.0																3	3	5	96
-2/ -3																				1	67
-4/ -5																					39
-6/ -7																					32
-8/ -9																					27
-10/ -11																					28
-12/ -13																					14
-14/ -15																					18
-16/ -17																					12
-18/ -19																					1
TOTAL	6.9	1.2	0.2	17.2	9.0	3.7	1.3	.5	.4	1.0								10410	10410	10410	10410

Element (Z)	Z ₁	Z ₂	Z ₃	Z ₄	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.					10410	≤ 0 F	≤ 32 F	≤ 67 F	≤ 72 F	≤ 80 F	≤ 93 F	Total
Dry Bulb					10410							264
Wet Bulb					10410							264
Dew Point					10410							264

USAP/TAC FORM 8-26-5 (OL A) REVISION 8-26-5 (OL A)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PRASE APR N H/PORTSMOUTH

30-70

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
90/ 89														.0				5	5				
88/ 87														.0				1	1				
86/ 85														.0				1	1				
84/ 83														.0				2	2				
82/ 81														.0				4	4				
80/ 79														.0				5	5				
78/ 77									.0	.0				.0				19	19				
76/ 75								.0	.0	.0				.0				19	19				
74/ 73								.0	.0	.1	.0			.0				28	28				
72/ 71					.0	.0		.0	.0	.0	.0			.0				26	26				
70/ 69				.0	.0	.1	.0	.1	.0	.1	.0			.0				38	38				
68/ 67			.0	.0	.0	.1	.1	.0	.1	.1	.0			.0				59	59				
66/ 65			.0	.0	.0	.1	.1	.2	.1	.1	.0			.0				61	61				
64/ 63			.1	.1	.2	.2	.2	.2	.2	.2	.1			.0				106	106	25			
62/ 61		.0	.1	.2	.2	.3	.3	.3	.3	.3	.2			.0				145	145	34			
60/ 59		.1	.2	.3	.3	.4	.4	.4	.4	.4	.3			.0				229	229	47			
58/ 57		.2	.3	.4	.4	.5	.5	.5	.5	.5	.4			.0				315	315	78	20		
56/ 55	.0	.3	.4	.5	.5	.6	.6	.6	.6	.6	.5			.0				321	321	140	41		
54/ 53	.1	.4	.5	.6	.6	.7	.7	.7	.7	.7	.6			.0				427	427	141	94		
52/ 51	.1	.5	.6	.7	.7	.8	.8	.8	.8	.8	.7			.0				480	480	222	126		
50/ 49	.3	.7	.8	.8	1.0	1.2	.7	.7	.7	.7	.6			.0				626	626	334	149		
48/ 47	.3	1.2	1.3	1.2	1.7	1.0	.9	.9	.9	.9	.8			.0				748	748	440	196		
46/ 45	.4	1.4	1.7	1.8	1.9	1.1	.9	.9	.9	.9	.8			.0				873	874	630	274		
44/ 43	.4	2.2	2.3	2.2	2.8	1.9	.7	.7	.7	.7	.6			.0				1047	1047	821	328		
42/ 41	1.1	3.0	3.3	3.0	3.9	2.6	.4	.4	.4	.4	.3			.0				1118	1118	1199	493		
40/ 39	1.4	3.5	3.7	3.7	4.7	3.2	.2	.2	.2	.2	.1			.0				1222	1222	1406	727		
38/ 37	.7	3.3	3.1	3.2	4.4	3.2								.0				839	839	1279	609		
36/ 35	.8	3.6	3.4	3.5	4.8	3.6								.0				826	826	1191	612		
34/ 33	.7	3.8	3.6	3.7	5.0	3.8								.0				873	873	941	603		
32/ 31	.1	1.6	1.6	1.6	2.8	2.1								.0				323	323	646	252		
30/ 29	.2	.9	.9	.9	1.9	1.4								.0				193	193	467	219		
28/ 27	.1	.4	.4	.4	1.4	1.0								.0				103	103	292	148		
26/ 25	.0	.1	.1	.1	1.0	.7								.0				28	28	127	707		
24/ 23	.0	.1	.1	.1	1.0	.7								.0				19	19	79	602		
Number (2)	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.																							
Dry Bulb																							
Wet Bulb																							
Dew Point																							
																	Mean No. of Hours with Temperature					Total	
																	≤ 0 F	≤ 22 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	

USAF/ETAC FORM 8-26-5 (OL A) PREPARED BY THE AIR WEATHER SERVICE

DATA PROCESSING DIVISION
 USAF STAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

00743 PEASE AFB N H/PORTSMOUTH 56-70 APR
 STATION STATION NAME YEARS MONTH
 PAGE 2 ALL
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
22/ 21		.0	.1															9	9	31	440		
20/ 19		.0	.0															10	10	18	289		
18/ 17		.0																2	2	19	212		
16/ 15																				5	172		
14/ 13																					145		
12/ 11																					104		
10/ 9																					74		
8/ 7																					75		
6/ 5																					68		
4/ 3																					43		
2/ 1																					17		
0/ -1																					7		
-2/ -3																					3		
TOTAL	6.5	22.5	19.7	15.5	12.6	9.1	5.3	2.1	1.4	.9	.2	.1	.1	.1				10003	10003	10003	10003		

Element (H)	No. Obs.						Mean No. of Hours with Temperature						
	5-9	10-14	15-19	20-24	25-29	30-31	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.	11	11	11	11	11	11							300
Dry Bulb	11	11	11	11	11	11		42.8	14.8	5.8	1.4		300
Wet Bulb	11	11	11	11	11	11		116.1					300
Dew Point	11	11	11	11	11	11		3.2	11.4				300

USAFSTAC FORM 0-36-5 (OL A) 1-65
 UNITED STATES GOVERNMENT PRINTING OFFICE: 1965 O 288-000

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

58-70

MAY

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B. W.B.	TOTAL																						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																									
100/ 99																				.0		1	1																						
98/ 97																						3	3																						
96/ 95																						4	4																						
94/ 93																						5	5																						
92/ 91																						3	3																						
90/ 89											.0											9	9																						
88/ 87												.0										22	22																						
86/ 85											.1	.1										42	42																						
84/ 83								.0	.0		.1	.1	.1									49	49																						
82/ 81								.0	.0	.1	.1	.1	.1	.1								74	74																						
80/ 79						.0	.0	.1	.1	.1	.1	.1	.1	.1	.1							103	103																						
78/ 77				.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						100	100	1																					
76/ 75			.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						147	147																						
74/ 73			.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						181	181	20	1																				
72/ 71		.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						222	222	48																					
70/ 69		.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						288	288	49	11																				
68/ 67		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						387	387	111	30																				
66/ 65	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						423	423	144	39																				
64/ 63		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						489	489	232	104																				
62/ 61	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						561	561	304	149																				
60/ 59	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						639	639	381	222																				
58/ 57	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						713	713	514	282																				
56/ 55	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						798	798	660	327																				
54/ 53	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						901	901	824	442																				
52/ 51	1.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						963	963	1000	694																				
50/ 49	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						922	922	1033	695																				
48/ 47	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						843	843	1142	807																				
46/ 45	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						784	784	1201	872																				
44/ 43	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						960	960	1093	906																				
42/ 41	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						829	829	877	624																				
40/ 39	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						801	801	606	482																				
38/ 37	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						176	176	288	221																				
36/ 35	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						79	79	262	406																				
34/ 33	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1						64	64	148	222																				
Stations (R)																																													
Rel. Hum.																																													
Dry Bulb																																													
Wet Bulb																																													
Dew Point																																													
No. Obs.																																													
Mean No. of Hours with Temperature																																													
≥ 6 F																																													
≥ 22 F																																													
≥ 67 F																																													
≥ 73 F																																													
≥ 80 F																																													
≥ 93 F																																													
Total																																													

FORM 52-13 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAF ETAC

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06762 PEASE AFB N H/PORTSMOUTH 50-70 MAY
STATION STATION NAME YEARS MONTH

PAGE 2 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
32/ 31		.0	.0															3	3	55	428				
30/ 29		.0																2	2	16	372				
28/ 27																				4	327				
26/ 25																					216				
24/ 23																					149				
22/ 21																					105				
20/ 19																					77				
18/ 17																					82				
16/ 15																					18				
14/ 13																					18				
12/ 11																					9				
10/ 9																					5				
8/ 7																					1				
TOTAL	3.1	22.9	18.9	12.2	2.0	9.2	7.8	5.8	3.8	2.0	1.2	.6	.2	.0	.0	.0		11160		11160	11160				

Element (E)	S ₁	S ₂	S ₃	S ₄	No. Obs.	Mean No. of Hours with Temperature						
						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	80.0	70.0	60.0	50.0	11160							
Dry Bulb	28.0	27.0	26.0	25.0	11160			169.8	48.7	17.9	.9	244
Wet Bulb	22.0	21.0	20.0	19.0	11160			5.0	18.2	1.4		244
Dew Point	18.0	17.0	16.0	15.0	11160			128.6	2.8	.1		244

USE AFATAC FORM NO. 6-26-5 (DL A) CHECK PREVIOUS EDITIONS OF THE FORM AND CIRCULARS

DATA PROCESSING DIVISION
 USAF BTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06763 PEASE AFB N H/PORTSMOUTH 56-70 JUN
 STATION STATION NAME YEARS MONTH
 PAGE 1 ALL
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
96/95									.0	.0		.0	.0					7	7																
95/93									.0	.0	.0	.0						11	11																
92/91								.0	.0	.0	.1	.0	.0					23	23																
90/89							.0	.1	.2	.1	.0	.0	.1	.0				80	80																
88/87					.0	.0	.1	.1	.3	.2	.1	.0	.0	.0				87	87																
86/85						.1	.1	.4	.4	.2	.1	.1	.1	.0				162	162																
84/83					.0	.2	.3	.4	.4	.4	.2	.1	.1	.0				220	220																
82/81				.0	.1	.4	.6	.8	.8	.8	.2	.1	.1					267	267																
80/79				.1	.2	.5	.5	.4	.5	.3	.2	.1						309	309	2															
78/77			.0	.2	.6	.6	.6	.6	.5	.4	.2	.0						389	389	18															
76/75		.0	.1	.4	.7	.6	.6	.5	.5	.2	.1	.0						415	415	49	2														
74/73		.1	.3	.8	.8	.7	.5	.5	.3	.2	.0							465	465	190	14														
72/71		.2	.8	1.1	.9	.7	.7	.4	.4	.1	.0	.0						574	574	248	51														
70/69	.1	.2	1.3	1.4	1.0	.7	.8	.6	.2	.1	.0							729	729	493	143														
68/67	.1	.9	1.4	1.2	1.0	1.0	.9	.9	.2	.1	.0							738	738	614	306														
66/65	.2	1.6	1.7	1.6	1.1	.9	.8	.3	.1	.0	.0							838	838	751	510														
64/63	.3	1.6	1.7	1.1	1.0	.7	.4	.1	.0	.0								762	762	942	724														
62/61	.2	1.7	1.6	1.3	1.1	.8	.3	.1	.0									725	725	930	706														
60/59	.2	2.0	1.6	1.4	1.1	.4	.2	.0										806	806	1012	771														
58/57	.2	2.6	1.9	1.1	.6	.2	.0	.0										811	811	1062	879														
56/55	1.0	3.8	1.8	1.0	.4	.1	.0											834	834	1248	1169														
54/53	.6	2.9	1.3	.6	.1	.0	.0											592	592	1138	1039														
52/51	.6	2.2	1.0	.4	.0	.0	.0											472	472	848	1096														
50/49	.2	1.8	.8	.1	.0													252	252	629	667														
48/47	.0	.7	.3	.0														112	112	346	751														
46/45	.2	.3	.1															69	69	218	604														
44/43	.1	.1	.0															26	26	66	439														
42/41		.0	.0															3	3	23	209														
40/39																				0	593														
38/37																				1	87														
36/35																					51														
34/33																					22														
32/31																					14														
30/29																					20														
Station (K)	2H	2H	H	%	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-24-5 (O.L.A.) PREVIOUS EDITIONS OBSOLETE
 USAF BTAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

JUL

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
102/101															.0			1	1					
100/99																.0		1	1					
98/97																		1	1					
96/95											.0	.0	.1					12	12					
94/93									.0	.0	.1	.1	.0					27	27					
92/91							.0	.0	.2	.2	.1	.1						66	66					
90/89					.0		.1	.3	.2	.2	.1	.0	.0					89	89					
88/87					.0	.1	.2	.3	.3	.3	.0	.1	.0					139	139					
86/85				.0	.0	.2	.3	.5	.4	.2	.1	.0	.0					231	231					
84/83				.0	.2	.3	.6	.6	.6	.3	.2	.1	.0					309	309					
82/81			.0	.2	.4	.5	.7	.5	.6	.3	.2	.0	.0					353	353	1				
80/79			.1	.4	.7	.8	.7	.6	.5	.2	.0	.0	.0					511	511	6	1			
78/77		.0	.3	.7	.9	.7	.8	.7	.9	.3	.2	.0	.0					603	603	54	3			
76/75		.1	.8	1.0	1.1	.9	.8	.8	.6	.2	.1	.0	.0					703	703	179	14			
74/73	.0	.5	1.1	1.4	1.3	1.0	1.0	.6	.4	.1	.0							838	838	347	70			
72/71	.0	1.0	1.3	1.6	1.2	.9	.7	.6	.2	.1								852	852	615	278			
70/69	.1	1.3	2.2	1.8	1.2	1.0	.6	.3	.1	.0								956	956	861	477			
68/67	.3	2.4	3.1	1.6	1.2	.6	.3	.1	.1									1120	1120	1001	686			
66/65	.8	3.2	2.6	1.8	1.1	.9	.2	.1										1136	1136	1401	994			
64/63	.6	3.7	2.6	1.6	.8	.2	.1	.0										923	926	1483	1229			
62/61	.3	3.9	1.9	1.3	.3	.1	.0											883	883	1343	1276			
60/59	.5	2.9	1.3	.9	.2	.1												648	648	1360	1311			
58/57	.2	1.4	.6	.3	.2	.0												312	312	1054	1178			
56/55	.2	.9	.5	.2	.0													204	204	618	1039			
54/53	.2	.4	.3	.1														107	107	328	799			
52/51	.0	.2	.2	.0														55	55	166	694			
50/49		.1	.0															18	18	87	428			
48/47		.1	.0															7	7	42	254			
46/45																				8	193			
44/43																					106			
42/41																					62			
40/39																					33			
38/37																					20			
36/35																					7			
Element (X)	ΣX^2	ΣX	Σ	σ_x	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																								

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

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB, N H/PORTSMOUTH

56-70

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B. W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	+31	Dry Bulb	Wet Bulb
96/ 95									.0	.0	.0	.0	.0				6	6		
94/ 93									.0	.1	.1	.0	.0				12	12		
92/ 91									.0	.1	.1	.0	.0	.0			29	29		
90/ 89								.0	.1	.2	.1	.0	.0	.0			50	50		
88/ 87						.0	.2	.1	.3	.1	.0	.0	.0				84	84		
86/ 85					.1	.2	.5	.3	.4	.2	.0	.1	.0				194	194		
84/ 83				.1	.6	.4	.3	.4	.3	.1	.0	.0					273	273		
82/ 81		.0	.1	.3	.6	.7	.6	.4	.2	.0	.0						328	328		
80/ 79		.0	.2	.7	.7	.9	.6	.4	.3	.1							439	439	2	
78/ 77		.2	.8	.6	.9	1.0	.7	.4	.2	.1							492	492	28	
76/ 75		.1	.6	1.0	1.1	1.0	.7	.6	.4	.3	.0						638	638	126	7
74/ 73		.6	.8	1.2	1.4	.7	.6	.7	.5	.2	.0						750	750	321	36
72/ 71	.0	.7	1.3	1.6	1.3	.9	.8	.8	.4	.0							867	867	496	200
70/ 69	.1	1.3	2.0	2.1	.9	.8	.9	.5	.2								980	980	689	412
68/ 67	.1	2.0	3.1	1.3	1.0	1.0	.4	.3	.0								1034	1034	1004	379
66/ 65	.4	2.7	2.8	1.6	1.1	.6	.3	.0									1067	1067	1278	813
64/ 63	.3	2.9	2.7	1.4	.7	.4	.1	.0									988	988	1354	1180
62/ 61	.5	2.5	2.1	1.3	.6	.2	.0	.1									911	911	1264	1263
60/ 59	.7	3.1	1.7	.9	.4	.1	.0										758	758	1388	1286
58/ 57	.5	2.0	1.2	.7	.1	.1	.0										808	808	1264	1188
56/ 55	.2	1.1	1.0	.3	.1	.0											308	308	800	984
54/ 53	.0	.8	.7	.2	.0	.0											196	196	469	801
52/ 51	.0	.5	.6	.0	.0												134	134	308	633
50/ 49	.0	.3	.2	.0	.0												62	62	189	617
48/ 47	.0	.2	.0	.0													27	27	118	458
46/ 45		.0	.0	.0													6	6	33	322
44/ 43			.0	.0													8	8	7	170
42/ 41			.0	.0													4	6	6	73
40/ 39			.0														1	1	9	31
38/ 37																			6	11
36/ 35																			1	14
34/ 33																				25
32/ 31																				7

Element (X)	Σ x ²	Σ x	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (01-A) REVERSE SERVICIOUS SERVICES OF THE FORM ARE OBSOLETE
USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

86-70

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93								.0										4		4	
92/ 91									.0								.0	6		6	
90/ 89						.0	.0	.0	.1	.1								24		24	
88/ 87						.1	.1	.1	.1	.0								38		38	
86/ 85					.0	.1	.1	.2	.1	.1								56		56	
84/ 83				.0	.1	.1	.2	.2	.1	.1	.0	.0						82		82	
82/ 81			.0	.1	.2	.2	.3	.2	.1	.2	.0	.0						99		99	
80/ 79			.0	.2	.3	.3	.3	.2	.2	.2	.0	.0					176	176		4	
78/ 77		.0	.1	.3	.2	.3	.3	.3	.2	.1							190	190	17	1	
76/ 75		.1	.3	.4	.4	.4	.3	.3	.2	.1							276	276	82	8	
74/ 73		.3	.6	.4	.5	.4	.3	.4	.3	.1	.0						394	394	113	30	
72/ 71	.0	.4	.9	.6	.7	.5	.4	.6	.4	.2	.0	.0					490	490	232	93	
70/ 69	.1	.8	1.0	.7	.6	.7	.9	.6	.1	.0							560	560	301	211	
68/ 67	.1	.9	1.2	.8	.8	.8	.7	.6	.1	.0							624	624	419	204	
66/ 65	.2	1.0	1.2	1.1	.8	.6	.6	.3	.2								711	711	470	368	
64/ 63	.3	2.0	1.4	1.3	1.0	.8	.6	.1	.0	.0							826	826	623	627	
62/ 61	.6	2.1	1.2	1.3	1.0	.8	.3	.1	.0								790	790	801	606	
60/ 59	.6	2.4	1.9	1.3	1.1	.7	.4	.1									907	907	862	620	
58/ 57	.4	2.7	1.8	1.3	.9	.5	.3	.0									872	872	934	705	
56/ 55	.8	2.7	2.0	1.2	.8	.6	.1	.0									842	842	1098	808	
54/ 53	.3	2.9	1.6	1.0	.3	.2	.1										744	744	961	673	
52/ 51	.3	2.4	1.4	.9	.3	.1	.0										588	588	992	892	
50/ 49	.4	2.0	1.6	.7	.1	.1											526	526	800	648	
48/ 47	.2	1.3	1.1	.4	.1	.0											348	348	668	664	
46/ 45	.1	1.2	.8	.1	.1												290	290	590	603	
44/ 43	.1	.8	.4	.1	.0												129	129	227	621	
42/ 41	.2	.9	.3	.1													116	116	221	326	
40/ 39	.2	.6	.1	.1													94	94	121	288	
38/ 37	.1	.2	.1														37	37	104	297	
36/ 35		.1	.0														16	16	46	220	
34/ 33	.0	.0															3	3	23	129	
32/ 31		.0															1	1	3	96	
30/ 29																				46	
28/ 27																				43	
Element (X)	S ₁		S ₂		X		e _a		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																					

FORM 0-26-5 (OL A) REVERSE VARIOUS SENSORS OF THE FORM AIR CONDUCIT
 USAFETAC JAN 64

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME

56-70 YEARS

SEP MONTH

PAGE 2

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
20/25																					21
24/28																					4
22/21																					2
TOTAL	5.4	27.9	21.0	14.4	10.4	8.1	6.1	3.9	2.0	.6	.2	.0						10800	10800	10800	

Element (X)	Z ₁	Z ₂	Y	C _z	No. Obs.	Mean No. of Hours with Temperature					Total		
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F	
Rel. Hum.	80	90	74.4	77.4	10000								
Dry Bulb	61	67	63.7	67.8	10000			1	100.3	87.1	26.9	3	780
Wet Bulb	54	60	57.8	61.2	10000			2	77.9	14.6	.1		780
Dew Point	48	54	51.6	53.1	10000			14.3	64.9	3.9			780

USAF/ETAC FORM 0-26-5 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

OCT

STATION

STATION NAME

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								
88/ 87																		.0						1	1				
86/ 85																		.0	.0						4	4			
84/ 83									.0	.0	.0	.0	.0				.0	.0	.0					7	7				
82/ 81									.0	.0	.0	.0	.0	.0			.0	.0	.0					12	12				
80/ 79								.0	.0	.1	.1	.0	.0	.0			.0	.0	.0					31	31				
78/ 77								.0	.0	.1	.1	.1	.0	.0			.0	.0	.0					43	43				
76/ 75				.0	.1	.1	.1	.1	.1	.1	.1	.0	.0				.0	.0	.0					72	72				
74/ 73				.0	.1	.1	.1	.2	.2	.2	.0	.0	.0				.0	.0	.0					84	84				
72/ 71			.0	.1	.1	.1	.2	.1	.1	.1	.1	.0					.0	.0	.0					95	95				
70/ 69		.0	.1	.1	.2	.2	.2	.2	.1	.0							.0	.0	.0					134	134	0			
68/ 67		.0	.2	.1	.1	.4	.4	.2	.3	.1	.0	.0					.0	.0	.0					207	207	33	1		
66/ 65	.0	.2	.3	.3	.4	.4	.4	.2	.1	.0	.0						.0	.0	.0					242	242	88	16		
64/ 63	.0	.3	.3	.6	.4	.5	.4	.3	.1	.0							.0	.0	.0					357	357	131	66		
62/ 61	.1	1.0	.7	.8	.6	.6	.6	.2	.0								.0	.0	.0					471	471	233	116		
60/ 59	.3	1.0	.8	.7	.8	.6	.6	.2	.0								.0	.0	.0					642	642	410	201		
58/ 57	.4	2.1	1.2	.9	.7	.9	.6	.2	.1								.0	.0	.0					794	794	534	329		
56/ 55	.7	2.1	1.2	1.2	1.1	1.1	.4	.1	.0								.0	.0	.0					870	870	648	336		
54/ 53	.6	2.3	1.4	1.3	1.1	.9	.5	.1									.0	.0	.0					919	919	743	348		
52/ 51	.6	2.1	1.6	1.4	1.1	.8	.2	.1									.0	.0	.0					876	876	782	627		
50/ 49	.4	2.2	2.1	1.6	1.1	.6	.2	.0									.0	.0	.0					914	914	822	662		
48/ 47	.4	2.2	1.8	1.4	1.1	.4	.0										.0	.0	.0					813	813	939	379		
46/ 45	.3	2.2	1.8	1.7	.8	.6	.0										.0	.0	.0					794	794	1072	771		
44/ 43	.3	1.6	1.6	1.1	.6	.1											.0	.0	.0					603	603	918	692		
42/ 41	.2	1.3	1.6	1.0	.6	.0											.0	.0	.0					310	310	769	726		
40/ 39	.3	1.2	1.3	1.3	.3	.0											.0	.0	.0					300	300	733	770		
38/ 37	.2	1.3	1.2	.7	.1												.0	.0	.0					494	494	384	679		
36/ 35	.1	1.2	1.1	.4	.0												.0	.0	.0					324	324	360	721		
34/ 33	.0	.7	1.0	.1	.0												.0	.0	.0					212	212	443	394		
32/ 31	.0	.6	.3	.1													.0	.0	.0					103	103	270	613		
30/ 29	.0	.4	.1	.0													.0	.0	.0					33	33	202	690		
28/ 27	.0	.2	.1	.0													.0	.0	.0					31	31	89	392		
26/ 25	.0	.1	.1														.0	.0	.0					19	19	22	292		
24/ 23	.0																.0	.0	.0					3	3	20	394		
22/ 21																	.0	.0	.0								128		

FORM 0-36-5 (O.L.A.) AIR WEATHER SERVICE USE ONLY

USAF ETAC

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH 16-70 OCT
STATION STATION NAME YEARS MONTH
PAGE 2 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
20/ 19																																				96	
18/ 17																																				88	
16/ 15																																				82	
14/ 13																																				74	
12/ 11																																				71	
10/ 9																																				7	
TOTAL	5.127.621.616.911.5	8.5	4.6	2.5	1.0	.4	.2	.1	.0										11199	11199	11199	11199															

Element (K)	ΣT	ΣH	ΣW	ΣP	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	
Dry Bulb	11199	11199	11199	11199	11199		14.8	66.0	16.0	2.7		100
Wet Bulb	11199	11199	11199	11199	11199		11.4	2.0				100
Dew Point	11199	11199	11199	11199	11199		13.4	.1				100

FORM 0-26-5 (OLA) REPRODUCED BY THE FORM AND CONTROL
 UNIT/AC

2

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04765 PEASE AFB N H/PORTSMOUTH 56-70 NOV
STATION STATION NAME YEARS MONTH

PAGE 2 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 7																					34
8/ 8																					27
4/ 8																					18
2/ 1																					10
0/ -1																					8
-2/ -3																					4
-4/ -5																					10
-6/ -7																					2
-8/ -9																					1
TOTAL	6.3	36.0	28.0	16.2	8.5	3.8	1.0	.3	.1	.0	.0							10799		10799	

Element (R)	2 nd	3 rd	4 th	5 th	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	≥ 70 F	≥ 75 F	≥ 80 F	≥ 85 F		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	10799	10799	10799	10799	10799		190.0	2.0	.0			720
Wet Bulb	10799	10799	10799	10799	10799		190.0	2.0	.0			720
Dew Point	10799	10799	10799	10799	10799		1.7	201.0				720

USAFETAC Form 0-26-3 (OLA) GROUP SERVICES DIVISION OF THE USAF AIR COMMAND

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS MONTH DEC

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																		
62/ 61									.0								2	2																					
60/ 59		.0	.1	.0	.0	.0		.0									24	24																					
58/ 57		.0	.0	.0	.0	.0		.0									17	17	3																				
56/ 55		.1	.1	.0	.1			.0									26	26	17																				
54/ 53	.0	.3	.1	.0	.0	.0		.0									54	54	20	12																			
52/ 51	.0	.2	.2	.1	.1	.1	.0	.0									78	78	56	39																			
50/ 49	.0	.3	.1	.1	.1	.1	.0	.0									85	85	45	38																			
48/ 47	.2	.2	.2	.2	.2	.0											117	117	83	60																			
46/ 45	.2	.7	.5	.2	.1	.1	.1										199	199	97	80																			
44/ 43	.2	.8	.9	.5	.2	.1	.1										297	297	148	64																			
42/ 41	.3	.9	.8	.7	.4	.1	.0										360	360	223	133																			
40/ 39	.4	1.2	1.1	1.0	.8	.0											484	484	311	174																			
38/ 37	.4	1.3	1.2	1.1	.8												507	507	348	226																			
36/ 35	.5	2.0	2.1	1.1	.2												657	657	488	297																			
34/ 33	.6	2.9	2.1	1.1	.2												775	775	674	356																			
32/ 31	.6	2.9	2.0	1.2	.1												829	829	817	481																			
30/ 29	.5	3.0	2.9	1.1	.1												859	859	776	502																			
28/ 27	.5	3.0	2.9	.8													845	845	886	589																			
26/ 25	.7	3.0	3.3	.6													850	850	900	698																			
24/ 23	.6	3.1	2.8	.2													717	717	898	572																			
22/ 21	.9	3.1	2.0	.2	.0												691	691	869	599																			
20/ 19	.4	2.9	1.8	.1													579	584	708	682																			
18/ 17	.4	2.6	1.1	.0	.0												460	463	602	694																			
16/ 15	.3	2.5	.8														414	430	541	604																			
14/ 13	.3	2.3	.4														329	331	418	609																			
12/ 11	.3	1.9	.1														245	256	385	584																			
10/ 9	.5	1.3	.1														228	250	297	619																			
8/ 7	.2	.8	.0														118	123	178	478																			
6/ 5	.2	.7	.0														96	99	109	463																			
4/ 3	.1	.6															73	75	82	363																			
2/ 1	.0	.3															24	24	39	269																			
0/ 0	.0	.2															27	27	27	281																			
58/ 58	.2	.8															18	18	23	199																			
56/ 56	.1	.7															14	14	21	118																			
Blowers (2)																																							
Sol. Num.																																							
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							
No. Obs.																																							
Mean No. of Hours with Temperature																																							
≤ 6 F																																							
≤ 32 F																																							
≥ 67 F																																							
= 73 F																																							
= 80 F																																							
= 93 F																																							
Total																																							

USAF ETAC FORM 0-26-3 (O.L.) REVISION 10-6-59

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS DEC MONTH
 PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
-6/-7	.0	.1																8	8	8	74					
-8/-9		.0																3	3	4	51					
-10/-11																				2	69					
-12/-13																					49					
-14/-15																					22					
-16/-17																					20					
-18/-19																					23					
-20/-21																					18					
-22/-23																					18					
-24/-25																					7					
TOTAL	10.4	5.9	0.0	10.4	2.5	.5	.1	.1	.0								1120	1160	1128	1128						

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH

87-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0300
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	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																			
58/ 91	.1	.1		.2														5	5	2	1																																																																																																																																																																																			
59/ 89																					1																																																																																																																																																																																			
48/ 47																					2																																																																																																																																																																																			
48/ 45	.1	.2																4	4	4	3																																																																																																																																																																																			
44/ 43		.1		.1														2	2	1	1																																																																																																																																																																																			
42/ 41	.4	.4	.1	.2														13	13	8	4																																																																																																																																																																																			
40/ 39	.2	1.1	.2	.2														22	22	15	9																																																																																																																																																																																			
38/ 37	.2	1.1	.7	.2														27	27	15	15																																																																																																																																																																																			
36/ 35	.8	2.3	1.2	.5														64	64	35	16																																																																																																																																																																																			
34/ 33	.5	3.8	1.2	.8														81	81	32	22																																																																																																																																																																																			
32/ 31	.9	3.8	1.8	.2														88	88	38	43																																																																																																																																																																																			
30/ 29	.7	3.5	2.5															87	87	30	48																																																																																																																																																																																			
28/ 27	1.2	2.2	1.9	.4														74	74	38	64																																																																																																																																																																																			
28/ 25	.7	2.2	1.4	.2														58	58	28	62																																																																																																																																																																																			
24/ 23	.7	3.7	1.7															79	79	61	53																																																																																																																																																																																			
22/ 21	.7	3.8	1.8															80	80	55	52																																																																																																																																																																																			
20/ 19	1.2	4.2	1.8															90	90	65	66																																																																																																																																																																																			
18/ 17	.5	4.1	1.0															72	72	60	65																																																																																																																																																																																			
16/ 15	.8	4.2	.9															77	77	75	66																																																																																																																																																																																			
14/ 13	.8	3.8	1.0															70	70	75	58																																																																																																																																																																																			
12/ 11	.8	3.8	.2															63	64	69	52																																																																																																																																																																																			
10/ 9	.3	4.3	.3															67	67	71	54																																																																																																																																																																																			
8/ 7	.2	2.4	.3															40	41	49	74																																																																																																																																																																																			
6/ 5	.4	2.7																40	40	33	87																																																																																																																																																																																			
4/ 3	.2	2.4																33	33	34	43																																																																																																																																																																																			
2/ 1	.2	1.0																16	16	30	61																																																																																																																																																																																			
0/ 0	.3	1.0																17	17	17	49																																																																																																																																																																																			
-2/ -2	.1	.8																11	11	14	69																																																																																																																																																																																			
-4/ -4	.8	.2																10	10	14	65																																																																																																																																																																																			
-6/ -6	.1	.2																4	4	5	31																																																																																																																																																																																			
-8/ -8		.2																3	3	2	16																																																																																																																																																																																			
-10/ -10	.2	.1																3	3	3	23																																																																																																																																																																																			
-12/ -12																					20																																																																																																																																																																																			
-14/ -14																					19																																																																																																																																																																																			
Stable (X)	X ₁		X ₂		X ₃		X ₄		X ₅		X ₆		X ₇		X ₈		X ₉		X ₁₀		X ₁₁		X ₁₂		X ₁₃		X ₁₄		X ₁₅		X ₁₆		X ₁₇		X ₁₈		X ₁₉		X ₂₀		X ₂₁		X ₂₂		X ₂₃		X ₂₄		X ₂₅		X ₂₆		X ₂₇		X ₂₈		X ₂₉		X ₃₀		X ₃₁		X ₃₂		X ₃₃		X ₃₄		X ₃₅		X ₃₆		X ₃₇		X ₃₈		X ₃₉		X ₄₀		X ₄₁		X ₄₂		X ₄₃		X ₄₄		X ₄₅		X ₄₆		X ₄₇		X ₄₈		X ₄₉		X ₅₀		X ₅₁		X ₅₂		X ₅₃		X ₅₄		X ₅₅		X ₅₆		X ₅₇		X ₅₈		X ₅₉		X ₆₀		X ₆₁		X ₆₂		X ₆₃		X ₆₄		X ₆₅		X ₆₆		X ₆₇		X ₆₈		X ₆₉		X ₇₀		X ₇₁		X ₇₂		X ₇₃		X ₇₄		X ₇₅		X ₇₆		X ₇₇		X ₇₈		X ₇₉		X ₈₀		X ₈₁		X ₈₂		X ₈₃		X ₈₄		X ₈₅		X ₈₆		X ₈₇		X ₈₈		X ₈₉		X ₉₀		X ₉₁		X ₉₂		X ₉₃		X ₉₄		X ₉₅		X ₉₆		X ₉₇		X ₉₈		X ₉₉		X ₁₀₀	
No. Obs.																																																																																																																																																																																																								
Mean No. of Hours with Temperature																																																																																																																																																																																																								
Dry Bulb																																																																																																																																																																																																								
Wet Bulb																																																																																																																																																																																																								
Dew Point																																																																																																																																																																																																								

FORM 0-26-5 (O.L.A.)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06763 PHASE APR N H/PORTSMOUTH
STATION STATION NAME

87-70 YEARS

JAN MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL 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										
>16/-17																													10		
>18/-19																														10	
>20/-21																													5		
>22/-23																													3		
>24/-25																													5		
>26/-27																													3		
>28/-29																													1		
TOTAL	13.7	702.7	19.9	2.7																										1300	1300

Element (2)	Σ	Σ ²	Σ ³	Σ ⁴	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 6 F	≤ 22 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	4287	22815	11227	4777	1200							99
Wet Bulb	2287	12285	5117	2277	1200	3.4	27.4					99
Dew Point	1427	7285	2817	1277	1200	4.1	28.6					99

FORM NO. 8-3-5 (OL A) OBSERVATION SUMMARY OF THE HOUR AIR CONDITION

DATA PROCESSING DIVISION
 USAP BTAC
 AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

YEARS

JAN

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																			
34/ 33	.1			.1														2	2	1																				
32/ 31	.1	.1		.1														2	2	2	2																			
30/ 29			.1															1	1		1																			
28/ 27																					2																			
26/ 25		.1																1	1	1																				
24/ 23		.2																2	2	2	2																			
42/ 41	.2	.3	.2	.1														13	13	6	3																			
40/ 39	.2	1.0	.2	.2														21	21	11	7																			
38/ 37	.1	1.3	.3	.2														25	25	20	13																			
36/ 35	.4	1.5	1.5	.1														45	45	24	21																			
34/ 33	.8	3.0	1.3	.2														70	70	47	25																			
32/ 31	1.1	3.7	1.3	.3														83	83	71	43																			
30/ 29	1.0	4.1	1.5	.3														90	90	88	39																			
28/ 27	.7	2.9	1.8	.4														76	76	77	55																			
26/ 25	1.0	3.1	.8	.2														65	65	62	49																			
24/ 23	.9	2.4	1.2															62	62	74	65																			
22/ 21	.6	2.8	1.2	.2														61	61	59	47																			
20/ 19	.8	4.9	1.6															92	92	69	57																			
18/ 17	.4	3.2	.6															83	85	94	36																			
16/ 15	1.1	2.8	.6															70	70	84	65																			
14/ 13	.6	3.8	1.0															70	70	60	36																			
12/ 11	.8	4.0	.2															64	65	68	59																			
10/ 9	1.2	3.0	.1															82	82	85	63																			
8/ 7	.9	2.3	.4															47	48	73	88																			
6/ 5	.4	2.7																40	40	31	67																			
4/ 3	.3	2.9																44	44	31	62																			
2/ 1	.4	2.0																31	31	42	31																			
0/ 0	.2	.8																13	13	23	47																			
08/ 08	.5	.4																11	11	13	63																			
06/ 06	.2	.3																8	8	8	34																			
04/ 04	.5	.3																6	6	8	31																			
02/ 02	.3	.4																9	9	9	18																			
00/ 00	.2	.8																5	5	6	26																			
00/ 00	.1																	1	1	1	23																			
Minimum (X)	2.1		2.1		1		0.1		No. Obs.		Mean No. of Hours with Temperature																													
Rel. Hum.																					≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 86 F	≥ 93 F	Total													
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

USARETAC FORM 0-26-5 (DLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0300-0300

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														
14/-15	.1	.1																2	2	1	19														
16/-17																				1	14														
18/-19																						8													
20/-21																						10													
22/-23																						6													
24/-25																						3													
26/-27																						2													
28/-29																						4													
30/-31																						1													
TOTAL	15.9	56.2	13.6	2.2														1298	1302	1298	1298														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	682687	91887	70.745.989		1298							93
Dry Bulb	88388	28812	19.811.493		1298	3.9	79.9					93
Wet Bulb	87878	28709	18.311.262		1298	3.1	86.6					93
Dew Point	64817	16887	11.814.871		1298	22.1	87.4					93

USAFETAC FORM 0-26-5 (O.L.A.) REVERSED MIRROR IMAGES OF THE FORM ARE OBLIQUE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06763 PEASE AFB N H/PORTSMOUTH

57-70

JAN

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																			
56/55	.1																																	1	1	1	1			
55/53	.2																																		2	2	2	1		
52/51	.2																																		2	2	2	3		
50/49	.1			.2																															4	4	1	1		
48/47	.1																																		1	1	1	1		
46/45	.1																																		1	1	4	1		
44/43	.1	.6																																	9	9	6	3		
42/41	.2	.2																																	4	4	6	10		
40/39	.3	.5	.4		.1	.1																													18	18	8	4		
38/37	.4	1.2	.2	.2	.1																														26	26	18	8		
36/35	.4	1.0	1.2	.3																															37	37	23	26		
34/33	.6	2.9	1.0	.1																															73	73	40	16		
32/31	1.0	2.4	1.2	.2																															62	62	80	33		
30/29	.7	4.1	1.2	.3																															82	82	60	27		
28/27	1.4	3.5	1.8	.5																															93	93	89	33		
26/25	.9	2.9	1.7																																72	72	69	32		
24/23	.2	2.7	1.0																																51	51	72	80		
22/21	.6	3.1	.9																																60	60	68	17		
20/19	.9	3.9	1.5																																82	82	68	35		
18/17	.8	6.6	.6		.1																													80	81	79	32			
16/15	1.2	4.1	.5	.1																														76	77	88	61			
14/13	1.1	3.3	1.1																															71	72	74	39			
12/11	1.0	3.1	.8																															63	63	53	75			
10/9	1.2	4.1	.3																															72	73	88	81			
8/7	.3	3.3																																47	47	53	47			
6/5	1.2	3.7																																64	64	56	33			
4/3	.9	2.4																																37	37	33	42			
2/1	.9	1.5																																32	32	44	34			
0/-1	.9	1.2																																22	22	19	62			
-2/-3	.5	.7																																15	15	24	34			
-4/-5	.3	.2																																7	7	7	37			
-6/-7	.2	.8																																10	10	10	33			
-8/-9	.2	.8																																8	8	6	25			
-10/-11	.4	.3																																9	9	12	31			
Element (X)	Σx	Σx	Σx	Σx	No. Obs.	Mean No. of Hours with Temperature															Total																			
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F				Total																									
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

USAFETAC FORM 0-26-5 (OLA) 1 JAN 64

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

57-70
YEARS

JAN
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
12/13		.2																2	2	2	31
14/15		.2																2	2	2	12
16/17	.1																	1	1	2	12
18/19																					17
20/21																					6
22/23																					4
24/25																					4
26/27																					4
28/29																					4
30/31																					1
TOTAL	18.6	53.9	15.6	1.7	.2													1298	1302	1298	1296

Element (K)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	68788	8828	71.216,028		1296	2.4	20.2					93
Wet Bulb	88788	8817	17.711,724		1296	0.0	21.0					93
Dew Point	88787	1818	18.916,022		1296	20.2	87.7					93

USAFETAC FORM 0-26-5 (OLA) REPRODUCIBLE EDITIONS OF THIS FORM ARE AVAILABLE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

JAN

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point		
58/ 57		.2																2	2				
56/ 55				.1	.1													2	2	2	2		
54/ 53		.2	.1															4	4	1			
52/ 51				.1														1	1	2	3		
50/ 49	.1	.2	.1															4	4	3	1		
48/ 47	.2	.2	.1	.1														6	6	6	3		
46/ 45	.2	.2	.1		.1													6	6	5	4		
44/ 43	.2		.1	.1														5	5	8	6		
42/ 41	.3	.3	.1	.2	.2													17	17	4	6		
40/ 39	.5	.9	.6	.5	.2													33	33	20	19		
38/ 37	.2	1.2	1.8	.7	.2													53	53	19	12		
36/ 35	.5	1.3	2.5	.8														61	61	33	17		
34/ 33	.6	3.2	2.9	1.0	.1													96	96	68	19		
32/ 31	.8	1.5	1.7	1.2	.1													68	68	88	62		
30/ 29	.8	2.8	2.4	.6														86	86	72	37		
28/ 27	.8	2.8	3.2	.2														91	91	92	59		
26/ 25	.5	2.6	2.3	.4														79	79	79	73		
24/ 23	.2	2.6	2.1	.2														66	66	93	62		
22/ 21	.6	3.3	2.9															91	91	74	55		
20/ 19	.8	3.2	2.8	.1														80	81	89	54		
18/ 17	.3	3.2	2.8															81	81	84	56		
16/ 15	.5	3.8	2.0															82	82	75	61		
14/ 13	.2	3.1	.9															54	54	91	93		
12/ 11	.2	2.8	1.1															54	54	83	62		
10/ 9	.2	3.2	.6															52	52	53	61		
8/ 7	.2	2.2	.2															34	34	53	41		
6/ 5	.2	2.3																33	33	36	53		
4/ 3	.4	1.4																23	23	32	44		
2/ 1	.2	.8																13	13	19	60		
0/ 01	.2	.8																8	8	12	60		
02/ 03	.2	.2																9	9	10	38		
04/ 05	.1	.2																4	4	1	32		
06/ 07	.2	.2																9	9	6	32		
08/ 09	.1	.3																8	8	6	32		
Element (X)	Σ X		Σ X		Σ	Σ	Σ	Σ	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) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 97-70 JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B. W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point
10/-11																				1	19
12/-13	.1																	1	1	1	21
14/-15																					11
16/-17																					12
18/-19																					9
20/-21																					2
22/-23																					3
24/-25																					9
26/-27																					2
28/-29																					2
TOTAL	10.1	1.0	2.1	5.8	1.0													1801	1801	1801	

Element (K)	Σ ₁	Σ ₂	Σ ₃	Σ ₄	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	≤ 60 F	≤ 70 F	≤ 80 F	≤ 90 F	≤ 95 F	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	66000	2700	2800	2800	1801	2.0	72.2					92
Wet Bulb	71000	2700	2800	2800	1801	2.4	80.2					92
Dew Point	66000	2700	2800	2800	1801	19.6	26.6					92

USAFETAC FORM 0-26-5 (OLA) REVISION 0-26-5 (OLA) REVISION 0-26-5 (OLA)

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 17-70 JAN
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																						
38/ 37							.2	.1																										3	3								
38/ 35								.1																											1	1							
34/ 33					.2	.1																													3	3							
32/ 31				.1																															1	1							
30/ 29		.1	.2		.1	.1	.1																												7	7							
28/ 27	.2	.1	.2	.2	.1	.1																													9	9	8	2					
26/ 25	.2	.2	.4	.4	.4	.2																														24	24	10	4				
24/ 23	.3	.6	.1	.5	.3	.2																														23	23	10	8				
42/ 41	.2	.3	.6	1.2	1.1	.3																														48	48	12	10				
40/ 39	.3	.8	1.2	2.3	.6	.1																														73	73	28	19				
38/ 37	.4	1.0	2.1	2.7	.5	.2																														88	88	41	14				
36/ 35	.6	1.3	2.2	2.0	.6																															83	83	73	16				
34/ 33	.8	1.2	2.4	2.5	.3																															95	95	103	31				
32/ 31	.1	2.1	2.2	2.8	.2																															96	96	96	34				
30/ 29	.5	1.9	3.1	2.2																																100	100	97	53				
28/ 27	.6	1.2	2.1	1.6	.1																															93	93	91	69				
26/ 25	.3	1.9	3.4	1.7																																97	97	114	68				
24/ 23	.2	1.4	2.1	.8																																84	84	94	93				
22/ 21	.2	1.8	3.3	.5																																76	76	96	98				
20/ 19	.2	1.5	2.1																																	74	74	84	81				
18/ 17	.1	1.2	2.8																																	52	52	80	70				
16/ 15	.1	1.2	2.2																																	64	64	84	74				
14/ 13		1.2	1.9																																	34	34	53	68				
12/ 11	.1	.8	1.5																																	31	31	60	59				
10/ 9	.1	1.5	.8																																	29	29	40	64				
8/ 7	.2	.8																																		12	12	28	37				
6/ 5		.2																																		3	3	19	31				
4/ 3		.2																																		3	3	2	44				
2/ 1		.5																																		6	6	4	57				
0/ 0		.2																																		2	2	4	34				
08/ 08		.1																																			1	1	1	37			
04/ 04		.2																																			3	3	3	30			
06/ 07																																							1	1	16	24	
08/ 08																																								1	1	16	24

USAF ETAC FORM 0-26-S (OL A) 1 JAN 64

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DATA PROCESSING DIVISION
USAF STAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

87-70
YEARS

JAN
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
010/-11																					10
012/-13																					10
014/-15																					10
016/-17																					2
020/-21																					2
022/-23																					7
024/-25																					1
TOTAL	5.7	28.0	1.9	21.5	4.5	1.2	.2	.1										1302	1302	1302	
																		1302		1302	

Element (K)	Σ ₁	Σ ₂	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	Σ ₁	Σ ₂	Σ	Σ _n	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1302	1302	1302	1302	1302	.A	80.1					92
Wet Bulb	1302	1302	1302	1302	1302	.8	72.4					92
Dew Point	1302	1302	1302	1302	1302	10.1	82.4					92

USAF STAC FORM 0-26-5 (OL A) REPRODUCIBLE VERSIONS OF THIS FORM ARE AVAILABLE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1900-1700
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
58/ 57								.1	.1									2	2						
56/ 55																		1	1						
54/ 53								.1										1	1						
52/ 51									.1									2	2						
50/ 49		.1	.2					.1										4	4						
48/ 47		.6		.1	.4			.3										15	15	9	2				
46/ 45	.1	.2	.2		.5	.1												14	14	9	3				
44/ 43	.2	.6	.1	.7	.6	.1												24	24	9	8				
42/ 41	.1	.7	.2	1.4	.6	.2												42	42	15	2				
40/ 39	.8	1.1	1.1	1.5	.7	.2												69	69	23	23				
38/ 37	.3	.8	1.3	3.0	.9	.2												88	88	44	14				
36/ 35	.3	1.3	2.2	1.5	.3	.1												75	75	32	14				
34/ 33	.7	3.2	2.8	2.4	.9													123	123	90	24				
32/ 31	.4	2.5	3.3	2.2	.1													110	110	124	33				
30/ 29	.2	2.5	3.1	2.2	.2													108	108	88	49				
28/ 27	.2	1.8	3.7	2.2														102	102	119	73				
26/ 25	.2	1.6	3.3	1.4														87	87	108	62				
24/ 23	.6	.8	4.3	1.1														88	88	97	89				
22/ 21	.1	1.2	4.0	.4														74	74	94	85				
20/ 19	.3	1.2	3.6	.1														67	67	94	74				
18/ 17	.2	1.1	2.9															54	54	80	66				
16/ 15	.2	.9	2.2															62	62	64	62				
14/ 13	.2	.6	1.6															31	31	44	61				
12/ 11	.1	1.3	1.3															37	37	43	36				
10/ 9		.8	.3															15	15	34	34				
8/ 7	.2	.6	.2															11	11	23	71				
6/ 5		.2	.1															4	4	9	63				
4/ 3		.4	.1															4	4	7	53				
2/ 1																				4	46				
0/ 0.1		.1																1	1	1	30				
-2/ -2	.1																	1	1	1	36				
-4/ -4		.2																2	2	2	22				
-6/ -6		.1																1	1	2	30				
-8/ -8																					20				

USAFETAC FORM 12-64 0-24-5 (O.L.A.) WEATHER SERVICE BRANCH OF THE FOUR ARS CENTER

DATA PROCESSING DIVISION
 USAF BTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04749 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

37-70
YEARS

JAN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
10/-11																					23
12/-13																					11
14/-15																					9
16/-17																					8
18/-19																					3
20/-21																					2
22/-23																					3
24/-25																					2
26/-27																					1
TOTAL	5.525	9.962	220.8	3.8	1.2	.2	.2	.1										1302		1302	1302

Element (K)	T ₁	T ₂	T ₃	T ₄	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	≤ 67 F	≤ 73 F	≤ 79 F	≤ 85 F	≤ 91 F	≤ 97 F	≤ 103 F	≤ 109 F	≤ 115 F	≤ 121 F	Total
Dry Bulb	1302	1302	1302	1302	1302						1302
Wet Bulb	1302	1302	1302	1302	1302						1302
Dew Point	1302	1302	1302	1302	1302						1302

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

97-70

JAN

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb
52/ 51						.1											1	1		
50/ 49							.1										1	1		
48/ 47	.2	.1															5	5	3	3
46/ 45	.2	.1		.1	.1	.1											6	6	3	2
44/ 43	.2	.1	.1	.2	.2												15	15	4	5
42/ 41	.1	.1	.2	.5	.3												23	23	11	
40/ 39	.3	1.3	.5	.6	.1												36	36	18	18
38/ 37	.4	1.1	.8	1.5	.2												50	50	25	18
36/ 35	.3	2.1	1.9	.9	.2												70	70	41	10
34/ 33	.9	4.1	2.8	1.0	.2												117	117	68	38
32/ 31	.7	3.0	3.5	.9	.2												102	102	112	49
30/ 29	.3	4.2	2.9	.7													106	106	101	42
28/ 27	.2	2.7	3.4	.7													90	90	112	58
26/ 25		2.8	3.8	.3													89	89	84	70
24/ 23	.4	2.2	3.5	.2													80	80	96	44
22/ 21	.6	2.6	3.9														90	90	95	110
20/ 19	.3	2.2	3.2														100	100	61	80
18/ 17	.3	2.1	2.1														71	71	97	52
16/ 15	.8	1.5	2.5														63	63	96	54
14/ 13		1.7	1.2														37	37	68	38
12/ 11		1.5	1.4														37	37	52	67
10/ 9	.1	2.8	.8														43	43	40	43
8/ 7	.4	1.5	.3														29	29	49	63
6/ 5		1.2															17	17	25	61
4/ 3		.7															9	9	19	65
2/ 1		.3															4	4	7	52
0/ -1		.1															1	1	6	32
-2/ -3		.1															1	1	2	32
-4/ -5	.1	.1															2	2	2	32
-6/ -7		.1															1	1		24
-8/ -9		.1															1	1	2	24
-10/ -11		.1															1	1	1	20
-12/ -13																				12
-14/ -15																				12
Mean (2)	X ₁	X ₂	X ₃	X ₄	X ₅	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 (DL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

57-70
YEARS

JAN
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
16/-17																					3
18/-19																					6
20/-21																					4
22/-23																					2
26/-27																					3
TOTAL	6.4	2.5	1.5	7.2	1.2	.2	.2										1300	1302	1300	1300	

Element (X)	ΣX^2	ΣX	ΣX^2	ΣX	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	ΣX^2	ΣX	ΣX^2	ΣX		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	840000	10000	22,27,001	1500		0	0	0	0	0	0	0
Wet Bulb	730000	10000	18,000,000	1500		0	0	0	0	0	0	0
Dew Point	600000	10000	15,000,000	1500		0	0	0	0	0	0	0

USAFETAC FORM 16 0-36-5 (OLA) REVISED FEBRUARY 1968 USE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF BTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

00743 PEASE AFB M H/PORTSMOUTH
STATION STATION NAME

57-70
YEARS

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
32/ 31		.1																	1	1	1														
30/ 29																			1	1	1	1													
48/ 47	.1																		1	1	1														
46/ 45	.1	.1								.1									7	7	6	6													
44/ 43		.2																	2	2		1													
42/ 41		.4								.1									11	11	3	1													
40/ 39	.1	.1	.2	.3	.1														30	30	22	17													
38/ 37	.1	1.1	.7	.8	.2														61	61	17	18													
36/ 35	.1	1.8	1.8	.2	.1														58	58	30	17													
34/ 33	.7	4.7	2.8	.2															109	109	89	15													
32/ 31	1.3	2.9	2.5	.9															99	99	114	56													
30/ 29	1.2	4.3	2.6	.8															108	108	92	30													
28/ 27	.2	2.7	2.1	.8															75	75	109	74													
26/ 25	.2	2.5	2.5	.2															70	70	73	60													
24/ 23	.4	3.3	2.2	.1															77	77	65	69													
22/ 21	.2	3.8	1.8																76	76	96	68													
20/ 19	.3	2.8	2.2																70	70	83	54													
18/ 17	.3	3.8	2.8																98	98	73	70													
16/ 15	.8	4.1	1.9																88	88	89	62													
14/ 13	.1	2.8	1.0																52	52	82	59													
12/ 11	.2	2.9	.6																49	49	66	62													
10/ 9	.2	3.1	.6																50	50	58	62													
8/ 7	.2	2.9	.2																43	43	44	64													
6/ 5		1.7																	22	22	60	70													
4/ 3		1.5	.1																21	21	21	30													
2/ 1		1.2																	16	16	22	30													
0/ 0	.3	.8																	14	14	18	47													
32/ 31	.3	.3																	8	8	16	54													
24/ 23	.1	.1																	1	1	3	39													
22/ 21	.1																		1	1	1	24													
20/ 19																			3	3	3	18													
18/ 17																						22													
16/ 15																						18													
14/ 13																						18													

USAF BTAC
 FORM 0-20-5 (O.L.A.)
 REVISION 1-65
 NUMBER PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH 57-70 JAN
 STATION STATION NAME YEARS MONTH
 PAGE 2 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
16/-17																						6	
18/-19																						5	
20/-21																						4	
22/-23																						4	
24/-25																						2	
26/-27																						2	
28/-29																						3	
TOTAL	10.0	27.2	28.4	4.0	.3	.2												1301	1301		1301		

Element (X)	Z ₁	Z ₂	X	n _X	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	400000	80000	20 210-020	21	1301	≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	400000	80000	20 210-020	21	1301	1.0	76.0					93
Wet Bulb	400000	80000	20 210-020	21	1301	2.0	83.1					93
Dew Point	400000	80000	20 210-020	21	1301	17.2	87.0					93

USAF ETAC FORM 8-26-5 (OL-A) ISSUED BY AIR FORCE COMMANDING OFFICERS OF THE PEARL AND HERMES AIR COUNTRIES

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PRASE APP N H/PORTSMOUTH

97-70

FEB

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
50/49		.3																3	3						
49/47	.1	.1	.1															3	3	5	3				
48/45		.2	.3	.1														7	7	1	3				
44/43		.2		.2														4	4	5	1				
42/41	.2	.4	.1	.2														10	10	7	5				
40/39	.3	.6	.3															14	14	11	8				
38/37	.4	1.1	.4	.3														26	26	14	11				
36/35	.5	2.3	1.2	.2														51	51	29	11				
34/33	.8	2.8	1.5	.5														67	67	47	26				
32/31	.8	2.5	1.9	.2														65	65	62	47				
30/29	1.0	3.0	2.1	.3														87	87	72	44				
28/27	1.5	2.8	1.5	.3														84	84	79	51				
26/25	.7	4.1	3.6	.2														101	101	90	57				
24/23	.9	3.4	2.7															83	83	87	57				
22/21	.9	4.0	2.3															87	87	96	66				
20/19	.6	4.2	2.2															81	81	83	77				
18/17	.3	2.5	1.9															57	59	81	60				
16/15	.6	3.0	1.0															53	53	61	60				
14/13	.7	3.2	1.0															58	58	62	52				
12/11	.4	3.0	.9															52	52	56	58				
10/9	.8	3.0	.4															50	50	53	63				
8/7	.2	2.8																47	47	50	49				
6/5	.3	2.1																28	30	49	62				
4/3	.2	2.0																24	24	24	49				
2/1	.1	1.3																16	16	24	48				
0/1		.4																7	7	14	32				
-2/-3		.5																6	6	6	31				
-4/-5		.3																4	4	4	29				
-6/-7		.3																4	4	4	25				
-8/-9																				2	29				
-10/-11																					23				
-12/-13																					16				
-14/-15																					11				
-16/-17																					6				
Element (X)	ΣX ²	ΣX	X	X ²	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) REPRODUCED BY THE FORMS AND DOCUMENTS SECTION OF THE FORMS AND DOCUMENTS DIVISION OF THE AIR FORCE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06763 PEASE AFB N H/PURTSMOUTH

57-70

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2

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
18/-19																					7
20/-21																					8
22/-23																					1
24/-25																					2
26/-27																					1
28/-29																					1
30/-31																					1
TOTAL	12.028	8.826	8	2.4														1181	1181	1181	

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	887688	80918	68.516	7.79	1181	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	888831	88888	81.810	2.96	1181	1.5	70.9					86
Wet Bulb	891880	89716	80.180	1.98	1181	2.3	78.9					86
Dew Point	817701	88881	82.718	2.74	1181	16.4	78.2					86

USAFETAC FORM 0-26-5 (01-A) REVERSE NUMERICAL ERRORS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

YEARS

FEB
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
48/47	.1	.3																	5	5	4	2													
46/45	.1	.3	.2																6	6	3	4													
44/43		.3	.3																6	6	4	3													
42/41	.3	.1	.2																6	6	7	4													
40/39	.1	.6	.2	.2															12	12	5	4													
38/37	.3	.5	.8	.2															21	21	14	11													
36/35	.5	2.3	.8																42	42	21	9													
34/33	1.4	3.6	1.7	.2															80	80	60	29													
32/31	.4	2.3	1.6	.1															52	52	50	45													
30/29	1.1	2.5	1.6	.1															62	62	64	60													
28/27	.8	4.5	1.1																76	76	61	38													
26/25	1.5	3.9	1.9	.2															89	89	79	39													
24/23	2.0	3.8	1.9																92	92	80	71													
22/21	1.2	3.7	1.8																73	73	80	75													
20/19	.9	4.6	.8																74	75	84	69													
18/17	.6	4.5	.9																71	71	74	53													
16/15	.2	4.3	.4																60	60	61	60													
14/13	.8	3.0	.3																48	48	74	43													
12/11	.8	4.1	.3																63	63	52	50													
10/9	1.1	3.6	.1																57	57	63	68													
8/7	.2	3.7																	46	46	48	64													
6/5	.5	2.8																	36	37	32	50													
4/3	.6	2.0																	40	40	34	49													
2/1	.2	1.9																	28	28	38	38													
0/-1	.1	1.1																	14	14	18	41													
-2/-2	.2	1.1																	15	15	18	36													
-4/-3		.4																	5	5	8	41													
-6/-7	.1	.3																	4	4	4	29													
-8/-9		.3																	3	3	6	31													
-10/-11																						27													
-12/-13																						20													
-14/-15																						11													
-16/-17																						8													
-18/-19																						10													
Element (X)	ΣX^2	ΣX	X	σ_x	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 (O.L.A.) REVERSE PERIODIC SERVICES OF THE TOW AIR CIRCUIT

2

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 57-70 FEB
STATION STATION NAME YEARS MONTH

PAGE 2 0900-0900
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														
20-21																						2													
22-23																						8													
24-25																						3													
28-29																						3													
TOTAL	15,956	6,916	4															1183	1185	1182	1183														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	8216170	82078	70.718,889	1183	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total	
Dry Bulb	82888	18180	15.410,882	1183	2.9	71.4					84	
Wet Bulb	82664	22270	18.810,702	1183	2.8	75.6					84	
Dew Point	82651	14801	12.514,100	1183	19.2	79.2					84	

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

DATA PROCESSING DIVISION
 USAF STAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH

57-70

FEB

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																		
48/ 47		.1	.2																													3	3					
46/ 45	.1	.3	.2																													7	7	6	1			
44/ 43	.1	.5																														7	7	7	6			
42/ 41	.4	.5	.1																													12	12	11	11			
40/ 39		.3		.3																												7	7	7	7			
38/ 37	.1	1.0	.5																													19	19	6	3			
36/ 35	.8	2.0	1.1	.1																												46	46	26	17			
34/ 33	.7	2.9	1.8																													63	63	44	22			
32/ 31	.9	3.2	1.1	.1																												63	63	57	33			
30/ 29	1.0	3.2	1.3	.3																												67	67	70	32			
28/ 27	.6	2.3	1.6																													53	53	59	34			
26/ 25	1.4	4.6	.7																													78	78	71	48			
24/ 23	.9	4.4	1.4																														77	77	76	59		
22/ 21	1.2	4.8	1.1																														83	83	76	55		
20/ 19	.6	3.8	1.1																														65	67	76	58		
18/ 17	.7	4.9	.3																														72	72	73	65		
16/ 15	.5	4.4	.7																														65	66	75	51		
14/ 13	.3	4.2	.2																														55	56	58	58		
12/ 11	.3	5.4																															67	67	71	65		
10/ 9	.7	3.3	.1																														48	48	61	47		
8/ 7	.9	3.7																															53	53	47	53		
6/ 5	.5	3.1																															42	46	49	57		
4/ 3	.3	2.7																															35	35	41	50		
2/ 1	.3	2.0	.1																														27	29	37	43		
0/ -1	.1	1.9																															16	18	20	47		
-2/ -3	.2	1.1																															15	15	18	41		
-4/ -5	.1	1.2																															15	15	14	32		
-6/ -7	.1	.6																															8	8	11	28		
-8/ -9	.2																																2	2	3	24		
-10/ -11																																				2	2	26
-12/ -13																																					32	
-14/ -15																																					9	
-16/ -17																																					8	
-18/ -19																																					18	
Element (X)	Σ X²		Σ X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Rel. Hum.	Mean No. of Hours with Temperature																																				Total	
Dry Bulb	≥ 0 F																															≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Wet Bulb																																						
Dew Point																																						

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

2

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04742 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

57-70
YEARS

FEB
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
20/-21																								7	
22/-23																									8
24/-25																									3
26/-27																									1
28/-29																									4
TOTAL	13.6	72.1	113.7	.7																	1172	1184	1172		

Element (X)	ΣX^2	ΣX	ΣX^2	ΣX	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	ΣX^2	ΣX	ΣX^2	ΣX		$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1172	1184	1172	1172	1172	0	1	72.0				84
Wet Bulb	1172	1184	1172	1172	1172	0	1	72.0				84
Dew Point	1172	1184	1172	1172	1172	0	1	72.0				84

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06763 PEASE AFB N H/PORTSMOUTH

57-70

FEB

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
62/ 61					.1													1	1		
60/ 59					.1													1	1		
54/ 53				.1		.1												2	2	2	
52/ 51				.1		.1												2	2		
50/ 49		.3	.2															5	5	1	1
48/ 47	.1			.1														2	2	4	2
46/ 45	.1	.2		.2	.2													7	7	9	4
44/ 43	.2	.6	.3	.3	.3													16	16	9	4
42/ 41	.1	.4	.2	.3	.3													12	12	7	9
40/ 39	.6	.6	.7	1.1	.3													26	26	17	9
38/ 37	.3	1.0	1.2	.9	.3	.1												47	47	20	12
36/ 35	.3	1.7	2.1	1.1	.2													64	64	26	16
34/ 33	.8	2.8	2.9	1.3	.1													93	93	60	21
32/ 31	.8	2.1	2.3	1.1														86	86	51	28
30/ 29	.3	2.2	2.0	.7	.1													79	79	63	47
28/ 27	1.0	2.9	2.0	.9														92	92	56	46
26/ 25	.9	1.8	2.0	.3														73	73	67	62
24/ 23	.3	2.0	2.2	.3														92	92	68	37
22/ 21	.8	2.3	2.0	.3														75	75	61	39
20/ 19	.3	2.3	2.1	.1														71	71	62	37
18/ 17	.3	2.8	2.8															72	73	60	39
16/ 15	.6	2.4	1.7															84	84	74	20
14/ 13	.2	2.2	1.4															45	45	38	62
12/ 11	.3	2.3	.9															68	68	49	62
10/ 9	.2	2.6	.3															39	39	49	37
8/ 7		1.8	.1															19	19	27	39
6/ 5	.1	1.4	.1															19	19	20	33
4/ 3		.9																11	11	17	61
2/ 1	.1	.8																11	11	13	37
0/ 0	.1	.8																10	10	11	31
-2/ -2		.3																4	4	10	44
-4/ -4		.3																2	2	4	24
-6/ -7																				1	28
-8/ -8																					22
Element (X)	ΣX ²		ΣX		X	X ²	No. Obs.										Mean No. of Hours with Temperature				
Rel. Hum.							≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-24-3 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 USAF ETAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06763 PEASE AFB N H/PORTSMOUTH

57-70

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0900-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
10/11																					18
12/13																					19
14/15																					11
16/17																					5
18/19																					6
20/21																					9
22/23																					4
24/25																					2
26/27																					2
TOTAL	8.7	24.0	26.0	9.0	1.6	.3											1184	1182		1184	

Station (H)	W ₁	W ₂	W ₃	W ₄	No. Obs.	Mean No. of Hours with Temperature					Total	
Wet Bulb	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Wet Bulb	1184	1.0	62.0									84
Dry Bulb	1184	1.0	72.0									84
Dew Point	1184	18.0	70.0									84

USAF ETAC FORM 626-5 (OL-A) (MARCH 1964 EDITION) (GPO)

DATA PROCESSING DIVISION
USAF BTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 STATION PEASE AFB N H/PORTSMOUTH 57-70 YEARS FEB MONTH
PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
66/65						.2											2	2			
66/62						.1											1	1			
58/57																				1	
56/55																				2	
54/53		.1		.1	.1		.2										5	5			
52/51				.3			.1										4	4	1	1	
50/49		.1	.1	.3	.1	.1	.1										8	8		1	
48/47	.2	.1		.3	.3	.3											9	9	9	5	
46/45	.1		.2	.3	.4	.1	.1										14	14	8	1	
46/43	.2	.6	.3	.6	1.5	.1											38	38	6	6	
42/41	.4	.2	.5	1.1	1.6	.5											51	51	17	13	
40/39	.6	.6	1.3	2.0	1.3	.3											76	76	20	10	
38/37	.4	.4	2.0	3.0	1.4	.1											87	87	37	9	
38/35	.4	1.8	2.7	2.5	.6												94	94	93	15	
34/33	.4	2.2	2.6	2.8	.6												102	102	93	30	
32/31	.9	2.5	2.8	2.0	.3												109	109	122	44	
30/29	.2	1.6	2.7	3.6	.3												99	99	108	54	
28/27	.6	1.3	3.0	2.0	.1												85	85	88	66	
28/25		.9	4.1	1.8													76	76	88	68	
26/25	.8	.8	2.5	.8													54	54	102	73	
22/21	.9	1.1	3.0	.9													66	66	90	73	
20/19	.2	1.0	3.0	.5													62	64	68	47	
18/17	.2	.8	1.9														34	35	58	60	
16/15	.1	1.0	1.8														31	31	60	65	
14/13		.8	.9														21	21	31	75	
12/11	.1	.8	.9														21	21	28	75	
10/9		.3	.6														10	10	25	51	
8/7		.6	.2														7	7	11	62	
6/5		.3															4	4	10	43	
6/3		.7															8	8	6	62	
2/1		.3															4	4	8	36	
0/0																			4	21	
0/0																				28	
0/0																				18	
Elabor (X)	Σ		Σ		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.	Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-20-5 (01-A) USE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

57-70
YEARS

FEB
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point					
=0/-7																					15					
=8/-9																					16					
=10/-11																					15					
=12/-13																					10					
=14/-15																					6					
=16/-17																					5					
=18/-19																					6					
=20/-21																					4					
=22/-23																					1					
=24/-25																					1					
=26/-27																					2					
TOTAL	5.620	287	226	0	0.0	1.0	.6											1183	1183	1182						

Element (X)	Σ H ¹	Σ H ²	Σ H ³	Σ H ⁴	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	
Rel. Hum.	130000	10000	17.249	0.15	1183		69.2				88
Dry Bulb	130000	10000	17.249	0.15	1183		69.2				88
Wet Bulb	130000	10000	17.249	0.15	1183	11.3	77.7				88
Dew Point	130000	10000	17.249	0.15	1183	11.3	77.7				88

2

USAFETAC FORM 0-36-5 (D.L.A.) REVISIONS INDICATED BY THE MARK ARE CORRECT

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

FEB

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
64/ 63					.1													1	1																
60/ 59					.1		.1											2	2																
58/ 57						.1												1	1	1															
54/ 53			.1	.1	.2	.2												6	6	1															
52/ 51				.1	.2	.2												3	3		1														
50/ 49		.1		.1	.3	.3												11	11	2															
48/ 47	.2	.2	.3		.3	.2	.1											14	14	7	5														
46/ 45	.1	.1	.1	.2	.3	.4												14	14	4	3														
44/ 43			.1	.1	.2	.3	.4											26	26	7															
42/ 41	.3	.6	.3	.4	1.7	.3												45	45	15	8														
40/ 39	.2	.9	.8	2.1	1.2	.3												66	66	30	10														
38/ 37	.3	1.4	1.9	2.1	1.0													83	83	35	19														
36/ 35	.7	2.2	2.8	3.2	1.2	.1												120	120	70	16														
34/ 33	.4	2.8	2.1	3.6	1.0													118	118	111	29														
32/ 31	1.4	1.0	2.4	2.1	.4													94	94	119	52														
30/ 29	.2	1.9	4.0	2.9	.7													113	113	113	29														
28/ 27	.1	1.4	4.6	3.3	.3													101	101	93	62														
26/ 25	.3	.7	2.0	2.1														72	72	110	63														
24/ 23	.3	.4	2.3	1.3														51	51	107	66														
22/ 21	.4	1.4	2.3	1.3														64	64	73	47														
20/ 19	.3	.9	2.4	.3														52	53	61	69														
18/ 17	.4	1.0	1.9	.1														42	42	73	57														
16/ 15	.2	.6	1.1	.2														24	24	51	80														
14/ 13		.3	.9															20	20	28	80														
12/ 11		.8	.3															16	16	31	62														
10/ 9		.3	.3															9	9	19	53														
8/ 7		.1																1	1	8	42														
6/ 5		.3	.2															6	6	3	24														
4/ 3		.4	.1															6	6	6	38														
2/ 1		.1																1	1	3	48														
0/ -1																				2	23														
-2/ -3																					23														
-4/ -5																					23														
-6/ -7																					23														
Element (X)	Σ X ²		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-24-3 (01-A) REPRODUCED BY AUTHORITY OF THE FOUR ARS CONTRACT
 USAFETAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH

97-70

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000
 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			
94/93		.2	.1															3	3		1			
92/91		.1			.1													2	2	2	1			
90/89		.2		.2						.1								5	5	4	3			
88/87					.2	.1				.1								4	4		1			
86/85		.3	.1	.4	.2					.1								12	12	3	2			
84/83	.1	.4	.1	.2	.2													14	14	6	3			
82/81	.3	.7		.5	.3													20	20	19	5			
80/79	.2	.3	.2	1.2	.2													29	29	17	14			
78/77	.8	1.3	1.4	1.5	.5													64	64	24	13			
76/75	.6	2.4	2.0	1.4	.2													82	82	35	16			
74/73	.9	4.3	2.7	1.0														103	103	89	15			
72/71	.9	2.4	2.7	2.0														107	107	110	49			
70/69	.7	2.4	4.1	1.7														104	104	90	69			
68/67	.3	2.0	4.4	2.1														108	108	89	54			
66/65	.4	2.9	4.8	1.1														109	109	115	60			
64/63	.1	1.4	2.2	.1														63	63	102	54			
62/61	.3	1.3	3.3	.4														63	63	103	76			
60/59	.6	2.1	2.4															72	72	67	53			
58/57	.4	1.4	2.4															59	59	74	79			
56/55	.2	2.0	1.9															50	51	68	90			
54/53	.1	1.4	1.4															36	36	31	63			
52/51		1.4	.8															26	26	34	52			
50/49		.8	.3															14	14	34	63			
48/47		1.2	.2															14	14	18	50			
46/45		.7																8	8	13	48			
44/43		.2																4	4	8	46			
42/41		.4																3	3	3	43			
40/39		.4																2	2	4	30			
38/37																				3	18			
36/35																					26			
34/33																					24			
32/31																					19			
30/29																					11			
28/27																					13			
Element (R)	Σ _H		Σ _X		Σ	Σ _n	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 8-26-5 (OLA) REPRODUCED WITHOUT PERMISSION OF THE FORMS AND COMPTON DIVISION

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 57-70 FEB
STATION STATION NAME YEARS MONTH
PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
14-15																																		6		
16-17																																		3		
18-19																																		3		
20-21																																		7		
22-23																																		1		
24-27																																		3		
TOTAL	6,785	440	514	9	2.2	.3												1184	1185	1184	1184															

Element (R)	X ₁	X ₂	X	S _x	No. Obs.	Mean No. of Hours with Temperature						Total
Wet Bulb	≥ 0 F	≥ 32 F	≥ 67 F	≥ 75 F	≥ 80 F	≥ 93 F						
Wet Bulb	1184	1185	1184	1184	1184	1184	1184	1184	1184	1184	1184	1184
Dry Bulb												
Wet Bulb												
Dew Point												

USAF/ETAC FORM 0-20-5 (O-L-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

YEARS

FEB
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
52/51		.2																	2	2															
50/49		.3																	3	3	2														
48/47	.1	.1	.2	.3															7	7	5	6													
46/45	.2		.1	.1															4	4	2	2													
44/43		.5	.2	.3															11	11	6	2													
42/41	.3	.4	.1	.1	.2														12	12	11	8													
40/39	.4	.4	.3	.3	.1														19	19	13	9													
38/37	.4	.9	.8	.5															31	31	15	10													
36/35	.3	2.3	1.8	.8															62	62	25	16													
34/33	1.1	3.3	2.8	.3															89	89	66	16													
32/31	.8	2.8	3.5	.3															88	88	80	54													
30/29	1.4	2.7	3.7	.8															102	102	94	60													
28/27	.8	3.7	3.5	.6															102	102	94	48													
26/25	.6	3.3	4.0	.8															100	100	99	66													
24/23	.9	2.7	4.6																97	97	88	66													
22/21	.4	1.9	3.2																65	65	92	83													
20/19		3.2	1.9																61	61	93	72													
18/17	.7	3.5	2.5																80	80	74	50													
16/15	.6	2.6	1.8																59	59	71	52													
14/13	.2	2.4	1.1																42	42	60	70													
12/11	.1	1.9	.9																35	35	40	60													
10/9		2.8	.4																38	38	41	48													
8/7	.1	2.2	.2																29	29	43	57													
6/5		1.2	.1																15	15	26	32													
4/3	.1	.8																	11	11	17	51													
2/1		.9																	11	11	13	31													
0/-1		.2																	2	2	6	33													
-2/-3		.4																	5	5	3	26													
-4/-5		.2																	2	2	5	37													
-6/-7																					1	23													
-8/-9																						19													
-10/-11																						21													
-12/-13																						14													
-14/-15																						6													
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-36-5 (01-A) UNLESS OTHERWISE SPECIFIED THE FIGURES ARE OBSOLETE

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

57-70
YEARS

YEARS

FEB
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb Dew Point	
16/-17																					6
18/-19																					4
20/-21																					3
22/-23																					2
24/-25																					1
26/-27																					3
TOTAL	9.3	7.8	7.6	5.1	.3												1185	1185		1185	

Element (X)	Z ₁	Z ₂	X	%	No. Obs.	Mean No. of Hours with Temperature					Total	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	88.8	78.8	80.4	17.329	1185							84
Dry Bulb	81.788	80.88	26.3	9.628	1185	6	67.0					84
Wet Bulb	80.888	80.128	22.0	9.501	1185	1.1	73.7					84
Dew Point	81.008	14.778	16.213	6.82	1185	14.0	79.1					84

USAFETAC FORM 0-26-5 (OL A) REVERSE SERVING STATIONS OF THE FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

MAR

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57				.2														2	2		
56/ 55				.1														1	1		
54/ 53					.1													1	1		
52/ 51				.1	.2		.1											4	4	2	
50/ 49		.1	.1		.2													4	4	1	
48/ 47	.2	.2	.1	.2	.1													9	9	5	5
46/ 45	.2	.2	.2	.2	.2													8	8	8	7
44/ 43		.8	.1	.3	.1	.1												17	17	5	1
42/ 41	.2	.7	.4	.3	.1													22	22	20	4
40/ 39	.5	.8	1.7	.4	.2													47	47	19	21
38/ 37	.8	3.5	2.4	1.4	.4													111	111	44	18
36/ 35	.8	3.3	3.5	1.4	.3													147	147	90	38
34/ 33	1.8	6.1	4.7	1.7														186	186	139	72
32/ 31	2.1	3.7	4.9	2.0														160	160	190	120
30/ 29	.8	4.5	4.6	1.6														151	151	153	109
28/ 27	1.2	2.4	3.6	1.2														109	109	139	109
26/ 25	.7	2.9	3.2	.6														96	96	120	91
24/ 23	.2	2.0	2.2															56	56	112	85
22/ 21	.2	1.8	1.3															43	43	79	75
20/ 19	.3	1.5	1.6	.1														46	46	53	81
18/ 17	.1	.8	1.2															26	27	36	102
16/ 15	.1	.7	.2															12	12	28	49
14/ 13	.2	.9	.2															11	11	29	97
12/ 11		.6	.5															14	14	4	33
10/ 9		.6	.1															9	9	19	40
8/ 7		.2																2	2	9	25
6/ 5		.2																2	2	2	31
4/ 3		.3																4	4	2	27
2/ 1		.1																1	1	4	20
0/ 0																				1	11
-2/ -3																					4
-4/ -5																					10
-6/ -7																					8
-8/ -9																					6
Element (X)	ΣX ²	ΣX	X	X ²	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 47 F	≥ 75 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PURTSMOUTH

57-70

MAR

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
54/ 53			.1	.1														2	2			
52/ 51			.1	.1														2	2			
50/ 49	.1	.4	.1															7	7	3	1	
48/ 47	.2					.1	.1											4	4	9	3	
46/ 45	.1	.2	.2	.1		.1												7	7	1	0	
44/ 43		.4	.2	.2	.2	.1												13	13	9	2	
42/ 41	.1	.9	.5	.4	.2													27	27	9	5	
40/ 39	.2	1.1	1.5	.4	.1													42	42	22	10	
38/ 37	.9	2.6	1.8	1.5	.4													94	94	42	20	
36/ 35	.5	4.8	3.1	2.1	.2													137	137	79	30	
34/ 33	2.2	6.7	3.8	1.4	.1													183	183	136	62	
32/ 31	1.8	4.1	4.0	.8	.1													140	140	172	133	
30/ 29	1.2	4.4	3.7	.9	.1													133	133	147	89	
28/ 27	.5	3.4	4.0	.9														115	115	130	83	
26/ 25	.3	3.1	3.7	.2														96	96	100	93	
24/ 23	.1	2.4	1.9	.1														58	58	113	83	
22/ 21	.3	2.5	1.9															61	61	82	89	
20/ 19	.7	2.2	1.8	.1														37	37	68	74	
18/ 17	.2	1.0	1.2															30	30	58	97	
16/ 15	.4	1.8	.8															26	26	30	69	
14/ 13	.2	1.2	.2															19	19	41	54	
12/ 11	.1	.6	.2															11	11	18	38	
10/ 9		.6																8	8	9	39	
8/ 7		.3	.1															7	7	10	39	
6/ 5		.3																7	7	6	32	
4/ 3		.3																4	4	8	39	
2/ 1		.1																1	1	2	25	
0/ .1		.1																1	1	2	17	
=2/ =8																					10	
=4/ =6																					12	
=6/ =4																					7	
=8/ =2																					4	
=10/ =0																					1	
=12/ =-2																					2	
Element (X)	ΣH^2	ΣH	Σ	Σ_n	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

FORM 0-24-5 (G.L.A.) UNITED STATES BUREAU OF THE WEATHER COAST GUARD USAF/ETAC

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 04749 PEASE AFB N H/PORTSMOUTH STATION NAME PEASE AFB N H/PORTSMOUTH YEARS 57-70 MONTH MAR
PAGE 2 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL			TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
14/-13																					4
16/-17																					2
TOTAL	9.8	5.6	3.9	9.1	1.3	0.2											1302	1302	1302	1302	

FORM 0-26-5 (O.L.A.) REVISIONS REFERENCE EDITIONS OF THE FORM ARE OBSOLETE
UNAPPLICABLE

Element (X)	3 rd	2 nd	1 st	No. Obs.	Mean No. of Hours with Temperature						Total
					≤ 6 F	≤ 22 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.				1302							
Dry Bulb				1302	1	84.0					85
Wet Bulb				1302	1	71.1					82
Dew Point				1302	1	61.0					81

DATA PROCESSING DIVISION
 USAF STAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH
 STATION STATION NAME

57-70

YEARS

MAR
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B.-W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	> 31	Dry Bulb
70/ 69								.1									1	1	
64/ 63								.1									1	1	
60/ 59								.1									1	1	
58/ 57					.1	.2	.1										4	4	
56/ 55				.1	.2	.2	.2	.1									8	8	1
54/ 53				.2	.2	.2	.2	.2									9	9	
52/ 51			.2	.1	.1	.5	.2	.1									14	14	1
50/ 49	.2	.2		.1	.3	.2	.3										16	16	11
48/ 47	.1	.2	.1	.5	.8	.2	.2	.1									25	25	6
46/ 45		.2	.6	.8	.8	.6											40	40	11
44/ 43		.3	.7	2.2	1.3	.7	.1										68	68	15
42/ 41		1.3	1.3	1.6	2.1	.2	.1										90	90	23
40/ 39	.8	1.3	2.2	3.7	2.7	.3											144	144	72
38/ 37	.5	2.1	2.1	6.3	1.9	.2											157	157	94
36/ 35	.9	3.9	2.5	3.6	1.3												161	161	156
34/ 33	1.3	2.3	2.3	3.3	.8												135	135	167
32/ 31	.3	1.9	2.6	2.6	.1												98	98	167
30/ 29	.3	1.9	2.7	1.8	.2												90	90	139
28/ 27	.3	1.4	2.1	1.3													72	72	118
26/ 25	.2	1.3	1.8	1.2													60	60	89
24/ 23		.3	1.3	.2													28	28	75
22/ 21		.2	1.3	.2													23	23	46
20/ 19		.2	1.2														17	17	29
18/ 17		.2	.8														12	12	22
16/ 15		.4	.4														10	10	17
14/ 13			.3														6	6	13
12/ 11			.3														7	7	6
10/ 9		.1	.1														2	2	6
8/ 7		.1															1	1	4
6/ 5																			2
4/ 3																			21
2/ 1																			13
0/ 0																			19
22/ 22																			12

USAF STAC FORM 0-24-5 (OL A) REVISION 1-65
 AIR WEATHER SERVICE OF THE USAF AIR COMMAND

DATA PROCESSING DIVISION
 USAP ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH

57-70

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1200-1400
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					13
0/ =1																					10
=2/ =3																					9
=4/ =5																					2
=10/-11																					8
=12/-13																					1
TOTAL	4.2	19.8	19.4	23.7	20.1	10.4	4.0	1.7	.9									1302	1302	1302	1302

Element (X)	S ₁	S ₂	H	Q ₁	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.					1302	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb					1302		19.2	.2	.1			93
Wet Bulb					1302		20.6					93
Dew Point					1302	2.1	76.9					93

USAP/ETAC FORM 0-26-5 (O.L.A.) REPRODUCED BY PERMISSION OF THE FORMS AND CHARTS DIVISION

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

MAR

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
76/ 75									.2									2	2			
75/ 75									.1									1	1			
68/ 67							.1	.1	.1									3	3			
66/ 65							.1	.1	.1									1	1			
64/ 63							.1	.1	.1									3	3			
62/ 61							.2	.2	.2									3	3			
60/ 59		.2				.1	.1	.1	.2									8	8			
58/ 57						.1	.2	.2	.2									5	5	6		
56/ 55		.1			.2	.3	.2	.1										11	11	1	3	
54/ 53		.1		.2	.2	.3	.4	.4										23	23	3	1	
52/ 51			.5	.2	.5	.7	.5	.3										35	35	3	1	
50/ 49	.1	.2	.4	.2	.8	1.2	.6	.2										47	47	6	1	
48/ 47		.1	.3	.3	.9	.7	.9											42	42	21		
46/ 45	.1	.2	.5	1.0	1.3	2.2	.4											75	75	23	11	
44/ 43	.2	.8	.8	2.4	2.9	2.5	.8											134	134	34	10	
42/ 41	.6	.6	1.8	3.4	1.6	1.6	.1											123	123	58	18	
40/ 39	.1	1.8	3.2	2.7	2.7	.8												147	147	75	29	
38/ 37	.6	2.5	2.8	2.8	2.2	.8												166	166	153	22	
36/ 35	.5	3.2	2.9	1.5	2.3	.2												136	136	206	65	
34/ 33	.8	1.8	2.1	2.7	1.2													113	113	182	69	
32/ 31	.3	1.6	1.7	1.7	.8													80	80	149	102	
30/ 29	.5	1.0	1.5	1.2	.2													58	58	109	112	
28/ 27	.1	.5	.9	1.0	.2													34	34	100	99	
26/ 25	.2	1.0	.8	.1	.1													28	28	67	102	
24/ 23		.4	1.0	.2														21	21	46	87	
22/ 21		.2	.2	.1														4	4	22	80	
20/ 19			.2	.2														5	5	16	84	
18/ 17			.2	.2														4	4	6	78	
16/ 15			.1															1	1	1	75	
14/ 13			.3															4	4	8	58	
12/ 11		.1																1	1	2	43	
10/ 9																				3	63	
8/ 7																					29	
6/ 5																					29	
Wet Bulb (X)																						
Ref. Hum.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) REVERSE SIDE OF THE FORM USE CAREFULLY

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

57-70

YEARS

MAR
MONTH

PAGE 2 1300-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
4/ 3																						21														
2/ 1																						6														
0/ -1																						2														
-2/ -3																						7														
-4/ -5																						3														
-6/ -7																						3														
-8/ -9																						3														
-10/ -11																						4														
-12/ -13																						2														
TOTAL	3,916.2	222.6	21.9	18.3	10.7	4.2	1.5	.5	.2										1300			1300														

Element (X)	ΣX	ΣX^2	ΣX^3	ΣX^4	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	ΣX	ΣX^2	ΣX^3	ΣX^4		≤ 0 F	≤ 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	2081.2	4332.2	8948.8	18018.8	1300		17.8	.4	.2			92
Wet Bulb	1812.5	3285.1	5984.8	10818.8	1300		17.8					92
Dew Point	1000.0	1000.0	1000.0	1000.0	1300	1.7	76.8					92

USAFETAC FORM 0-20-5 (O.L.A.) AIR WEATHER SERVICE DIVISION OF THE FOUR AIR CORPS

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH

97-70

MAR

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																
70/69								.1																									1	1		
64/63								.1		.1																							2	2		
62/61								.1		.2																							3	3		
59/57			.2			.2																											5	5		
56/55						.1		.2		.1																							4	4	3	
54/53				.1				.1		.1																							3	3		
52/51				.2	.1	.2		.2		.1																							9	9	1	
50/49	.1	.3	.1	.2	.2	.2		.2		.1																							14	14	3	
48/47	.2	.2	.5	.2	.5	.4	.2	.2		.1																							28	28	13	
46/45	.1	.5	.4	.6	.7	.7	.1	.1																									29	29	12	
44/43	.3	.8	.8	.9	1.4	.7																											59	59	23	
42/41	.3	1.2	1.1	1.8	2.0	.5																											89	89	30	
40/39	.2	1.0	3.6	3.2	1.7	.7																											134	134	51	
38/37	.5	3.4	3.2	2.9	1.6																												151	151	67	
36/35	.6	4.8	4.1	3.1	1.8																												187	188	173	
34/33	1.3	4.9	3.3	2.4	1.2																												174	174	202	
32/31	.3	2.7	3.0	1.8	.7																												111	111	183	
30/29	.2	2.0	2.3	2.2	.3																												93	93	138	
28/27	.6	1.5	2.2	.9																													68	68	121	
26/25	.2	1.2	1.1	1.0																													45	45	104	
24/23	.1	.8	.8	.3																													27	27	65	
22/21	.1	.3	.7	.1																													19	18	34	
20/19			.8																														11	11	21	
18/17		.2	.5																														9	9	11	
16/15		.2	.4																														7	7	19	
14/13		.1	.2																														4	4	7	
12/11			.2																														3	3	7	
10/9		.2	.2																														6	6	2	
8/7																																				
6/5																																				
4/3																																				
2/1																																				
0/-1																																				
0/-2																																				
Element (X)	Σ X ²		Σ X		Σ	Σ	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) REPRODUCED BY THE FORMS OFFICE
 USAFETAC

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DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 57-70 MAR
 STATION STATION NAME YEARS MONTH
 PAGE 2 1800-2000
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
-4/-5																					6			
-6/-7																					3			
-8/-9																					2			
-10/-11																					2			
-12/-13																					2			
-14/-15																					2			
-16/-17																					2			
TOTAL	5,026	280	421	312	6	3.5	.5	.4	.1									1301	1302	1301				
																		1301						

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	Σ X ²	Σ X	X̄	σ _x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1687872	49901	28.3	7.298	1302		28.8	.1				93
Wet Bulb	1221000	40480	21.3	6.737	1301		21.8					93
Dew Point	225220	27920	21.16	6.820	1301	2.8	77.8					93

USAFETAC FORM 0-26-5 (OLA) REVERSE MINOR ERRORS OF THE FORM ARE CORRECTED

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PURTSMOUTH
STATION STATION NAME

57-70
YEARS

MAR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B. W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
60/59					.1												1	1			
58/57				.1	.2												2	2			
56/55						.2											2	2			
54/53			.2	.1	.2												5	5	2		
52/51		.1		.1	.2	.2											7	7	2		
50/49	.2	.2	.2	.1	.1	.1											9	9	6	3	
48/47	.1	.1	.3	.1	.2	.1											10	10	9	7	
46/45	.2	.3		.1	.2												11	11	12	6	
44/43	.2	.4	.5	.2	.2	.2											21	21	17	4	
42/41	.3	1.3	1.1	.8	.6	.2											56	56	14	13	
40/39	.5	1.8	2.4	2.2	.7	.2											100	100	34	20	
38/37	.6	3.4	3.9	2.0	.9												132	132	66	27	
36/35	.5	4.5	4.7	2.3	.2												159	159	105	35	
34/33	1.8	5.8	5.3	2.6	.3												209	209	189	79	
32/31	.8	3.9	3.8	2.6	.3												150	150	175	109	
30/29	.5	3.5	4.3	1.7	.2												131	131	166	123	
28/27	.4	2.6	2.5	.7													80	80	127	106	
26/25	.2	2.3	2.1	.5													66	66	132	93	
24/23		1.9	1.5	.2													43	43	74	88	
22/21	.2	1.2	1.3	.2													39	39	56	81	
20/19		.2	.9														15	15	37	95	
18/17		.2	.8														12	12	24	79	
16/15		.2	.5														8	8	19	72	
14/13		.8	.6														15	15	11	49	
12/11		.2	.2														5	5	17	51	
10/9		.3	.1														5	5	6	21	
8/7		.3	.1														5	5	6	26	
6/5		.2															2	2	6	18	
4/3																			2	23	
2/1																				24	
0/0																				13	
2/0																				6	
4/0																				14	
6/0																				1	
Element (X)	Σ x ²	Σ x	Σ	Σ	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																					

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06763 PEASE AFB N H/PORTSMOUTH 57-70 MAR
STATION STATION NAME YEARS MONTH
PAGE 2 2100-2300
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb		Wet Bulb	Dew Point		
-8/-9																					3		
-10/-11																					3		
-12/-13																					1		
-14/-15																					2		
-16/-17																					3		
TOTAL	6.255	3.326	6.616	6.6	4.4	1.0															1302	1302	1302

Element (X)	Σ X²	Σ X	X	n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.	463208	28000	48.117	817	1302							
Dry Bulb	140140	28000	51.7	7.279	1302		61.1					93
Wet Bulb	120857	28000	51.4	7.687	1302		62.9					93
Dew Point	81888	28000	52.430	6.77	1302	3.3	79.1					93

USAFETAC FORM 0-26-5 (OL A) REPRODUCED BY THE AD-350 CENTER

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 56-70

56-70

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0200
 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
60/ 67					.2													2	2		
60/ 65				.1														1	1		
62/ 61			.3		.1													5	5	2	
60/ 59		.1	.2	.2	.1													7	7	1	
58/ 57		.3	.7	.2	.2													15	15	5	4
56/ 55		.5	.2	.5	.2	.1												18	18	13	5
54/ 53	.2	.5	.2	.1	.1	.1												13	13	17	11
52/ 51	.1	.2	.2	.3	.1	.3												17	17	7	17
50/ 49	.3	.7	1.0	.5	.7	.1												44	44	21	10
48/ 47	.5	1.4	.9	1.4	.5	.2												64	64	30	17
46/ 45	.5	1.7	1.6	.7	.8	.2												71	71	44	25
44/ 43	1.0	2.8	2.4	1.7	1.1	.3												124	124	65	50
42/ 41	1.9	3.7	3.2	1.7	1.3													183	183	126	93
40/ 39	1.6	4.7	3.6	2.0	.3													162	162	151	92
38/ 37	1.1	4.0	3.0	1.4	.3	.1												130	130	155	118
36/ 35	1.2	4.4	3.3	1.7	.8													154	154	154	110
34/ 33	1.5	4.1	3.3	1.4	.4													141	141	165	125
32/ 31	.2	3.8	2.0	1.3	.2													94	94	126	94
30/ 29	.5	1.6	.7	.8	.1													48	48	119	117
28/ 27		.6	.6	.2														20	20	61	117
26/ 25				.2														2	2	93	99
24/ 23		.1	.3															5	5	17	77
22/ 21			.3															4	4	3	43
20/ 19		.2																2	2	6	26
18/ 17																				5	31
16/ 15																					19
14/ 13																					14
12/ 11																					13
10/ 9																					13
8/ 7																					7
6/ 5																					7
4/ 3																					7
2/ 1																					5

Element (K)	Σ H ²	Σ H	Σ	Σ	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 0-20-5 (O.L.A.) REVERSED NEVILSONS ERRORS OF THE FORM ARE CORRECTED

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS MONTH APR
PAGE 2 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
TOTAL	10.4	36.8	28.4	16.1	6.9	1.3											1326	1326	1326	1326	
Element (X)	Σ X ²	Σ X	Σ X	Σ X	No. Obs.		Mean No. of Hours with Temperature					Total									
Rel. Hum.	27300	2074	20.344	200	1326		≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	22								
Dry Bulb	21220	2044	20.8	4.777	1326			11.9	1				22								
Wet Bulb	14400	2128	21.3	4.719	1326			25.1					22								
Dew Point	14400	2128	21.3	4.719	1326			44.8					22								

USAFETAC FORM 0-20-3 (01.A) REVISIONS TO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

APR

MONTH

PAGE 1 0300-0900
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point					
66/65			.1	.1														2	2							
66/63			.1															1	1							
62/61			.2															3	3	2						
60/59																				1						
58/57		.4	.2	.2														9	9	3	3					
56/55		.7	.3	.2	.1													16	16	8	2					
54/53		.6	.2	.4	.1													16	16	10	14					
52/51	.1	.5	.3	.2	.2	.2												18	18	15	11					
50/49	.3	.5	.7	.2														22	22	14	13					
48/47	.3	1.1	1.3	.4	.2													47	47	24	19					
46/45	.5	1.4	1.2	.9	.2													56	56	41	24					
44/43	.8	2.3	2.1	1.4	.8	.2												100	100	88	35					
42/41	1.0	4.0	2.1	1.6	1.1													148	148	83	58					
40/39	1.1	4.4	2.2	2.0	.1													174	174	137	83					
38/37	1.1	3.4	3.3	1.3	.1													147	147	150	100					
36/35	.7	3.3	3.0	.8	.6													112	112	162	124					
34/33	1.3	6.0	3.2	.8	.9													160	160	166	94					
32/31	.6	4.4	3.2	.8														120	120	147	103					
30/29	.6	4.1	1.1	.8	.1													87	87	118	146					
28/27	.6	1.8	1.1	.8	.1													82	82	107	109					
26/25	.1	.6	.9	.2														18	18	37	91					
24/23		.3	.3	.1														9	9	36	104					
22/21			.2															2	2	15	62					
20/19		.2	.3															4	4	8	32					
18/17		.1																1	1	6	14					
16/15																				3	18					
14/13																					20					
12/11																					9					
10/9																					11					
8/7																					12					
6/5																					8					
4/3																					5					
2/1																					4					
0/0																					1					
Elusives (R)																										
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										
																		Mean No. of Hours with Temperature								
																		= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total		

USAFETAC FORM 0-26-5 (OLA) REVISION 10-64

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

YEARS

APR
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb	Dew Point
=2/ =3																					3
TOTAL	9.7	5.4	2.6	1.2	2.7	3.5	.3												1326		1326
																		1326		1326	1326

Element (X)	Σ h ¹		Σ h ²		Σ	°	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	1326		1326		1326	1326	1326	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1326		1326		1326	1326	1326		20.0					20
Wet Bulb	1326		1326		1326	1326	1326		21.0					21
Dew Point	1326		1326		1326	1326	1326	.3	21.0					21

FORM 6-26-5 (OL A) REVISION 6-26-5 (OL A) AIR WEATHER SERVICE/HAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

APR
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL																											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																						
72/ 71					.1													1	1																								
68/ 67				.1														2	2																								
66/ 65			.2					.1										3	3																								
64/ 63				.2														3	3																								
62/ 61			.1	.1	.2													4	4																								
60/ 59		.2	.2	.1	.2			.1										5	5																								
58/ 57		.1	.1	.4	.2	.3	.2											17	17	4																							
56/ 55		.5	.2	.3	.4	.2	.1											22	22	7																							
54/ 53		.7	.4	.1	.2	.2												20	20	13																							
52/ 51	.5	.2	.4	.7	.2	.3	.1											30	30	26																							
50/ 49		.8	.6	.8	.7	.2	.2											43	43	33																							
48/ 47	.3	1.4	1.7	1.0	1.4	.3												82	82	72																							
46/ 45	.6	1.7	1.6	1.7	1.1	.6	.1											98	98	82																							
44/ 43	.8	2.3	2.3	2.3	1.2	.9												135	135	115																							
42/ 41	1.2	3.9	3.0	2.0	1.4	.2												155	155	136																							
40/ 39	2.0	3.8	3.0	2.7	.8	.1												169	169	166																							
38/ 37	.8	3.0	3.6	2.1	.4	.1												145	145	133																							
36/ 35	.8	4.2	2.5	1.3	.6													124	124	108																							
34/ 33	1.1	3.8	2.4	1.1	.3													115	115	102																							
32/ 31	.2	1.9	1.7	.5	.2													60	60	50																							
30/ 29	.4	1.3	.9	.6														42	42	31																							
28/ 27	.2	.8	.6	.8														28	28	21																							
26/ 25	.1	.2	.2	.2														8	8	6																							
24/ 23		.1	.2	.2														5	5	4																							
22/ 21		.1	.2															3	3	2																							
20/ 19			.1															2	2	1																							
18/ 17		.1																1	1	1																							
16/ 15																				2																							
14/ 13																				14																							
12/ 11																				10																							
10/ 9																				10																							
8/ 7																				8																							
6/ 5																				8																							
4/ 3																				9																							
Element (Z)	ΣH^1	ΣH^2	ΣH^3	ΣH^4	ΣH^5	ΣH^6	ΣH^7	ΣH^8	ΣH^9	ΣH^{10}	ΣH^{11}	ΣH^{12}	ΣH^{13}	ΣH^{14}	ΣH^{15}	ΣH^{16}	ΣH^{17}	ΣH^{18}	ΣH^{19}	ΣH^{20}	ΣH^{21}	ΣH^{22}	ΣH^{23}	ΣH^{24}	ΣH^{25}	ΣH^{26}	ΣH^{27}	ΣH^{28}	ΣH^{29}	ΣH^{30}	ΣH^{31}	No. Obs.	Mean No. of Hours with Temperature					Total					
Dry Bulb																																				≤ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		
Wet Bulb																																											
Dew Point																																											

USAF ETAC FORM 6-36-5 (OL A) (When reporting numbers of the form are changed)

DATA PROCESSING DIVISION
USAF STAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

80-70

APR

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																													
84/ 83												.1	.1																				2	2																																
82/ 81																																		1	1																															
80/ 79																																		1	1																															
78/ 77																																		1	1																															
76/ 75										.1	.1																							2	2																															
74/ 73										.2	.2																							7	7																															
72/ 71											.1	.1	.1																					3	3																															
70/ 69				.1		.2	.1	.1	.1	.2																								8	8																															
68/ 67			.1		.1	.2	.2	.1	.2	.1	.2																							11	11																															
66/ 65			.1	.1	.2	.2	.2	.2	.2	.2	.2																							16	16																															
64/ 63				.1	.3	.1	.5	.5	.2																									21	21	5																														
62/ 61				.2	.6	.3	.3	.6	.2																									29	29	7																														
60/ 59		.2	.2	.3	.4	.5	1.3	.3	.3	.3																								44	44	9	2																													
58/ 57		.2	.6	.5	.3	1.0	.6	.6	.2																									50	50	11	2																													
56/ 55			.4	.3	1.2	1.0	1.7	.4	.2																									70	70	18	3																													
54/ 53		.7	.7	.5	1.0	1.6	1.3	.5																										86	86	20	9																													
52/ 51	.1	.3	.6	.6	1.1	2.0	1.2	.4																										97	97	47	24																													
50/ 49		1.0	.3	1.4	1.7	2.6	1.4	.2																										119	119	60	25																													
48/ 47	.2	1.1	.3	1.3	2.7	2.4	1.0																											123	123	76	36																													
46/ 45	.3	1.7	1.2	2.1	1.9	2.1	.6																											134	134	90	41																													
44/ 43	.6	1.7	1.3	1.6	3.1	1.4	.2																											133	133	149	46																													
42/ 41	.3	2.0	1.0	1.9	1.7	1.1																												110	110	150	67																													
40/ 39	.7	2.3	1.4	1.2	1.0	.4																												92	92	184	80																													
38/ 37	.2	2.2	.6	1.0	.8	.2																												66	66	161	94																													
36/ 35	.3	1.2	.3	.5	.9	.2																												46	46	156	98																													
34/ 33	.3	1.2	.1	.2	.8																													33	33	90	103																													
32/ 31		.1		.3	.4																													10	10	49	106																													
30/ 29				.1	.1																													2	2	26	97																													
28/ 27				.2																														2	2	16	76																													
26/ 25																																				10	89																													
24/ 23																																				6	80																													
22/ 21																																				1	26																													
20/ 19																																					45																													
18/ 17																																					23																													
Efficient (H)	Σ H ¹			Σ H ²			Σ H	C ₂	No. Obs.											Mean No. of Hours with Temperature																																														
Rel. Hum.																																≤ 0 F					≤ 32 F					= 67 F					= 73 F					= 80 F					= 93 F					Total				
Dry Bulb																																																																		
Wet Bulb																																																																		
Dew Point																																																																		

FORM 0-24-5 (01-A) REVERSE SPECIFIC DIRECTIONS OF THE FORM ARE OBSOLETE
USAF STAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 50-70 APR
 STATION STATION NAME YEARS MONTH

PAGE 2 0900-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
16/ 15																					27
14/ 13																					22
12/ 11																					15
10/ 9																					9
8/ 7																					14
6/ 5																					14
4/ 3																					4
2/ 1																					2
0/ -1																					3
TOTAL	6.0	19.9	9.8	14.7	19.6	18.1	11.2	4.3	1.5	.9	.2	.1	.1					1323	1323	1323	
																		1323		1323	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb					1323		1.0	2.4	1.0	.3		90
Wet Bulb					1323		4.8					90
Dew Point					1323	.8	67.1					90

USAFETAC FORM 0-24-5 (O.L.A.) REPRODUCED BY THE AIR FORCE

2

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

YEARS

APR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
90/ 89															.2						2	2			
88/ 87														.1								1	1		
86/ 85															.1							1	1		
84/ 83															.2							2	2		
82/ 81															.2							2	2		
80/ 79															.1							2	2		
78/ 77												.1		.3						.2		8	8		
76/ 75									.2		.1		.1	.1	.1							6	6		
74/ 73							.1		.2		.2	.1	.2	.4	.1							13	13		
72/ 71							.2		.2		.2	.1	.2	.2	.2							9	9		
70/ 69						.2	.1	.1	.2	.2	.3		.1		.1							13	13		
68/ 67						.3	.2	.2	.2	.3	.4		.1									17	17		
66/ 65						.1	.4	.6	.4	.4	.2	.2	.2		.2							23	23		
64/ 63			.1	.2	.3	.1	.3	.5	.2	.2	.2	.2										30	30	12	
62/ 61			.1	.5	.2	.3	.8	.5	.7	.2	.2											43	43	8	
60/ 59			.2	.6	.4	1.0	.9	.8	1.2	.2	.2											72	72	9	1
58/ 57		.1	.4	.5	.6	1.0	1.1	1.4	.6	.1												82	82	16	2
56/ 55		.3	.5	.6	.8	1.0	1.5	.9														88	88	23	7
54/ 53		.2	.4	1.2	1.2	2.3	2.4	1.9	.1													122	122	32	10
52/ 51		.2	.2	1.0	1.3	1.9	1.7	1.0	.1													98	98	34	23
50/ 49	.1	1.1	.6	1.4	2.1	2.6	1.3	.9														127	127	78	24
48/ 47	.2	1.1	1.0	.7	1.7	2.0	.6	.1														98	98	26	31
46/ 45	.3	1.1	1.0	2.0	2.2	2.9	.7															133	133	123	44
44/ 43	.4	1.0	.8	1.0	2.3	1.3	.2															103	103	162	49
42/ 41	.6	2.3	.8	.6	1.2	.7	.2															86	86	167	72
40/ 39	.7	1.6	1.3	.5	.7	.4																68	68	170	98
38/ 37	.2	1.6	.2	.2	.3	.5																38	38	143	100
36/ 35	.2	1.1		.2	.2																	20	20	119	84
34/ 33	.4	.5	.3		.1																	16	16	91	107
32/ 31		.1																				1	1	27	27
30/ 29																								17	27
28/ 27																								8	28
26/ 25																									90
24/ 23																									84

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

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

50-70
YEARS

APR
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.S. W.B.	Dry Bulb	Wet Bulb	Dew Point
22/ 21																					72
20/ 19																					63
18/ 17																					28
16/ 15																					27
14/ 13																					21
12/ 11																					17
10/ 9																					8
8/ 7																					12
6/ 5																					8
4/ 3																					5
0/ -1																					1
TOTAL	2.9	12.4	8.2	11.1	6.3	19.4	13.2	8.4	3.8	2.4	1.1	.9	.2	.2					1326	1326	1326
																			1326		

Element (X)	Σn^2	ΣX	ΣX^2	σ_n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	282241	63222	21,094,122	1326			.1	2.2	2.3	.7		90
Wet Bulb	282241	63222	21,094,122	1326			2.8					90
Dew Point	142241	63222	21,094,122	1326		.1	62.7					90

USAFETAC FORM 0-26-5 (OL A) REVERSE SERVICIOUS SERVICE OF THE FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION
USAF STAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

59-70

APR

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
90/89																																	3	3		
84/83																									.1								1	1		
82/81																									.1								1	1		
80/79																																	2	2		
78/77																																	9	9		
76/75																																	10	10		
74/73																																	6	6		
72/71																																	9	9		
70/69																																	9	9		
68/67																																	19	19		
66/65																																	9	9		
64/63																																	29	29	5	
62/61																																	38	38	7	
60/59																																	72	72	17	
58/57																																	80	80	20	
56/55																																	72	72	23	
54/53																																	103	103	15	
52/51																																	114	114	45	
50/49																																	105	105	72	
48/47																																	123	123	101	
46/45																																	113	114	132	
44/43																																	126	126	133	
42/41																																	114	114	171	
40/39																																	80	80	217	
38/37																																	90	90	190	
36/35																																	16	16	122	
34/33																																	9	9	99	
32/31																																	3	3	27	
30/29																																			10	102
28/27																																		3	86	
26/25																																			84	
24/23																																			73	
22/21																																			93	
20/19																																			89	
Element (X)	Σ X ²			Σ X			X	X _n	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 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

APR

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
78/ 77								.1										1	1																
76/ 75																		1	1																
74/ 73							.1	.1										2	2																
72/ 71								.1										3	3																
70/ 69							.1	.2	.1									6	6																
68/ 67				.1			.2	.2	.2	.1								8	8																
66/ 65					.1		.2	.1	.1	.1								5	5																
64/ 63			.2	.3	.3		.2	.1	.1	.2	.1							19	19		2														
62/ 61		.1		.1	.2		.2	.2	.3	.2								12	12		2														
60/ 59				.2	.4		.2	.4	.2	.2								21	21		6														
58/ 57		.3	.3	.2	.5		.3	.7	.5	.2								42	42	12	1														
56/ 55	.1	.2	.1	.2	.8		.7	.6	.6	.3								47	47	18	10														
54/ 53		.5	.4	.3	.5	1.1	.8	.2	.1									51	51	12	6														
52/ 51		.9	.4	.8	1.0	1.1	.7	.2										67	67	27	14														
50/ 49	.6	.6	1.3	1.1	1.9	1.3	1.0	.2										104	104	41	28														
48/ 47	.1	1.0	1.4	1.7	2.9	1.0	.8	.1										113	113	60	20														
46/ 45	.2	1.5	2.6	2.6	2.2	1.0	.4											140	140	80	33														
44/ 43	.6	2.7	2.9	2.6	1.8	.8	.2											155	155	109	34														
42/ 41	.5	3.8	2.9	2.2	2.0	.7												159	159	174	54														
40/ 39	1.5	3.4	3.2	2.3	1.4	.5												164	164	213	98														
38/ 37	.9	3.7	2.0	1.4	.7	.3												120	120	192	135														
36/ 35	.2	1.2	1.4	.9	.5													82	82	167	125														
34/ 33	.1	.5	.8	.2	.2													24	24	104	118														
32/ 31		.1		.1	.2													4	4	37	113														
30/ 29		.2																3	3	37	135														
28/ 27																				9	63														
26/ 25																				4	81														
24/ 23																					67														
22/ 21																					47														
20/ 19																					42														
18/ 17																					24														
16/ 15																					20														
14/ 13																					14														
12/ 11																					18														
Element (X)	Σ x ²		Σ x		x		x _n		No. Obs.		Mean No. of Hours with Temperature																								
Ref. Num.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (O.L.A.) INVERSE REVERSUS EDITION OF THE FORM AIR OBSOLETE
 USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH 56-70

STATION NAME YEARS

APR MONTH

PAGE 2 1800-2000
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														
10/ 9																																			6
8/ 7																																			9
6/ 5																																			6
4/ 3																																			3
TOTAL	4.8	20.6	19.9	17.2	17.2	10.1	5.7	2.7	1.4	.4	.1							1326	1326	1326	1326														

Element (X)	Σ ₁ ²	Σ ₂	Σ	Σ ₂	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	229,087	22811	43,020,742	1326								
Dry Bulb	229,087	22811	43,020,742	1326			1.4	.2			20	
Wet Bulb	217,087	22011	40,820,742	1326		7.3					20	
Dew Point	142,187	14111	28,320,742	1326		44.0					20	

USAFETAC FORM 0-26-5 (OL A) AIR WEATHER SERVICE/MAC

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

APR
MONTH

PAGE 1 2100-2200
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				
72/ 71						.1											1	1							
70/ 69					.2												2	2							
66/ 65						.2											2	2							
64/ 63					.2		.1										3	3							
62/ 61			.2	.3	.1		.1	.2									11	11	3						
60/ 59		.2	.2	.3	.1	.2		.2									15	15	1	1					
58/ 57		.2	.4	.2	.4	.2		.2									20	20	7	5					
56/ 55	.1	.5	.4	.2	.2	.2	.2	.1									18	18	18	2					
54/ 53	.2	.2	.2	.4	.5	.4	.2	.1									26	26	12	12					
52/ 51		.7	.4	.5	.8	.4	.2										39	39	11	19					
50/ 49	.6	.8	.8	.6	.8	.8	.3										62	62	35	16					
48/ 47	.5	1.4	2.0	1.3	1.4	.3	.3										96	96	34	24					
46/ 45	.3	1.3	3.0	2.4	1.6	.8	.1										126	136	56	27					
44/ 43	.5	2.2	3.8	2.6	2.0	.3	.2										169	169	83	32					
42/ 41	1.2	4.2	3.1	2.7	.9	.2											163	163	162	64					
40/ 39	2.3	3.4	3.7	2.6	.9	.2											173	173	186	109					
38/ 37	1.1	3.7	3.2	2.1	.5	.2											143	143	191	117					
36/ 35	.5	2.9	2.9	1.8	.7												129	129	163	132					
34/ 33	.5	2.0	2.1	.8	.3												75	75	138	117					
32/ 31		1.0	.9	1.0	.2												61	61	109	109					
30/ 29		.3	.2		.3												11	11	61	117					
28/ 27				.1													1	1	27	99					
26/ 25																			13	85					
24/ 23																			5	69					
22/ 21																			1	42					
20/ 19																				36					
18/ 17																				26					
16/ 15																				20					
14/ 13																				17					
12/ 11																				10					
10/ 9																				7					
8/ 8																				5					
6/ 5																				7					
4/ 4																				5					
Element (X)	Σ		Σ		Σ	Σ	No. Obs.										Mean No. of Hours with Temperature								
Rel. Hum.																	≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 90 F	≥ 93 F	Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-36-5 (OLA) REVERSE PREVIOUS EDITIONS OF THE FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF BTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

MAY
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			
78/77							.1											1	1					
78/75					.1	.1												2	2					
74/73					.1	.1												3	3					
72/71			.1		.1	.1												5	5					
70/69			.3	.4		.1	.1											14	14					
68/67		.1	.6	.4	.3	.3	.2											27	27	5				
66/65		.3	.5	.4	.4	.1	.1											26	26	9	5			
64/63		.9	.6	.3	.3	.2	.1											33	33	23	6			
62/61		.9	.4	.4	.5	.5												37	37	31	24			
60/59		.2	.2	.6	.6	.4	.1											34	34	33	29			
58/57	.1	.8	.6	1.0	.8	.5		.1										54	54	34	21			
56/55	.3	2.0	1.2	.7	.9	.6												78	78	43	31			
54/53	.6	2.9	2.2	1.1	1.1	.1	.3											116	116	78	47			
52/51	1.9	3.7	3.0	1.0	.9	.3	.1											138	138	119	92			
50/49	.6	3.9	2.9	2.1	.9	.2												148	148	124	90			
48/47	.6	3.4	2.1	2.2	1.6	.1												166	166	119	100			
46/45	.6	3.6	2.3	1.8	1.0													157	157	127	101			
44/43	.6	2.7	1.6	1.7	.7	.1												119	119	100	119			
42/41	.9	2.9	1.8	.4	.3													87	87	120	124			
40/39	.9	2.2	1.6	1.2	.1													83	83	118	124			
38/37	.3	1.5	1.1	.4														46	46	88	120			
36/35		.8	.4	.1														18	18	83	87			
34/33		.1	.1															3	3	44	75			
32/31																				12	47			
30/29																				1	42			
28/27																					43			
26/25																					29			
24/23																					14			
22/21																					6			
20/19																					6			
18/17																					4			
TOTAL	7,426	130	216	210	210	210	114	.1										1395	1395	1395	1295			
Element (X)	T _g		T _g		T _g		T _g		T _g		T _g		T _g		T _g		T _g		T _g		T _g			
Rel. Hum.	100%		100%		100%		100%		100%		100%		100%		100%		100%		100%		100%		100%	
Dry Bulb	100%		100%		100%		100%		100%		100%		100%		100%		100%		100%		100%		100%	
Wet Bulb	100%		100%		100%		100%		100%		100%		100%		100%		100%		100%		100%		100%	
Dew Point	100%		100%		100%		100%		100%		100%		100%		100%		100%		100%		100%		100%	

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

DATA PROCESSING DIVISION
 USAP ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 56-70 MAY
 STATION STATION NAME YEARS MONTH

PAGE 1 0100-0200
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B. W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
76/ 75					.2													3	3	
72/ 71					.1													2	2	
70/ 69				.1	.2													6	6	
68/ 67		.2	.1	.3	.4	.1												15	15	3
66/ 65		.2	.6	.3	.2													18	18	4
64/ 63		.6	.6	.4	.4	.1												29	29	8
62/ 61		.4	.3	.3	.4	.3												22	22	32
60/ 59		1.1	.6	.6	.7	.4												44	44	23
58/ 57	.3	.4	.8	.4	.2	.1												31	31	30
56/ 55	.2	1.6	1.6	.6	.6	.1												67	67	43
54/ 53	.5	3.2	1.4	1.1	.5													93	93	58
52/ 51	1.6	4.6	1.2	1.7	.6	.1												129	129	89
50/ 49	1.7	3.5	2.5	1.7	.4	.1												140	140	127
48/ 47	1.0	3.7	3.3	1.9	.6	.1												151	151	109
46/ 45	1.0	4.7	3.2	.8	.6	.1												145	145	163
44/ 43	1.3	4.6	2.7	1.7	.6	.1												156	156	99
42/ 41	1.4	3.0	1.7	1.1	.3													109	109	168
40/ 39	1.6	2.0	1.6	.9	.2													87	87	169
38/ 37	.9	2.4	1.1	.9														79	79	96
36/ 35	.1	1.7	.7	.1														38	38	76
34/ 33	.1	1.9	.9	.2														37	37	69
32/ 31		.1	.1															3	3	70
30/ 29		.1																2	2	44
28/ 27																				2
26/ 25																				33
24/ 23																				18
22/ 21																				11
20/ 19																				6
18/ 17																				2
16/ 15																				1
TOTAL	11,009	625	135	1	700	104												1295	1295	1295

USAP ETAC FORM 44 6-26-5 (OL A) CHECK SERVICE DIVISIONS OF THE FORM ARE CORRECT

Element (X)	Σ ₁	Σ ₂	Σ ₃	Σ ₄	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	22.0000	11.0000	22.0000	22.0000	1295	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb					1295			1.7	.2			99
Wet Bulb					1295			1.1	.2			99
Dew Point					1295			1.0				99

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

MAY

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83								.1										1	1		
82/ 81								.1										1	1		
80/ 79						.1	.1											2	2		
78/ 77						.1												1	1		
76/ 75				.1	.1			.1										7	7		
74/ 73					.1	.1		.1	.1									9	9		
72/ 71		.1	.1	.1	.1	.1												7	7		
70/ 69		.1	.1	.2	.1	.1												12	12	4	1
68/ 67		.1	.4	.6	.2			.4										24	24	9	
66/ 65	.1	.2	.6	.6	.9	.4	.1		.1									28	28	10	6
64/ 63		.4	.5	.7	.6	.9	.4		.1									45	45	22	7
62/ 61		.6	.6	.9	1.0	.8	.1		.1									57	57	24	23
60/ 59		.7	.9	1.1	.9	.8	.2											64	64	30	22
58/ 57		1.4	1.1	1.2	1.0	.8	.1		.1									91	91	48	28
56/ 55	.4	2.0	1.9	1.3	1.7	.9	.1											107	107	73	37
54/ 53	.5	2.1	1.6	2.0	1.3	.6	.1		.1									143	143	102	43
52/ 51	.9	2.0	2.0	1.6	2.1	.6	.2											146	146	128	87
50/ 49	.9	1.6	2.3	2.6	1.3	1.0	.3		.1									156	156	123	101
48/ 47	.9	2.8	2.4	1.6	.9	.4	.1											130	130	161	106
46/ 45	.7	2.2	2.2	1.6	.9	.4	.1											127	127	180	96
44/ 43	.4	2.7	1.1	.6	1.0													81	81	153	129
42/ 41	.1	1.6	1.2	1.2	.8	.1												62	62	110	128
40/ 39	1.0	.9	.6	.5	.1													44	44	99	119
38/ 37	.3	.4	.6	.1	.1													22	22	61	103
36/ 35	.1	.1	.4	.1	.1													11	11	48	81
34/ 33		.1	.1	.1														4	4	26	64
32/ 31																				8	37
30/ 29																				2	44
28/ 27																				2	29
26/ 25																					28
24/ 23																					22
22/ 21																					12
20/ 19																					3
18/ 17																					9
Records (2)	2 1/2		2 1/2		1		0 1/2		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.											≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM NO. 0-26-5 (O.L.A.) REPRODUCED BY THE FORCE AND COURTESY
 USARFAC

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

MAY

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																			
94/93																																	1	1					
92/91																																		1	1				
90/89																																		1	1				
88/87																																		1	1				
86/85											.1	.2	.2																					9	9				
84/83										.1	.1	.2	.1	.1	.1																			7	7				
82/81								.1	.1	.1	.2	.1	.1	.1	.1																			11	11				
80/79							.2	.1	.1	.2	.1	.1	.1	.1	.1																			13	13				
78/77								.2	.1	.1	.1	.4	.2	.1											.1									16	16				
76/75			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																			20	20				
74/73			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																		32	32				
72/71			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																		40	40	13			
70/69			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																		63	63	5	4		
68/67			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																		69	69	13	9		
66/65		.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																		77	77	25	6		
64/63		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																		96	96	35	12		
62/61	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																		104	104	62	28		
60/59	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																		123	123	68	26		
58/57		1.1	.9	.9	.9	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		115	115	88	30		
56/55	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		119	119	119	52		
54/53	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		129	129	129	53		
52/51	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		102	102	141	97		
50/49	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		61	61	120	94		
48/47	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		52	52	152	89		
46/45	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		44	44	141	114		
44/43	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		20	20	119	102		
42/41	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		13	13	70	97		
40/39	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		12	12	69	94		
38/37	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		5	5	39	71		
36/35	.1	1.1	1.1	.9	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.1																		2	2	11	48		
34/33																																					4	63	
32/31																																					1	89	
30/29																																					1	93	
28/27																																						1	99

USAFETAC FORM 0-26-5 (OL-A) REVERSE SIDE OF THIS FORM AIR OBSERVER

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
 STATION STATION NAME

55-70

YEARS

MAY
 MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																				
26/ 25																																			30					
26/ 23																																					30			
22/ 21																																					16			
20/ 19																																					14			
18/ 17																																					14			
16/ 15																																					6			
14/ 13																																					6			
12/ 11																																					6			
10/ 9																																					1			
TOTAL	3.2	11.1	1	7.7	8.7	14.1	17.2	16.8	11.2	9.7	2.9	.9	.3	.1	.1																						1395	1395	1395	

USAF ETAC FORM 8-58-5 (OL A) WET BULB TEMPERATURE DEPRESSION OF THE FORM AIR CHOCOLATE

Element (S)	No. Obs.	Mean No. of Hours with Temperature					Total
		≤ 0 F	≤ 32 F	≤ 67 F	≤ 75 F	≤ 80 F	
Rel. Hum.	1395						1395
Dry Bulb	1395			20.0	0.0	2.0	1395
Wet Bulb	1395			2.0	0.0		1395
Dew Point	1395	15.1					1395

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

MAY
MONTH

PAGE 1 1200-1600
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														
100/ 99																.1		1	1																	
98/ 97																		1	1																	
96/ 95												.1	.1	.1				3	3																	
94/ 93												.1						1	1																	
90/ 89													.1					3	3																	
88/ 87											.1	.3	.1					12	12																	
86/ 85								.1	.4	.2	.1	.3	.1					16	16																	
84/ 83							.1	.1	.1	.1	.1	.1	.1					17	17																	
82/ 81								.4	.1	.2	.1	.4	.1					25	25																	
80/ 79							.1	.3	.2	.4	.2	.6	.1					33	33																	
78/ 77							.1	.3	.6	.4	.6	.6	.3					42	42																	
76/ 75					.1	.1	.2	.3	.4	.4	.4	.3	.2					34	34																	
74/ 73				.1	.1	.1	.6	.7	1.1	.4	.4	.4						51	51	11																
72/ 71				.1	.2	.4	.6	.9	.6	.7	.2	.1						53	53	11																
70/ 69			.1	.2	.7	.1	.6	1.2	1.0	.6	.2	.1						68	68	14	1															
68/ 67		.1	.2	.3	.8	.8	1.3	1.1	1.2	.9	.2							88	88	24	7															
66/ 65		.1	.1	.2	1.1	.8	1.2	1.3	.9	.7	.1							93	93	39	6															
64/ 63		.4	.4	.4	.9	1.0	1.2	1.1	1.7	.1	.1							102	102	38	26															
62/ 61		.4	.7	.9	.9	1.3	.9	1.3	1.2	.3								106	106	50	23															
60/ 59	.1	.6	.8	.8	1.1	1.2	1.4	1.7	.3	.1								107	107	86	23															
58/ 57		1.1	.7	.7	.6	.8	1.6	1.8	.4	.1								109	109	111	43															
56/ 55	.1	.8	.6	.8	.8	1.6	1.9	.2	.4									97	97	120	57															
54/ 53	.1	1.1	.6	1.1	.6	.9	.3	.6										78	78	124	60															
52/ 51	.6	1.6	1.3	.9	.8	.7	.6	.1										83	83	128	81															
50/ 49	.1	1.1	.8	.4	.8	.6	.2	.1										58	58	128	78															
48/ 47		1.1	.1	.2	.7	.2	.1											34	34	131	88															
46/ 45	.1	1.6	.2	.6	.1	.1	.1											38	38	137	130															
44/ 43	.2	.3	.1	.2	.1	.1	.1											19	19	89	98															
42/ 41	.3	.4																10	10	62	104															
40/ 39		.1	.1															3	3	43	71															
38/ 37		.3																4	4	11	75															
36/ 35																				5	74															
34/ 33																				3	76															
32/ 31																					39															
Element (X)	Σ X ²		Σ X		X	X ²	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																																				

FORM 0-26-5 (OL A) REPRODUCED BY PERMISSION OF THE HEADQUARTERS AIR FORCE ENGINEERING CENTER, WRIGHT-PATTERSON AIR FORCE BASE, OHIO

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
 STATION STATION NAME

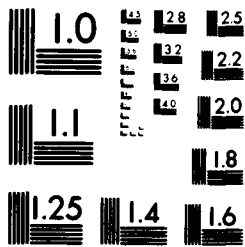
54-70
 YEARS

MAY
 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
98/ 97																		2	2		
96/ 95																		1	1		
94/ 93																		3	3		
90/ 89																		5	5		
88/ 87																		7	7		
86/ 85																		11	11		
84/ 83																		21	21		
82/ 81																		28	28		
80/ 79																		36	36		
78/ 77																		25	25	1	
76/ 75																		41	41		
74/ 73																		32	32	3	1
72/ 71																		60	60	15	
70/ 69																		54	54	11	4
68/ 67																		75	75	21	4
66/ 65																		65	65	62	7
64/ 63																		85	85	34	26
62/ 61																		108	108	39	12
60/ 59																		118	118	75	27
58/ 57																		117	117	93	42
56/ 55																		116	116	119	43
54/ 53																		90	90	121	65
52/ 51																		89	89	144	81
50/ 49																		78	78	139	48
48/ 47																		47	47	193	101
46/ 45																		29	29	162	123
44/ 43																		31	31	108	118
42/ 41																		12	12	73	99
40/ 39																		5	5	34	93
38/ 37																		4	4	16	74
36/ 35																				9	86
34/ 33																				1	61
32/ 31																					53
30/ 29																					26
Element (X)	Σ x'	Σ x	x	x _n	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 (DL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70

YEARS

MAY
MONTH

PAGE 2 1900-1700
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	TOTAL																
																	D.S. W.B.	Dry Bulb	Wet Bulb	Dew Point														
28/ 27																				57														
26/ 25																				22														
24/ 23																				18														
22/ 21																				12														
20/ 19																				19														
18/ 17																				21														
16/ 15																				6														
14/ 13																				1														
12/ 11																				1														
10/ 9																				2														
8/ 7																				1														
TOTAL	2.1	1.2	9.6	9.4	10.8	11.2	13.0	10.7	8.7	5.1	4.0	2.7	1.0	.1	.1		1395		1395															

Element (X)	Σ X ²	Σ X	Σ	σ _n	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	473688	78120	33,628,210	1395								
Dry Bulb	220000	1395	21,417,428	1395				26.7	10.1	0.7	0.0	93
Wet Bulb	320000	1395	21,417,428	1395				2.8	0.4			93
Dew Point	140000	1395	21,417,428	1395		17.8	0.1					93

USAF ETAC FORM 0-36-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AJR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06763 PEASE AFB N H/PORTSMOUTH

56-70

MAY

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
92/ 91																																	2	2		
88/ 87																																	2	2		
86/ 85																																	6	6		
84/ 83																																	2	2		
82/ 81																																	9	9		
80/ 79																																	16	16		
78/ 77																																	14	14		
76/ 75																																	21	21		
74/ 73																																	27	27		
72/ 71																																	38	38	6	
70/ 69																																	37	37	13	1
68/ 67																																	52	52	17	4
66/ 65																																	68	68	21	12
64/ 63																																	54	54	29	14
62/ 61																																	72	72	40	20
60/ 59																																	78	78	32	20
58/ 57																																	114	114	80	40
56/ 55																																	123	123	85	42
54/ 53																																	119	119	114	52
52/ 51																																	128	128	129	82
50/ 49																																	128	128	140	76
48/ 47																																	109	109	159	110
46/ 45																																	80	80	158	110
44/ 43																																	47	47	129	128
42/ 41																																	24	24	109	116
40/ 39																																	12	12	77	104
38/ 37																																	7	7	24	82
36/ 35																																	2	2	17	82
34/ 33																																			6	67
32/ 31																																				49
30/ 29																																				50
28/ 27																																				29
26/ 25																																				24
24/ 23																																				12
Element (X)	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Dry Bulb	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Wet Bulb	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Dew Point	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	

U.S. AIR FORCE FORM 1751 (10-65) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 80-70 MAY
 STATION STATION NAME YEARS MONTH
 PAGE 2 1800-2000
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
22/ 21																					18			
20/ 19																					18			
18/ 17																					13			
16/ 15																					1			
TOTAL	3.0	20.2	13.8	13.8	13.1	12.1	8.9	6.7	4.2	2.4	1.6	.3						1895	1395	1395	1395			

Element (X)	S ₁	S ₂	X	S ₂	No. Obs.	Mean No. of Hours with Temperature						Total		
	≤ 0 F	≤ 22 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Rel. Hum.					1000									
Dry Bulb					1000			18.1	6.8	1.8				23
Wet Bulb					1000			3.4						23
Dew Point					1000		14.8							23

USAFETAC FORM 8-26-5 (OL A) REVISION 10-65 (SEE INSTRUCTIONS ON THE FORM AND COVER)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH 56-70 YEARS MAY
STATION STATION NAME MONTH
PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83									.1								1	1			
82/ 81								.1	.1								2	2			
80/ 79						.1	.1	.1									9	3			
78/ 77							.1	.1									1	1			
76/ 75				.1	.2	.1	.1	.1									9	9			
74/ 73				.1	.1	.1	.2	.1									7	7			
72/ 71			.3	.3	.2	.1	.1	.1									15	15	1		
70/ 69		.3	.2	.3	.1	.1	.5	.2									26	26	2		
68/ 67		.5	.5	.2	.2	.6	.2	.1	.2								36	36	19	6	
66/ 65		.3	.6	.3	.6	.1	.6	.1	.1	.3							28	28	16	14	
64/ 63		.4	.6	.3	.3	.6	.8	.1	.1	.1							43	43	33	9	
62/ 61		.3	.2	.6	1.3	.6	.6	.1	.1								55	55	26	26	
60/ 59		.4	.3	1.1	.6	.7	.6	.4									61	61	34	28	
58/ 57	.4	.6	.6	1.3	.7	1.6	.2	.6									82	82	42	22	
56/ 55	.1	2.6	1.1	.6	.9	.9	.6										95	95	98	35	
54/ 53	.6	2.7	1.6	1.1	1.9	1.0	.5										121	121	106	60	
52/ 51	1.0	3.2	2.2	1.9	1.7	.6	.1										147	147	112	66	
50/ 49	1.0	2.9	2.2	1.6	1.6	.8	.2										153	153	122	90	
48/ 47	.6	3.0	2.0	2.2	1.9	.9	.1										153	153	146	111	
46/ 45	.6	2.3	2.7	1.9	.8	.8											126	126	172	122	
44/ 43	.9	2.9	1.3	.6	.9	.4											97	97	133	114	
42/ 41	.2	1.6	1.2	.2	.1												67	67	166	112	
40/ 39	.6	.6	.6	.4	.1												35	35	88	113	
38/ 37		.6	.2	.1													13	13	22	144	
36/ 35		.2															3	3	41	90	
34/ 33																			12	72	
32/ 31																				24	
30/ 29																				21	
28/ 27																				27	
26/ 25																				17	
24/ 23																				17	
22/ 21																				19	
20/ 19																				9	
18/ 17																				4	
Wet Bulb	2.1																				
Dry Bulb																					
Wet Bulb																					
Dew Point																					
Rel. Hum.																					
No. Obs.																					
Mean No. of Hours with Temperature																					
	≤ 0 F	≥ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F														Total	

FORM 0-36-5 (OL A) WEATHER SERVICE DIVISION OF THE FOUR AIR FORCE BRANCHES
USAF/ETAC

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH

59-70

JUN

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point															
78/ 77				.1		.1																										2	2		
76/ 75		.1	.2	.1	.1	.1																										10	10		
74/ 73			.1	.7	.5	.2	.1	.1																								23	23	3	
72/ 71		.2	.4	1.0	.6	.3	.1																									34	34	5	
70/ 69	.1	.6	2.2	1.3	.4	.1	.2																									67	67	9	
68/ 67	.1	1.2	2.7	1.1	.5	.3	.1																									82	82	49	
66/ 65	.4	3.1	2.2	2.0	.8	.6																										123	123	77	
64/ 63	.5	2.2	1.7	1.5	.7	.1																										91	91	114	
62/ 61	.1	1.6	2.6	1.9	1.0	.1	.1																									100	100	74	
60/ 59	.6	4.2	1.9	2.5	1.3	.2																										162	162	98	
58/ 57	.3	5.3	3.6	2.1	.4	.1	.1																									161	161	142	
56/ 55	1.6	3.7	2.6	1.3	.6	.3																										160	160	199	
54/ 53	1.2	4.6	1.9	.4	.4		.1																									116	116	184	
52/ 51	.7	2.9	1.7	1.3			.1																									103	103	123	
50/ 49	.7	3.6	1.3	.3	.1																											80	80	103	
48/ 47		1.7	.6	.1																												30	30	86	
46/ 45	.2	.7	.3																													17	17	99	
44/ 43	.2	.1	.1																													6	6	18	
42/ 41																																	8		35
40/ 39																																			22
38/ 37																																			6
36/ 35																																			7
34/ 33																																			1
32/ 31																																			1
30/ 29																																			1
28/ 27																																			1
26/ 25																																			1
TOTAL	6.7	9.1	13.6	11.7	7.3	3.5	.7	.1																									1349	1349	1350

FORM 0-26.5 (O. A.) 1955 REVISIONS BASED ON THE FORM AIR COUNCIL
USAF/ETAC

Element (3)	S ₁	S ₂	I	C ₂	No. Obs.	Mean No. of Hours with Temperature						
						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Dry Bulb	1349	1349	1349	1349	1349			1349	1349			1349
Wet Bulb	1349	1349	1349	1349	1349			1349	1349			1349
Dew Point	1349	1349	1349	1349	1349			1349	1349			1349

2

DATA PROCESSING DIVISION
USAF BTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PHASE AFB N H/PORTSMOUTH

56-70

YEARS

JUN

PAGE 1 0300-0800

MONTH HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73		.1	.3	.1				.1										9	9		
72/ 71			.2	.6	.4													16	16	2	1
70/ 69		.3	1.0	1.0	.2													42	42	4	3
68/ 67	.1	2.0	1.7	.6	.6													66	66	29	8
66/ 65	.3	2.8	1.6	1.0	.6	.4												89	89	60	38
64/ 63	.8	2.0	2.0	1.1	.2	.1												112	112	97	84
62/ 61	.7	2.4	2.3	1.2	.5													97	97	76	78
60/ 59	.1	6.7	2.1	.9	.2	.1												126	126	101	72
58/ 57	.3	3.3	2.9	1.9	.1													142	142	136	106
56/ 55	2.4	7.0	3.2	.9	.2	.1												187	187	177	165
54/ 53	1.3	6.1	2.4	.7	.1	.1	.1											144	144	173	163
52/ 51	1.9	2.1	1.2	.8	.1	.1				.1								129	129	178	189
50/ 49	.6	3.9	1.3	.4														86	86	109	122
48/ 47	.1	2.8	1.6															27	27	73	127
46/ 45	.4	1.4	.9															31	31	79	75
44/ 43	.2	.8	.3															18	18	28	22
42/ 41		.1	.1															3	3	12	43
40/ 39																				3	30
38/ 37																				1	13
36/ 35																					2
34/ 33																					2
32/ 31																					2
30/ 29																					2
TOTAL	9.1	7.0	7.1	3.2	3.2	.8	.1	.1										1390	1390	1390	1390

Element (X)	Σ	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1000000	1100000	2000000	3000000	1390	≤ 6 F	≤ 22 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1390	1390	1390	1390	1390			2.9	.4			3.3
Wet Bulb	1390	1390	1390	1390	1390			2.9	.4			3.3
Dew Point	1390	1390	1390	1390	1390			2.9	.4			3.3

USE BTAC FORM 0-3-5 (OLA) SHOW NUMBER OF THE FORM AND CHECKED

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AIR N H/PORTSMOUTH

56-70

JUN

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
84/ 83							.1	.1												2	2			
82/ 81					.1	.1	.1	.1												5	5			
80/ 79				.1	.1	.1	.1	.1												6	6			
78/ 77				.3	.4	.3	.1	.1												16	16			
76/ 75				.4	.4	.4	.1		.1											19	19			
74/ 73			.4	1.3	1.0	.3	.1													42	42	3		
72/ 71		.1	1.3	.8	.7	.4	.1	.1												55	55	10		
70/ 69		.4	1.8	1.9	1.2	.7	.3	.1	.1											88	88	30		
68/ 67	.1	1.7	1.6	2.1	1.4	1.3		.1												112	112	67		
66/ 65	.3	1.2	1.9	2.3	1.8	.8	.7	.1	.1											119	119	78		
64/ 63	.4	1.6	2.7	1.9	1.2	.6	.4	.1												120	120	99		
62/ 61	.1	2.9	2.8	2.7	1.2	.6														139	139	106		
60/ 59	.1	3.3	3.4	2.1	1.4	.6	.2													151	151	146		
58/ 57	1.0	2.3	2.6	1.8	1.0	.1	.1	.1												149	148	167		
56/ 55	1.6	3.2	1.6	1.6	.9	.3														122	122	204		
54/ 53	.8	2.8	1.2	1.9	.6	.1														102	102	181		
52/ 51	.5	1.6	1.4	.7	.1															58	58	128		
50/ 49	.3	1.0	.6	.4																20	20	87		
48/ 47		.5	.2	.1																11	11	34		
46/ 45	.1	.1	.1																	5	5	26		
44/ 43																						9		
42/ 41																						2		
40/ 39																								
38/ 37																								
36/ 35																								
34/ 33																								
32/ 31																								
30/ 29																								
TOTAL	9.258	9.23	6.21	7.12	7.0	2.7	.8	.2												1390	1390	1390		

Element (R)	Σ		K		No. Obs.	Mean No. of Hours with Temperature						
	Σ ₁	Σ ₂	K ₁	K ₂		≥ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	222	10000	22	22	1390							
Dry Bulb	222	10000	22	22	1390			22	22	22		22
Wet Bulb	222	10000	22	22	1390			22	22	22		22
Dew Point	222	10000	22	22	1390			22	22	22		22

FORM NO. 6-53 (10-71) USE PREVIOUS EDITIONS OF THIS FORM AND CHANGE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

JUN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
92/ 91									.1	.1								2	2						
90/ 89								.1	.2	.1								7	7						
88/ 87								.1	.3	.1								8	8						
86/ 85								.1	.4	.2								24	24						
84/ 83					.1	.6	.5	.5	.6	.3	.1							39	39						
82/ 81					.4	.8	1.2	1.0	.6	.4	.2	.1						62	62						
80/ 79				.1	.6	1.3	.8	1.0	.7	.3	.4							71	71						
78/ 77			.1	.4	1.0	1.3	1.6	1.6	.7	.4	.1							100	100	1					
76/ 75				.3	1.2	1.4	1.6	1.6	.7	.3					.1			94	94	8	1				
74/ 73			.1	1.1	1.4	1.6	1.3	1.8	.7	.4					.1			111	111	23					
72/ 71		.1	.3	1.3	1.3	1.6	1.1	.8	.7	.3								109	109	47	8				
70/ 69		.3	.6	1.3	1.1	1.3	1.3	.8	.8	.1								95	95	81	28				
68/ 67		.3	1.3	.9	1.6	1.7	.9	1.4	.2	.1								115	115	107	50				
66/ 65		1.0	1.6	1.0	1.0	1.0	1.0	.9	.2	.1					.1			112	112	113	80				
64/ 63	.1	1.0	1.2	1.0	.7	1.1	1.2	.3	.1									93	93	134	83				
62/ 61	.2	1.3	1.1	.6	1.1	1.3	.8	.2	.1									89	89	147	97				
60/ 59	.1	1.6	.7	.3	.8	.3	.7	.3										66	66	130	138				
58/ 57	.6	2.2	.7	.3	.8	.1												59	59	123	125				
56/ 55	.1	1.6	.4	.3	.1	.1												39	39	107	137				
54/ 53	.1	1.4	.3	.2														30	30	116	116				
52/ 51	.1	.8	.4															18	18	83	95				
50/ 49	.1	.1																4	4	26	82				
48/ 47																				16	63				
46/ 45		.2																3	3	6	67				
44/ 43																					70				
42/ 41																					66				
40/ 39																					25				
38/ 37																					18				
36/ 35																					10				
34/ 33																					7				
32/ 31																					1				
30/ 29																					3				
28/ 27																					1				
26/ 25																					1				
Mean No. of Hours with Temperature																									
≤ 6 F																									
≤ 32 F																									
≤ 67 F																									
≤ 73 F																									
≤ 80 F																									
≤ 93 F																									
Total																									

USAFETAC FORM 0-26-5 (DL A) REVERSE SURFACE TEMPERATURE OF THE FINE-AL COOLING

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

JUN

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
96/ 95									.1	.1		.1	.1					5	5																	
94/ 93									.1	.1		.2	.2					5	5																	
92/ 91								.1	.1		.2	.1	.1					8	8																	
90/ 89							.1	.3	.4	1.0	.1	.6	.2	.3	.1			26	26																	
88/ 87					.1	.1	.3	.4	1.0	.7	.2	.2	.1	.1				40	40																	
86/ 85					.1	.1	.4	1.1	1.0	.9	.4	.4	.4	.4	.1			60	60																	
84/ 83					.1	.4	1.2	.8	1.4	1.6	.6	.4	.1					90	90																	
82/ 81					.1	.6	1.2	1.2	1.0	1.0	.4	.4						80	80																	
80/ 79					.4	.9	.9	.7	1.7	1.1	.4	.2						85	85	2																
78/ 77				.1	1.0	.9	1.1	1.1	1.3	1.2	.3	.4						100	100	8																
76/ 75				.5	.7	.6	1.0	1.3	1.4	.6	.4	.1						89	89	22	1															
74/ 73			.4	.4	.8	1.0	.6	.4	.4	.7								67	67	44	6															
72/ 71		.1	.4	.7	.6	1.0	1.1	.6	1.1	.6								82	82	62	9															
70/ 69	.1	.3	.7	1.1	1.3	.9	1.1	1.7	.4	.6	.1							112	112	110	26															
68/ 67		.7	.9	1.7	.8	.7	1.2	1.3	.6	.4	.1							108	108	104	72															
66/ 65	.1	.6	1.4	1.6	.8	.7	.7	.7	.1	.1	.1							93	93	120	72															
64/ 63	.1	.7	.7	.2	.5	1.1	1.0	.1	.4									63	63	139	82															
62/ 61		.7	.3	.3	.8	.3	.3	.2	.1	.4								43	43	126	101															
60/ 59	.1	.7	1.0	.9	.8	.4												54	54	128	103															
58/ 57	.1	2.1	.7	.3	.3	.1												30	30	99	113															
56/ 55	.1	1.3	.8	.3														34	34	119	132															
54/ 53	.1	.6	.6															14	14	117	94															
52/ 51	.3	1.0	.1															22	22	69	108															
50/ 49	.1	.2																5	5	39	91															
48/ 47		.1																1	1	8	78															
46/ 45		.1																2	2	4	70															
44/ 43																					67															
42/ 41																					82															
40/ 39																					29															
38/ 37																					10															
36/ 35																					10															
34/ 33																					6															
32/ 31																					6															
30/ 29																					6															
Standard (R)	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ															
Rel. Hum.																						Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 8-24-5 (OL A) REVISION 10-65 (OL A) USE PREVIOUS EDITIONS OF THIS FORM AND CHECKLIST
 USAF ETAC

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 56-70 JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
20/ 27																					1	
26/ 29																					4	
22/ 21																					1	
TOTAL	1.5	9.6	7.5	8.1	9.0	10.1	12.2	12.9	9.2	3.5	2.6	1.2	.1						1350		1350	
																		1350				

Element (X)	ΣX^1	ΣX^2	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4887881	74815	84.710	6.68	1350							
Dry Bulb	9215000	97100	71.9	6.224	1350			66.8	66.8	26.8	.7	90
Wet Bulb	8881700	88800	65.7	6.268	1350			28.8	8.1			90
Dew Point	6115000	10000	45.3	6.700	1350	1.1	7.6					90

USAFETAC FORM 0-26-5 (OLA) REVISIONS OUTSIDE OF THE FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04742 PEASE AFB N H/PURYSMOUTH
STATION STATION NAME

56-70

YEARS

JUN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
96/ 95												.1																				2	2			
94/ 93												.1	.1	.2																		6	6			
92/ 91												.2	.2	.1																		12	12			
90/ 89										.1	.2	.2	.5	.7	.1	.2	.1															34	34			
88/ 87									.1	.7	1.0	.5	.3	.1	.1	.1																39	39			
86/ 85								.1	.2	1.1	.8	.5	.1	.1	.1																	58	58			
84/ 83							.2	.4	.9	1.0	1.0	.8	.2	.3																		64	64			
82/ 81					.1	.8	1.0	1.0	.8	1.1	.5	.1																				73	73			
80/ 79				.1	.3	.7	.8	.6	1.0	1.0	.7	.6																				78	78			
78/ 77				.4	.9	1.0	.4	.7	1.3	1.1	.7																					89	89	9		
76/ 75		.1	.2	.6	.9	.7	1.4	.9	1.1	.5	.2																					90	90	12		
74/ 73		.1	.6	.2	.7	1.1	.6	.6	1.2	.7																						77	77	64	6	
72/ 71		.2	.9	1.2	.7	1.0	1.0	.7	.7	.2	.2	.1																				94	94	70	11	
70/ 69		.6	.8	1.2	1.0	1.0	1.4	1.4	.4	.7																						111	111	112	25	
68/ 67	.1	.3	.7	.7	1.0	1.0	1.0	.7	.4	.1																						83	83	87	58	
66/ 65	.1	.7	1.4	1.4	.7	.3	.9	.4	.2	.1																						91	91	111	64	
64/ 63	.1	1.0	.9	1.0	.8	1.0	.5	.1																								68	68	131	110	
62/ 61	.1	.7	1.1	.8	1.4	.3	.4	.1																								73	73	145	99	
60/ 59	.1	1.0	.2	1.0	.7	.7	.1																									52	52	131	85	
58/ 57	.1	1.4	.4	.2	.2	.1																										37	37	129	94	
56/ 55	.4	2.3	.9	.5	.1																											57	57	111	140	
54/ 53	.1	1.3	.4																													27	27	123	97	
52/ 51	.7	.9	.1																													19	19	73	124	
50/ 49	.1	.8																														12	12	44	108	
48/ 47		.1																														2	2	12	92	
46/ 45	.1																															2	2	4	67	
44/ 43																																			65	
42/ 41																																			36	
40/ 39																																			39	
38/ 37																																			10	
36/ 35																																			8	
34/ 33																																			1	
32/ 31																																			2	
30/ 29																																			4	
Element (X)	Σ X ²		Σ X		Σ		Σ _n		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																																				

USAF ETAC FORM 0-26-5 (OL A) REVERSE SIDE OF THIS FORM ARE CIRCUITS

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

JUN

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
92/91									.1								.1																1	1			
90/89										.4							.1																2	2			
88/85							.1	.1	.4	.4	.1																						20	20			
84/82						.1	.4	.7	.2	.2	.1	.1																					24	24			
82/81				.1	.2	.7	1.1	.4	.4	.1	.1																						43	43			
80/79				.1	.4	1.1	.9	.8	.7	.3	.1																						39	39			
78/77			.1	.1	.9	.7	.9	1.0	.7	.2	.1																						62	62			
76/75			.1	.7	1.0	1.0	.6	.6	.6	.2	.1																						68	68	7		
74/73		.2	.5	1.3	1.0	.6	.8	1.2	.4	.2																							87	87	14	2	
72/71		.4	1.2	1.3	1.3	.7	1.4	.7	.0	.1																							104	104	41	9	
70/69	.1	.4	1.3	1.3	1.3	.7	1.3	1.0	.2	.1	.1																						110	110	97	26	
68/67		.4	.9	1.0	1.1	1.3	.6	.4	.2																								79	79	87	43	
66/65	.1	1.0	1.6	1.6	1.6	1.5	.6	.3																									111	111	109	80	
64/63	.4	1.6	1.3	1.0	1.6	.8	.3	.2	.1																								99	99	109	107	
62/61		1.3	1.1	1.0	.9	.9	.4	.1																									74	74	132	86	
60/59	.1	2.1	1.0	1.9	1.8	.6	.2	.1																									102	102	130	88	
58/57	.1	2.1	1.7	1.1	1.3	.2	.1																										90	90	130	108	
56/55	1.0	2.8	1.0	1.4	.4																												98	98	161	126	
54/53	.1	2.0	1.3	.4	.1																												93	93	122	126	
52/51	.4	1.4	1.1	.1																													41	41	98	141	
50/49		.7																															9	9	84	112	
48/47		.2	.1																														4	4	28	91	
46/45	.2																																3	3	9	86	
44/43	.1																																2	2	2	56	
42/41																																				29	
40/39																																				13	
38/37																																				14	
36/35																																				2	
34/33																																				2	
32/31																																				1	
30/29																																				2	
28/27																																				3	
TOTAL	2.7	17.5	16.0	14.7	13.5	11.1	9.6	8.0	6.4	4.9	.8	.1																					1380	1390	1380	1350	
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		
Rel. Hum.	447888		21794		48,048,000		1380		≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total																
Dry Bulb	447888		21794		48,048,000		1380						64.1		24.5		8.0																				
Wet Bulb	447888		21794		48,048,000		1380						18.4		1.8																						
Dew Point	447888		21794		48,048,000		1380						8.2		-1																						

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

DATA PROCESSING DIVISION
 USAF STAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

JUN
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
84/ 83								.1									1	1		
82/ 81								.1									4	4		
80/ 79				.1	.1	.3	.2										10	10		
78/ 77			.1	.2	.4	.3	.1										20	20		
76/ 75			.3	.7	1.3	.7	.3	.1									45	45		
74/ 73			.4	1.4	.7	.4											49	49	9	
72/ 71		.5	1.6	1.6	1.2	.4	.3	.1									78	78	11	8
70/ 69	.2	1.0	1.6	1.9	1.3	1.1	.4	.1	.1								104	104	20	21
68/ 67	.1	.4	1.4	1.3	1.4	1.8	.6	.1									95	95	84	34
66/ 65	.3	2.4	1.8	1.3	1.8	1.3	.1		.1								118	118	83	80
64/ 63	.2	2.0	2.0	1.4	2.0	.7	.1	.1									116	116	109	88
62/ 61		2.4	1.3	2.3	1.3	.3	.6										108	108	94	82
60/ 59	.4	2.7	1.9	1.6	1.6	.4											115	115	131	109
58/ 57	.4	3.6	2.6	1.6	.7	.4											124	124	126	101
56/ 55	.5	3.7	1.4	1.4	.8	.2	.1										137	137	170	140
54/ 53	.5	3.6	1.7	1.6	.2		.1										106	106	172	129
52/ 51	.3	3.0	1.9	.4	.1		.1										80	80	97	136
50/ 49		1.4	.8														26	26	111	124
48/ 47		.4		.1													7	7	69	97
46/ 45	.4																4	4	21	77
44/ 43																			3	34
42/ 41																			1	29
40/ 39																			1	14
38/ 37																				2
36/ 35																				1
34/ 33																				1
32/ 31																				1
30/ 29																				1
28/ 27																				1
TOTAL	3.729	1.120	5.518	6.625	6.0	8.7	3.5	.7	.1								1349	1349	1280	1350

Element (X)	Z ₁	Z ₂	Z	Z ₁	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	80-89%	70-79%	60-69%	50-59%	1350	≤ 0 F	≤ 32 F	≤ 67 F	≤ 72 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1350	1350	1350	1350	1350			27.1	8.4	.8		36.3
Wet Bulb	1350	1350	1350	1350	1350			10.3	4.4			14.7
Dew Point	1350	1350	1350	1350	1350			6.2	4.2			10.4

USAFETAC FORM 0-26-5 (OLA) REVISION 5-65 (OL) AIR WEATHER SERVICE OF THE FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

JUL

MONTH

PAGE 1 0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.-W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
82/ 81					.1																										1	1				
80/ 79					.1																										2	2				
78/ 77				.1	.3																										10	10				
76/ 75		.1	1.1	.4	.6	.6																									25	25				
74/ 73		.9	1.2	1.3	.4	.3																									58	58	9	3		
72/ 71	.1	1.3	1.3	1.1	.6	.2																									64	64	34	22		
70/ 69	.1	2.5	2.7	2.2	.9	.3																									120	120	67	38		
68/ 67	.6	4.5	4.8	1.7	1.0	.2																									179	179	82	72		
66/ 65	1.1	4.7	3.9	2.4	.7	.1																									174	174	178	110		
64/ 63	1.4	4.8	4.4	2.6	.4																										217	217	188	169		
62/ 61	.2	3.7	4.2	2.2	.4	.1																									179	179	199	168		
60/ 59	1.2	4.7	3.0	2.0	.4	.1																									161	161	194	188		
58/ 57	.4	2.9	2.2	.6	.4																										95	95	174	155		
56/ 55	.2	1.9	1.6	.4	.2																										58	58	118	165		
54/ 53	.4	.9	.6	.2																											29	29	77	111		
52/ 51		.2	.6																												9	9	62	79		
50/ 49		.1	.2																												4	4	21	53		
48/ 47																																		12	22	
46/ 45																																		1	19	
44/ 43																																			13	
42/ 41																																		7	7	
TOTAL		3.827	3.31	2.17	.6	4.2	1.9																										1393	1393	1393	

Element (X)	X ₁	X ₂	X ₃	X ₄	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	60-69	70-79	80-89	90-99	1393	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1393	1393	1393	1393	1393			21.2	7.1	-.1		38
Wet Bulb	1393	1393	1393	1393	1393			18.2	.4			33
Dew Point	1393	1393	1393	1393	1393			9.1	.2			33

USAF ETAC FORM 8-26-5 (DL A) REVISION 10/65

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH

59-70

JUL

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
80/79					.1																											1	1			
78/77					.1																											5	5			
76/75				.5	.1	.1	.1																									12	12			
74/73			.9	.7	.6	.6	.1																									35	35			
72/71		1.0	1.0	.7	.1	.1	.1																									49	49	30	15	
70/69	.1	2.5	2.1	.2	.1	.1	.1																									71	71	50	25	
68/67	.8	3.3	3.7	1.4	.5	.1	.1																									137	137	70	65	
66/65	1.6	3.7	3.9	1.2	.3																											176	178	129	88	
64/63	1.0	7.7	3.9	1.0	.3																											188	189	162	144	
62/61	1.1	8.0	3.8	1.4	.1																											201	201	203	165	
60/59	1.2	7.8	3.3	1.8	.1																											197	197	201	196	
58/57	.6	4.3	1.9	.6	.1																											103	103	177	162	
56/55	.3	3.5	2.0	.4																												86	86	122	149	
54/53	.6	2.3	1.7	.2																												68	68	110	121	
52/51	.2	1.4	1.1	.1																												40	40	61	110	
50/49		.9	.1																													14	14	61	54	
48/47		.4	.1																													7	7	26	35	
46/45																																			7	27
44/43																																				14
42/41																																				1
TOTAL	7,590	329.5	9.7	2.5	.5																												1392	1395	1392	1392

USAF/ETAC FORM 0-26-5 (OL A) REVERSE SURFACE TEMPERATURE OF THE FOG-ALC CALCULATOR

Element (X)	Z ₁	Z ₂	X	C ₁	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	2000000	2000000	24.0	0.207	1392	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2000000	2000000	24.0	0.207	1392			28.7	3.8			33
Wet Bulb	2000000	2000000	24.0	0.207	1392			18.1	.1			33
Dew Point	2000000	2000000	24.0	0.207	1392			7.7				33

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

DATA STATION PHASE AFB N H/PORTSMOUTH STATION NAME

86-70 YEARS

YEARS

JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb
88/ 87									.1									1	1	
84/ 83																		3	3	
82/ 81				.1	.1	.1												5	5	
80/ 79				.2	.4	.1	.1											12	12	
78/ 77			.4	.7	.6	.4	.1											29	29	
76/ 75		.2	1.3	.6	.6	.3												42	42	1
74/ 73	.1	.6	1.6	1.5	1.1	.6	.6	.1										87	87	21
72/ 71	.1	1.6	1.9	1.7	1.1	.6	.6	.1										102	102	54
70/ 69	.1	1.9	3.6	2.6	1.8	.9	.3											155	155	73
68/ 67	.8	2.6	6.3	2.7	2.2	.9	.1											186	186	120
66/ 65	.7	4.6	3.7	2.7	2.2	.6	.3	.1										207	208	131
64/ 63	.9	6.5	3.2	2.7	1.0	.6												179	179	202
62/ 61	.6	3.0	2.4	2.4	.7	.1												197	197	204
60/ 59	.9	6.7	1.8	1.7	.3	.1												127	127	199
58/ 57	.1	1.7	1.2	.8	.3													37	37	173
56/ 55	.3	.9	.6	.3														32	32	112
54/ 53		.1	.2	.1														6	6	52
52/ 51		.2	.1	.1														6	6	28
50/ 49																				14
48/ 47																				4
46/ 45																				
44/ 43																				26
42/ 41																				10
40/ 37																				2
TOTAL	3.9	28.5	26.3	21.0	12.7	5.3	1.9	.3	.1									1393	1394	1394

Element (R)	ΣH^2	ΣX	ΣY	ΣZ	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	000000	110000	20	0.0	1394	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	000000	000000	000000	000000	1394			11.0	11.0	0.0		22
Wet Bulb	000000	000000	000000	000000	1394			11.0	1.0			12
Dew Point	000000	000000	000000	000000	1394			11.0	0.0			11

USAFETAC FORM 0-26-5 (O.L.A.) REVISION 1-64

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 56-70 JUL
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
96/95																.1		1	1	
96/93																.1		1	1	
92/91																.1		0	0	
90/89																.1		12	12	
88/87							.1	.3	.5	.3	.2	.1						20	20	
88/85							.4	1.2	.4	.1	.1	.1						29	29	
84/83				.1	.4	.6	.9	.9	.4	.1	.1							45	45	
82/81				.4	1.1	1.4	1.1	.9	.9	.1	.1							23	23	
80/79			.1	.6	1.4	1.4	2.2	1.0	1.0	.4								115	115	
78/77		.1	.4	1.2	2.1	1.4	1.2	1.4	1.4	.5								141	141	0
76/75		.2	.7	1.2	2.4	2.4	2.1	1.9	.9	.2	.2							171	171	36
74/73		.4	1.1	1.9	2.1	2.0	1.9	1.4	.9	.3	.1							170	170	90
72/71		.6	1.0	1.9	1.4	2.2	1.9	.8	.4	.9								145	145	105
70/69	.1	.4	1.7	1.5	1.1	2.1	1.4	.7	.4	.9								131	131	141
68/67	.3	1.4	1.4	.9	.5	1.1	1.2	.4	.1									104	104	150
68/65	.4	1.4	1.4	.5	.7	.4	.4	.1										81	81	192
64/63	.4	1.8	1.5	.6	.1	.1	.2	.1										68	68	180
62/61	.1	1.5	.7	.3														38	38	188
60/59	.2	.8	.2		.1													18	18	142
58/57		.1																2	2	87
56/55	.1	.1																4	4	54
54/53																				12
52/51																				9
50/49																				2
48/47																				
46/45																				
44/43																				
42/41																				
40/39																				
38/37																				
36/35																				
TOTAL	1.8	9.0	11.0	11.0	11.0	11.0	11.0	7.0	2.5	.5	.1							1395	1395	1395

FORM 0-26-5 (OLA) 10-65 (USAFETAC)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

DATA STATION PHASE AFB N W/PORTSMOUTH STATION NAME

56-70 YEARS

JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
102/101																.1															1	1				
100/99																																1	1			
98/97																																1	1			
96/95																										.1							7	7		
94/93																	.3	.1						.2								13	13			
92/91											.1	.1				.4	.3						.2									23	23			
90/89							.1			.2	1.0	.3	.6	.5	.1		.1						.1									41	41			
88/87						.1	.1	.2	.6	1.1	.8	.9	.2										.2									52	52			
86/85				.1	.1	.4	1.4	1.6	1.5	.8		.4	.1	.2									.2									92	92			
84/83			.1	.4	.8	1.5	1.7	1.7	1.6	.4	.1	.2																				115	115			
82/81		.1	.1	.6	.4	1.4	1.2	1.6	1.4	.6	.1																					107	107	1		
80/79		.1	.7	1.1	1.7	.8	2.3	1.6	1.9	.7	.1																					155	155	4	1	
78/77		.1	.6	1.4	1.4	2.4	1.7	2.6	.8	.5	.1																					162	162	22	2	
76/75	.1	.4	.9	.8	.9	1.0	1.9	1.0	1.0	.1	.1																					116	116	27	6	
74/73	.4	.5	1.6	1.8	1.1	1.4	1.0	.9	.9	.1																						130	130	95	17	
72/71	.4	.9	1.1	2.0	.9	1.4	1.1	.4	.1																							115	115	124	23	
70/69	.4	1.4	1.1	.8	.4	.4	1.0																									77	77	152	67	
68/67	.8	1.1	.9	.6	.3	.7	.1	.2																								63	63	166	100	
66/65	.4	.9	1.0	.6	.3	.2																										53	53	209	140	
64/63	.1	.9	.9	.6	.1	.1																										27	27	168	122	
62/61		1.3	.4																													26	26	173	144	
60/59		.2																														3	3	111	124	
58/57		.1																														2	2	85	120	
56/55	.2																															3	3	26	110	
54/53																																			3	74
52/51																																			3	77
50/49																																				72
48/47																																				62
46/45																																				27
44/43																																				17
42/41																																				21
40/39																																				8
38/37																																				3
36/35																																				1
Element (X)	2 ₁																																			
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				
		Mean No. of Hours with Temperature																																		
		± 0 F					± 32 F					± 67 F					± 73 F		± 80 F		± 93 F			Total												

USAFETAC FORM 6-24-5 (OL. A) PREVIOUS EDITIONS OBSOLETE

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 STATION PRASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS JUL MONTH
PAGE 2 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
34/ 33																																				
TOTAL	6	5.7	7.0	8.5	10.3	8.9	13.4	15.8	13.2	10.2	4.2	1.4	.2	.1	.1	.1		1395			1															
																	1395		1395																	

UNAFETAC FORM 8-64 (01.A) CHECK REVERSE SIDE OF THE FORM FOR COORDINATE

Element (K)	1st	2nd	3rd	4th	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 60 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	100	100	100	100	1395			20.7	47.7	88.0	1.8	92
Dry Bulb	100	100	100	100	1395			20.7	47.7	88.0	1.8	92
Wet Bulb	100	100	100	100	1395			20.7	47.7	88.0	1.8	92
Dew Point	100	100	100	100	1395			20.7	47.7	88.0	1.8	92

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

JUL

MONTH

PAGE 1 1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B. W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb
96/ 95											.1	.1	.1				4	4		
94/ 93											.1	.4	.2	.1			13	13		
92/ 91								.1	.5	.4	.1						16	16		
90/ 89							.2	.7	.4	.3	.1	.2	.1				28	28		
88/ 87						.1	.7	.4	1.2	.8	.3	.3	.1				54	54		
86/ 85					.1	.6	.6	1.3	1.1	1.1	.6	.3	.1				82	82		
84/ 83			.1	.1	.6	1.3	1.6	1.1	.9	1.0	.5	.1					101	101		
82/ 81			.2	.4	1.1	1.7	1.1	1.6	.6	.5							97	97		
80/ 79		.3	.4	.9	1.4	1.0	1.2	1.6	1.3	.6	.3						128	128	2	
78/ 77		.4	.9	1.0	.7	1.4	1.6	1.9	.6	.6							129	129	16	1
76/ 75		.6	1.3	1.7	1.1	2.4	1.3	.6	.3	.4	.1						144	144	53	3
74/ 73		.8	1.1	1.6	1.3	1.6	1.9	1.6	1.1	.2	.1						164	164	68	16
72/ 71	.1	.4	1.4	2.1	1.1	.9	1.0	.9	.4	.1							114	114	133	49
70/ 69	.1	.6	1.6	1.7	1.4	1.6	1.3	.1	.1								113	113	188	74
68/ 67	.2	1.1	1.6	.6	1.0	.4	.4	.1									77	77	159	92
66/ 65	.1	.6	1.1	.9	.9	.2	.1										34	34	180	140
64/ 63		.6	1.2	1.3	.7	.1	.1										48	48	201	136
62/ 61	.1	1.3	.4	.1	.1												33	33	178	148
60/ 59		.4															5	5	154	133
58/ 57	.1	.1															3	3	82	142
56/ 55	.1																2	2	13	112
54/ 53																			4	102
52/ 51																				92
50/ 49																				66
48/ 47																				43
46/ 45																				18
44/ 43																				17
42/ 41																				9
40/ 39																				10
38/ 37																				4
36/ 35																				2
34/ 33																				1
TOTAL	.0	0.2	9.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	1395	1395	1395	1395

15871AC
 FORM 6-26-5 (OL. A)
 REPRODUCED BY PERMISSION OF THE HEAD AIR OFFICER

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70

YEARS

JUL
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B.-W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		>31	Dry Bulb	Wet Bulb	Dew Point
92/ 91											.1							1	1		
90/ 89								.1	.1	.1	.2	.1						8	8		
88/ 87						.1	.1	.3	.1	.1								12	12		
86/ 85						.4	.4	.4	.1	.1								18	18		
84/ 83				.1	.5	.5	.6	.6	.4	.1	.2							41	41		
82/ 81				.4	.4	.5	.8	.5	.6	.4	.1							52	52		
80/ 79			.1	.5	1.1	1.2	1.4	.7	.4	.4								79	79		
78/ 77			.2	.7	1.6	1.4	.9	.8	.7	.2	.1							92	92	8	
76/ 75		.1	.9	1.2	1.4	1.6	1.0	.9	.5	.2	.1							110	110	26	2
74/ 73		.5	1.6	1.5	1.6	2.0	2.0	.4	.2	.1								136	136	39	14
72/ 71	.1	.9	1.9	2.3	1.5	1.9	1.0	.8	.3	.1								149	149	79	38
70/ 69	.1	.7	2.7	1.6	1.5	1.8	1.0	.7	.1	.1								164	164	130	39
68/ 67	.1	2.9	3.6	1.6	2.5	1.3	1.1	.1										186	186	145	89
66/ 65	.6	2.7	2.6	1.7	1.9	1.2	.4											152	152	195	142
64/ 63	.4	2.2	1.5	1.2	.9	.3	.1											91	91	197	164
62/ 61	.1	2.4	1.6	1.1	.1	.1												77	77	201	160
60/ 59	.4	1.4	.2	.3														32	32	161	147
58/ 57		.6	.1															12	12	132	162
56/ 55	.2																	3	3	63	118
54/ 53																				15	92
52/ 51																				4	82
50/ 49																					48
48/ 47																					37
46/ 45																					22
44/ 43																					8
42/ 41																					4
40/ 39																					3
38/ 37																					2
36/ 35																					1
TOTAL		2,000	217	214	214	210	210	0.3	2.7	1.7	.6							1395	1395	1395	1395

FORM 0-26-5 (G.L.A.)
 USE PREVIOUS EDITIONS OF THIS FORM AND CHECKSHEET
 USAMETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

067A3 PEASE AFB N H/PORTSMOUTH

56-70

JUL

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
84/ 83						.1	.1	.1										4	4																
82/ 81				.1	.1	.1	.2											8	8																
80/ 79			.1	.4	.4	.3	.1											19	19																
78/ 77			.7	1.0	.4	.1	.3											35	35																
76/ 75		.1	1.2	1.8	1.1	.6	.1	.2										73	73	4															
74/ 73		.1	1.5	1.6	1.9	.4	.1											78	78	27	6														
72/ 71	.1	1.4	1.5	2.2	1.9	.8	.4											114	114	54	28														
70/ 69	.2	1.9	2.2	2.1	1.8	.8	.2	.1										143	143	91	37														
68/ 67		3.2	4.1	3.4	1.6	.8	.2	.1										188	188	109	74														
66/ 65	1.1	3.3	3.7	4.2	1.6	.7	.1	.3										227	227	193	119														
64/ 63	.4	4.4	2.9	2.1	1.4	.6	.1											165	165	190	192														
62/ 61	.6	3.2	2.0	2.8	1.0	.6	.1											170	170	200	181														
60/ 59	.4	3.1	2.2	1.1	.6	.1												103	103	196	198														
58/ 57	.1	1.1	.7	.1	.4	.1												34	34	141	168														
56/ 55	.1	.7	.2	.1														16	16	111	130														
54/ 53	.2	.1																4	4	30	102														
52/ 51																				22	78														
50/ 49																				7	40														
48/ 47																					18														
46/ 45																					21														
44/ 43																					8														
42/ 41																					8														
40/ 39																					6														
38/ 37																					1														
TOTAL	2.926	7.22	9.24	1.34	2.0	0.2	2.1	.7	.1									1295	1295	1295	1295														

Element (X)	ΣW^2	ΣW	ΣW	ΣW	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1000000	100000	100000	100000	1000	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1000000	100000	100000	100000	1000			66.1	14.8	1.4		92
Wet Bulb	1000000	100000	100000	100000	1000			19.0	2.1			92
Dew Point	1000000	100000	100000	100000	1000			11.0	.4			92

USAFETAC FORM 0-26-5 (01-4) 26-5

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

AUG

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								
80/ 79			.1				.1											2	2										
78/ 77			.3	.1	.1	.1	.1											8	8										
76/ 75			.5	.9	.1													18	18	2									
74/ 73		.6	1.0	.9	.1													36	36	4	4								
72/ 71		.9	1.6	1.6	.4	.1												64	64	26	3								
70/ 69	.1	2.4	2.7	2.4	.4	.2												116	116	50	24								
68/ 67	.4	2.7	4.8	1.7	.6	.1												146	146	93	63								
66/ 65	.6	4.2	5.0	2.1	.3		.2											174	174	121	91								
64/ 63	1.5	3.6	4.4	2.0	.1													190	190	193	154								
62/ 61	.7	3.9	3.9	2.0	.4	.1												181	181	182	170								
60/ 59	1.4	3.7	2.9	1.4	.3													156	156	202	174								
58/ 57	.6	4.0	2.8	1.3	.2													124	124	169	200								
56/ 55	.4	2.0	2.2	.9	.2													79	79	120	134								
54/ 53	.1	2.2	1.4	.4	.1													58	58	81	114								
52/ 51	.1	.8	.7	.1														20	20	74	57								
50/ 49		.8	.4															16	16	52	84								
48/ 47		.1																1	1	18	49								
46/ 45				.1														2	2	2	22								
44/ 43			.2	.1														4	4		18								
42/ 41																					4								
40/ 39																				6	1								
38/ 37																					6								
TOTAL	5.9	97.6	84.1	16.0	3.3	.8	.4											1395	1395	1395	1395								

Element (X)	X ₁	X ₂	X	X ₂	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	100.0000	117.0000	84.0	8.487	1395	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	80.0000	77.0000	74.0	1.770	1395			26.0	4.3			30
Wet Bulb	78.0000	75.0000	72.0	1.817	1395			11.7	.4			12
Dew Point	68.0000	65.0000	62.0	4.100	1395			6.9	.3			7

USAF ETAC FORM 0-26-5 (OL A) REVERSE NUMERICAL ERRORS OF THE FORM ARE CORRECTED

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

AUG
MONTH

PAGE 1 0300-0300
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														
76/ 75			.5	.1	.1	.2												13	13																
74/ 73		.8	.6	.9														31	31	2	1														
72/ 71		1.0	1.1	.4	.1													37	37	23	8														
70/ 69		2.2	2.3	.5	.3	.1												74	74	26	28														
68/ 67	.1	2.9	3.4	.9	.1													105	105	62	45														
66/ 65	1.0	4.5	3.8	.8	.1													162	162	112	85														
64/ 63	1.4	6.3	3.5	1.0		.1												174	174	149	126														
62/ 61	1.2	7.9	3.5	1.2	.3													197	197	176	160														
60/ 59	1.4	6.9	2.9	.7	.1	.1												167	167	194	176														
58/ 57	1.1	5.0	2.4	.5	.1	.1												126	126	170	170														
56/ 55	.9	3.9	2.4	.4	.1													106	106	139	147														
54/ 53	.1	2.8	2.5	.4														81	81	85	113														
52/ 51	.2	2.5	2.9	.1	.1													81	81	90	87														
50/ 49	.1	1.3	.9	.1	.1													35	35	76	70														
48/ 47	.1	1.2	.1															19	19	57	72														
46/ 45		.1																1	1	20	63														
44/ 43				.1														2	2	1	28														
42/ 41			.1	.1														3	3	1	5														
40/ 39			.1															1	1	1	2														
38/ 37																				4	1														
36/ 35																				1	1														
34/ 33																				1	2														
32/ 31																				3	3														
TOTAL	7.5	49.5	33.0	8.2	1.2	.3												1395	1395	1395	1395														

USAFETAC FORM 16-64 0-26-5 (OLA) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	10881192	101310	67.0	8.307	1395	$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	2240000	21130	61.0	6.166	1395			17.3	2.9			22
Wet Bulb	2240000	21771	68.6	6.102	1395			8.2	.1			22
Dew Point	2240000	22827	67.0	6.674	1395			5.8	.1			22

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06769 PEASE AFB N H/PURTSMOUTH

80-70

AUG

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
82/ 81				.1														1	1																
80/ 79						.1	.1											2	2																
78/ 77			.1	.2	.4	.1												13	13																
76/ 75		.2	.3	.4	.5	.5												40	40	2															
74/ 73		.2	1.0	1.6	.5	.2	.1											58	58	8	3														
72/ 71	.1	1.1	2.2	1.6	.6	.4												82	82	31	13														
70/ 69	.1	1.6	2.4	2.6	.9	.3	.1											110	110	59	28														
68/ 67	.2	3.2	4.5	1.7	1.2	.6	.1											161	161	97	78														
66/ 65	.8	3.8	3.8	2.1	.9	.6	.1											168	168	142	93														
64/ 63	.4	4.5	4.7	1.8	1.2	.4												182	182	180	149														
62/ 61	.8	4.1	3.6	1.9	.9	.5												164	164	197	155														
60/ 59	.9	4.1	2.9	1.9	.8													149	149	174	163														
58/ 57	.9	3.6	2.0	1.4	.1													106	106	170	152														
56/ 55	.3	1.7	2.3	.8	.1													72	72	138	162														
54/ 53		1.4	1.1	.2		.1												39	39	94	110														
52/ 51		1.0	.9			.1												29	29	75	87														
50/ 49	.1	.4	.2	.1	.1													11	11	35	91														
48/ 47		.3		.1														2	2	21	58														
46/ 45																				4	47														
44/ 43				.1														2	2	4	16														
42/ 41			.1															1	1	1	1														
40/ 39																				1															
38/ 37																				2	1														
36/ 35																					2														
34/ 33																					4														
32/ 31																					2														
TOTAL	4.2	1.3	1.1	0.9	0.5	0.7	.4											1395	1395	1395	1395														

Element (K)	ΣT	ΣK	Σ	Σ_n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	0-100	10-20	21-30	31-40	1395	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	273,000	20,000	22,000	2,000	1395			21.1	7.4	.1		93
Wet Bulb	200,000	10,000	10,000	2,000	1395			12.1	.7			93
Dew Point	47,000	10,000	27.7	4,667	1395		.1	8.1	.2			93

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

86-70

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																			
90/ 89								.1	.1	.1																							4	4					
88/ 87								.2	.2	.2																								11	11				
86/ 85						.1	.2	.6	.1	.3	.2																							21	21				
84/ 83						.1	.9	.4	.8	.2																									35	35			
82/ 81				.2	.6	1.3	1.6	1.1	.4	.1																									75	75			
80/ 79				.5	1.8	1.6	2.0	.8	.8	.1																									109	109			
78/ 77			.3	1.3	1.4	2.2	1.7	1.3	.5	.1																									121	121	2		
76/ 75			.6	2.4	2.4	2.4	1.6	1.1	.6	.1																									196	196	17		
74/ 73		.4	.9	2.1	2.9	1.2	1.5	1.1	.6	.2																									154	154	62	4	
72/ 71		.6	1.4	1.9	1.5	2.7	1.4	1.7	.5	.1																									160	160	97	39	
70/ 69		.6	1.6	1.7	1.3	1.5	2.4	.7	.3																										141	141	133	59	
68/ 67		1.0	1.1	1.3	1.7	1.9	1.4	1.0																											134	134	186	106	
66/ 65	.1	1.4	1.6	1.6	1.3	1.4	.9																												116	116	172	125	
64/ 63	.1	1.1	1.5	.8	.5	.7	.4	.1																											72	72	144	147	
62/ 61		1.0	.4	.4	.4	.4	.1	.1																											37	37	159	159	
60/ 59	.1	1.3	.6	.1			.1																												32	32	147	143	
58/ 57	.1	.4			.1	.2	.1																												13	13	142	120	
56/ 55		.2	.1																																4	4	76	110	
54/ 53		.2					.1																												4	4	41	90	
52/ 51																																					7	76	
50/ 49																																					4	70	
48/ 47																																					3	36	
46/ 45																																					1	31	
44/ 43																																						37	
42/ 41																																						11	
40/ 39																																						3	
38/ 37																																						4	
36/ 35																																						3	
34/ 33																																						1	
TOTAL		.6	8.1	10.1	14.5	21.0	22.8	24.0	21.0	2.2	0.3	.9	.1																							1393	1393	1393	
Element (X)	Σ X²		Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature						Total																						
Rel. Hum.	4000000		100000		441000		100000		1393		= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F																		
Dry Bulb	720000		100000		720000		720000		1393						76.5		65.5		13.1					93															
Wet Bulb	270000		270000		410000		410000		1393						22.1		2.6					93																	
Dew Point	4000000		100000		441000		100000		1393						13.8		.3					93																	

USAFETAC FORM 0-26-5 (OL A) REVISION 10-65

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

047A3 PEASE AFB N H/PORTSMOUTH

58-70

AUG

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
96/95											.1	.1	.1					4	4					
94/93											.1	.2	.1					7	7					
92/91											.1	.4	.4	.1	.1	.1		16	16					
90/89											.1	.7	.6	.1	.1			24	24					
88/87								.1	.4	.5	.9	.6	.1					36	36					
86/85								.7	1.6	1.1	1.3	.6		.1	.1			79	79					
84/83						.1	1.7	1.4	1.9	1.4	1.1	.4	.1					113	113					
82/81						1.2	1.3	1.7	1.8	1.9	.7	.2	.1					124	124					
80/79			.1	.4	1.1	1.3	1.6	2.2	1.4	1.4	.7	.2						136	136	1				
78/77			.1	.6	.6	1.1	2.0	2.0	1.6	.6	.6							131	131	11				
76/75		.1	.1	.8	1.3	1.5	1.4	1.4	.9	.9								118	118	50				
74/73		.2	.5	.6	2.0	1.2	1.4	2.1	1.5	.9								166	166	93				
72/71		.1	.6	.9	1.4	.5	1.9	3.1	1.1	.1								137	137	111				
70/69	.1	.5	1.1	1.1	.7	1.2	1.3	1.4	.6									111	111	128				
68/67	.1	.3	1.1	.7	.8	1.1	.1	.6										68	68	160				
66/65	.1	1.2	1.2	.9	.4	.4												63	63	192				
64/63	.1	.6	.7	.6	.1	.3	.1	.1										37	37	154				
62/61	.1	.2	.5					.2										13	13	166				
60/59	.1	.7	.3			.1	.1											18	18	141				
58/57	.1	.1				.1	.1											4	4	139				
56/55		.3																4	4	49				
54/53		.1	.1															2	2	16				
52/51																				3				
50/49																				2				
48/47																				4				
46/45																				1				
44/43																								
42/41																								
40/39																								
38/37																								
36/35																								
34/33																								
TOTAL	.8	4.6	6.9	6.7	9.0	12.5	16.6	19.0	13.6	7.9	1.6	.6	.3					1393	1393	1393				
Element (X)	Σ X ²		Σ X		Σ X	Σ X	No. Obs.		Mean No. of Hours with Temperature						Total									
Rel. Hum.	4787098		72000		26.415	222	1393		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	7	93								
Dry Bulb	1122018		14000		21.4	272	1393				23.2	42.3	21.8			93								
Wet Bulb	1020011		13000		14.8	272	1393				24.2	18.3	.1			93								
Dew Point	4800011		11000		14.8	272	1393				13.7	.8				93								

FORM 0-24-3 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
ETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH

86-70

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1900-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
96/95									.1		.1							2	2						
94/93									.1	.2								5	5						
92/91									.1	.4	.2	.1	.1		.1			13	13						
90/89									.4	.4	.1	.3	.1		.1			20	20						
88/87						.1	.6	.3			.9	.4						35	35						
86/85					.2	.4	1.6	1.1	1.1	.5	.2	.4						77	77						
84/83				.3	1.4	1.1	1.4	1.7	.8	.5								101	101						
82/81				.4	1.4	.9	1.4	.9	.5	.1	.1							79	79						
80/79		.1	.2	1.1	1.1	2.0	1.6	.7	1.1	.2								119	119	1					
78/77		.2	.5	.4	1.4	2.4	1.4	.9	.9	.1								123	123	11					
76/75		.2	.4	.6	1.7	2.0	1.4	1.5	1.7	1.1	.1							149	149	38	3				
74/73		.2	.3	1.1	1.9	1.1	1.4	2.1	2.0	.4	.1							148	148	88	8				
72/71	.1	.4	.9	1.1	1.7	2.0	1.6	1.1	1.1	.1								141	141	92	39				
70/69	.1	.4	.6	1.5	.9	1.1	2.0	1.4	.3									118	118	126	83				
68/67		.9	1.3	.4	1.0	1.4	.5	.1	.3									83	83	176	80				
66/65	.3	1.0	1.0	1.2	1.2	.6	.2											77	77	169	92				
64/63		.6	1.4	.4	.4	.6	.1											49	49	147	134				
62/61		.9	.3	.2	.2	.1	.2											27	27	182	149				
60/59	.1	.6	.3															14	14	182	142				
58/57	.5	.3			.2													14	14	187	126				
56/55			.2															3	3	52	116				
54/53				.1														1	1	17	76				
52/51																				3	98				
50/49			.1															1	1	3	88				
48/47																				4	51				
46/45																				1	55				
44/43																					22				
42/41																					14				
40/39																					12				
38/37																					4				
36/35																					3				
TOTAL	1.0	3.9	7.0	7.3	11.3	12.2	11.2	12.0	9.2	2.0	.6	.1	.1					1395	1395	1395	1395				
Element (X)	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00	81.00			
Dry Bulb	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00			
Wet Bulb	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00			
Dew Point	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00	61.00			
No. Obs.	1395		1395		1395		1395		1395		1395		1395		1395		1395		1395		1395				
Mean No. of Hours with Temperature																									
= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total													
0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0			

USAFETAC FORM 0-26-5 (OL A) REVERSE REMOVAL SECTION OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PRASE APR N W/PORTSMOUTH
STATION STATION NAME

56-70

YEARS

AUG
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
90/89							.1	.1										2	2																
88/87									.1	.1								2	2																
86/85					.1	.3	.3	.4										17	17																
84/83					.2	.9	.3	.2										23	23																
82/81				.2	.4	.8	.8	.4	.2	.3								42	42																
80/79				.5	.9	1.4	.9	.2	.4	.3								58	58																
79/77			.3	.9	1.1	1.4	.8	.6	.3	.1								79	79	3															
78/75		.1	1.4	1.1	1.3	1.2	.9	.5	.2	.1								99	99	13															
74/73		.3	.6	1.1	2.5	1.6	.7	.6	.2									107	107	52	7														
72/71	.1	.4	1.1	2.8	2.7	1.1	.9	.7	.4									142	142	67	40														
70/69	.2	1.0	2.7	3.2	1.6	1.7	.9	.9	.1									170	170	93	56														
68/67		2.0	2.7	1.6	1.6	1.8	1.1	.3										193	193	124	65														
66/65	.4	1.8	2.4	1.9	2.8	1.4	.6	.1										160	160	196	122														
64/63	.1	1.4	2.1	2.3	2.0	.9	.1											128	128	172	147														
62/61	.3	3.3	1.8	1.4	.8	.4												111	111	151	152														
60/59	.6	1.4	1.1	1.0	.3	.1	.1											64	64	179	167														
58/57	.8	.4	.2	.2	.1													25	25	172	136														
56/55	.1	.1		.1	.2	.1												10	10	101	114														
54/53																				50	113														
52/51																				11	82														
50/49			.1															2	2	2	74														
48/47				.1														1	1	4	51														
46/45																				4	36														
44/43																					9														
42/41																				1	16														
40/39																					3														
38/38																					3														
36/35																					1														
TOTAL	2.4	12.9	16.0	10.5	10.9	13.2	6.5	4.9	1.0	.8								1399	1399	1399	1395														

Element (X)	ΣX ²	ΣX	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	71.80000	47.000	78.000	4.000	1399	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	47.00000	47.000	47.000	0.000	1399			23.4	28.4	7.8		93
Wet Bulb	47.00000	47.000	47.000	0.000	1399			23.8	4.8			93
Dew Point	47.00000	47.000	47.000	0.000	1399			11.2	.8			93

USAFETAC FORM 0-26-5 (O.L.A.) REPRODUCED BY THE PONS ARE COPIES

DATA PROCESSING DIVISION
 USAF STAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 56-70 AUG
 STATION STATION NAME YEARS MONTH

PAGE 1 2100-2200
 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
84/ 83						.1												1	1		
82/ 81			.1	.1	.1		.1	.1										7	7		
80/ 79			.1	.3	.7	.3	.1											21	21		
78/ 77			.1	.6	.4	.4												20	20	1	
76/ 75		.1	.6	1.1	1.0	.3	.1	.1										45	45	4	2
74/ 73		.4	1.2	1.9	1.0	.3	.1											70	70	12	3
72/ 71		1.1	1.6	2.2	1.7	.9	.2											104	104	49	11
70/ 69	.1	1.3	2.9	2.8	1.6	.1	.1											160	160	66	68
68/ 67	.2	2.6	3.9	2.3	1.2	.8	.1											184	184	106	68
66/ 65	.3	3.9	3.7	1.9	1.4	.4	.1											162	162	128	109
64/ 63	.6	3.1	3.7	1.9	1.4	.9												156	156	213	161
62/ 61	.7	4.7	2.3	2.2	1.6	.3												179	179	163	177
60/ 59	1.3	3.9	2.7	1.9	1.3	.2												158	158	169	188
58/ 57	.4	2.2	2.0	2.1	.1													96	96	162	122
56/ 55	.2	.4	.6	.6	.3													30	30	133	116
54/ 53		.4	.3	.1														11	11	82	103
52/ 51			.1	.1	.1													4	4	43	82
50/ 49																				12	72
48/ 47				.1														1	1	9	47
46/ 45			.1	.1														2	2	21	21
44/ 43																				2	10
42/ 41																				2	8
40/ 39																				1	1
38/ 37																					1
36/ 35																					2
TOTAL	1.924	4.428	2.26	2.12	2.8	4.2	1.1	.1										1395	1395	1395	1395

USAFETAC FORM 0-26-5 (O.L.A.) REVISION 1-65 (U.S. AIR FORCE)

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	221000	11000	75.11	877	1395	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Dry Bulb	221000	11000	75.11	877	1395			32.0	10.0	1.4		43
Wet Bulb	221000	11000	75.11	877	1395			12.7	1.1			43
Dew Point	221000	11000	75.11	877	1395			2.0	.3			43

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

SEP
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
78/77			.1														1	1		
76/75		.1	.1														4	4		
74/73		.6	1.3	.2													28	28	4	2
72/71	.1	.9	1.6	.3													39	39	12	9
70/69	.1	1.6	1.3	.8	.1												53	53	38	20
68/67		1.0	1.0	.6	.1	.1											34	34	32	40
66/65	.3	1.9	1.8	.8	.2	.1											70	70	34	40
64/63	.7	2.6	1.0	1.2	.4	.1											94	94	73	57
62/61	1.2	3.0	1.7	1.2	.4												101	101	91	76
60/59	.7	2.7	2.4	.8	.4												94	94	81	91
58/57	.7	3.6	2.9	1.2	.1	.1											119	119	99	67
56/55	1.3	5.6	2.1	1.9	.1												148	148	130	99
54/53	.8	4.7	2.3	1.3	.1												124	124	140	133
52/51	.4	3.8	2.1	1.6	.1												108	108	108	117
50/49	.5	3.5	2.7	1.1	.1												107	107	109	98
48/47	.3	2.9	2.6	.9													79	79	116	99
46/45	.1	2.3	.8		.1												46	46	89	94
44/43	.8	1.7	.7	.2													43	43	79	76
42/41	.3	1.3	.2	.9													29	29	40	79
40/39	.2	1.0	.2	.3													23	23	27	63
38/37		.9	.3														8	8	21	33
36/35		.1															2	2	16	23
34/33																			3	10
32/31																				4
30/29																				7
28/27																				8
26/25																				4
TOTAL	8.1	126.1	129.1	114.0	2.2	.4											1390	1390	1390	
Element (X)	Z ₁	Z ₂	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	68.8%	13.400	84.750	8.10	1390	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	1390								
Dry Bulb	68.8%	13.400	84.750	8.10	1390			10.4	2.2			98								
Wet Bulb	68.8%	13.400	84.750	8.10	1390			7.1	.3			98								
Dew Point	68.8%	13.400	84.750	8.10	1390	1.8	4.7	.1				98								

USAF ETAC FORM 0-26-5 (OL A) REVISION 10-65

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 56-70 SEP
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
76/75			.1														1	1		
74/73		.4	.1	.1													10	10		
72/71	.1	.7	1.2														27	27	13	11
70/69	.1	1.6	1.2	.2													44	44	16	9
68/67	.6	1.9	1.6	.3		.1											64	64	38	35
66/65	.4	1.7	1.0	.2													45	45	43	37
64/63	.8	2.7	.8	.3	.1												66	66	68	49
62/61	.9	2.3	1.0	1.0	.2												85	85	68	64
60/59	1.1	3.0	2.0	1.1	.9												104	104	73	79
58/57	.4	3.9	2.1	.4	.1												92	92	71	58
56/55	1.6	4.9	1.7	.5	.1												118	118	126	99
54/53	1.2	4.7	2.4	.4	.1												121	121	133	95
52/51	1.0	4.3	2.4	1.1	.1												121	121	108	128
50/49	.9	4.7	2.6	.6													118	118	106	113
48/47	.2	4.1	2.8	.7													102	102	106	98
46/45	.3	3.8	2.0	.1													83	83	109	93
44/43	.3	1.3	.7	.1													31	31	89	67
42/41	.7	1.3	1.1	.1													43	43	53	88
40/39	1.1	1.3	.3	.4													42	42	43	79
38/37	.3	1.0	.2														20	20	36	48
36/35		.6	.1														10	10	14	30
34/33	.1	.1															3	3	16	18
32/31																			1	13
30/29																				7
28/27																				6
26/25																				2
TOTAL	12.1	1.0	7.3	6.3	1.3	.1											1330	1330	1330	1330

Element (X)	Σ	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1001000	17770	86.0	8.888	1330	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1001000	17770	86.0	8.888	1330			3.7	.7			30
Wet Bulb	1001000	17770	86.0	8.888	1330			.1	3.8			30
Dew Point	1001000	17770	86.0	8.888	1330			2.0	3.7			30

USAFETAC FORM 0-26-5 (OL-A) REVISION 10-64

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06763 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

SEP
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31		Dry Bulb	Wet Bulb	Dew Point
78/77			.1	.1														3	3		
76/75			.1	.4														7	7		
74/73		.4	.5	.2	.1													16	16	2	1
72/71	.1	.7	1.1	.4	.1													35	35	15	6
70/69	.3	1.5	1.4	.5	.1			.1										52	52	27	19
68/67	.1	1.4	2.0	.2	.1	.1	.1											56	56	30	35
66/65	.4	1.6	2.0	.4	.1	.1												67	67	35	33
64/63	.6	2.2	1.7	1.2	.7	.4												88	88	60	52
62/61	1.0	2.4	1.5	1.3	.3	.7												88	88	79	67
60/59	1.3	2.7	2.7	1.7	.7													123	123	74	76
58/57	.6	3.6	1.6	1.6	.6													109	109	106	74
56/55	.9	4.1	2.0	1.3	.7	.1												133	133	127	102
54/53	.8	3.2	2.4	1.0	.1	.1												102	102	120	99
52/51	.4	3.8	1.9	1.0	.6		.1											103	103	120	109
50/49	.7	3.6	3.0	1.4	.2													120	120	119	118
48/47	.3	3.0	1.3	1.0	.2													81	81	99	119
46/45	.1	1.9	1.6	.3	.1													54	54	93	81
44/43	.1	1.3	1.0	.2	.1													39	39	66	82
42/41	.7	1.1	.3	.1														32	32	60	68
40/39	.1	1.0	.5	.2														26	26	31	56
38/37	.3	.4																9	9	28	55
36/35		.2	.1															4	4	9	35
34/33																				6	20
32/31		.1																1	1	2	7
30/29																					5
28/27																					7
26/25																					2
24/23																					1
TOTAL	6.9	40.5	30.2	14.6	5.1	.4	.1	.1										1320	1350	1320	1350

Element (R)	Σ ₁	Σ ₂	Σ ₃	Σ ₄	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	≥ 67%	≥ 70%	≥ 75%	≥ 80%	≥ 85%	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1320	1350	1320	1350	1320			11.3	1.7			38
Wet Bulb	1320	1350	1320	1350	1320			6.3	.1			38
Dew Point	1320	1350	1320	1350	1320		1.3	6.1	.1			38

USAF ETAC FORM 0-26-5 (OL A) - REVERSE SIDE OF THE FORM IS CONTINUED

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

SEP

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
88/ 87									.1												2		2		
86/ 85								.1	.4	.1											8		8		
84/ 83						.2	.3	.1	.1			.1									12		12		
82/ 81					.1	.4	.4	.3	.2			.1									19		19		
80/ 79					.4	.9	.8	.3	.3	.1											37		37		
78/ 77			.1	.2	.4	.5	.5	.3	.2												31		31		
76/ 75		.2	.4	.7	1.0	1.0	.5	.4	.2												62		62	10	
74/ 73		.3	.4	.6	.9	1.0	.6	.4	.2												61		61	24	5
72/ 71		.3	.6	1.1	1.2	1.0	1.1	.5	.1												79		79	38	20
70/ 69		.5	.8	1.0	1.6	1.3	1.5	.9	.1												104		104	52	33
68/ 67		.5	1.2	1.6	1.6	1.9	1.6	.4	.1												118		118	47	44
66/ 65		1.3	1.2	1.7	1.9	2.1	1.3	.2													134		134	80	47
64/ 63	.1	1.3	1.0	1.4	2.2	1.7	1.3	.1	.1												124		124	97	57
62/ 61	.1	1.1	.7	.8	1.8	1.6	.7	.1													87		87	105	82
60/ 59	.4	1.6	1.2	1.3	1.9	1.3	.7	.1													113		113	124	73
58/ 57	.4	1.3	1.1	1.3	1.8	1.6	.4														109		109	132	114
56/ 55	.2	1.3	1.0	1.1	1.0	1.0	.3														81		81	132	78
54/ 53	.3	1.6	.8	1.0	1.6	.7	.2														84		84	107	107
52/ 51	.1	1.4	.6	.8	.6	.4															48		48	128	103
50/ 49	.1	.6	.3	.4	.3	.1															25		25	94	114
48/ 47	.2	.2	.1	.1	.1																10		10	63	119
46/ 45	.1	.1	.1																		2		2	51	83
44/ 43	.1	.1	.1																		3		3	27	74
42/ 41		.1																			1		1	12	51
40/ 39																								3	
38/ 37																									44
36/ 35																									26
34/ 33																									14
32/ 31																									10
30/ 29																									5
28/ 27																									6
26/ 25																									2
TOTAL	2.133	931.0	515.9	520.7	10.2	11.9	0.4	3.4	.1												1380		1390		1390
Element (X)	Σ X ²		Σ X		Σ X	Σ X	No. Obs.		Mean No. of Hours with Temperature				Total												
Rel. Hum.	4324000	80000	44.716	147	1380	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total													
Dry Bulb	4324000	80000	44.716	147	1380			38.5	15.8	3.7		90													
Wet Bulb	4324000	80000	44.716	147	1380			11.8	2.4			90													
Dew Point	4324000	80000	44.716	147	1380			1.8	0.8	.3		90													

USAFETAC FORM 0-26-5 (OL A) REVISIONS BEHIND OF THE FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06762 PEASE AFB N H/PORTSMOUTH

50-70

YEARS

SEP

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B.-W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
94/ 93																		3	3		
92/ 91																		3	3		
90/ 89								.1	.1	.4							12	12			
88/ 87							.3	.4	.6	.1	.1						22	22			
86/ 85					.1	.2	.2	.7	.1	.2							22	22			
84/ 83				.1	.6	.2	.7	.6	.1	.2							37	37			
82/ 81		.1	.1	.1	.4	.4	.7	.4	.1	.1							32	32			
80/ 79		.1	.3	.7	.6	1.2	.7	1.1	.2	.1							69	69	2		
78/ 77		.1	.2	.3	.6	.8	1.3	1.0	.3								61	61	9	1	
76/ 75	.1	.1	.1	.9	.6	.8	1.0	1.6	.1								73	73	25	8	
74/ 73	.1	.6	.1	1.0	1.1	.4	1.3	1.1	.2	.1							84	84	26	19	
72/ 71		.4	.9	1.1	1.3	1.6	1.1	1.0	.1	.2							109	109	46	14	
70/ 69	.1	.7	1.0	.8	2.4	1.3	2.0	.6	.1								122	122	42	33	
68/ 67	.2	.9	.8	1.1	2.0	1.6	1.0	.3	.2								106	106	73	26	
66/ 65	.8	.6	1.5	.7	.8	1.6	1.3	.6									103	103	67	48	
64/ 63	.1	1.0	.7	1.0	1.3	1.2	2.1	.3									107	107	122	39	
62/ 61	.9	.3	1.0	1.3	1.7	.7	.4	.1									89	89	115	77	
60/ 59	.1	1.3	.4	1.1	.7	1.4	1.8	.1									94	94	161	74	
58/ 57	.2	.6	.4	1.0	1.2	1.2	1.3	.2									82	82	113	104	
56/ 55	.6	.6	1.2	.2	.3	.9	.4										57	57	129	89	
54/ 53		1.6	.4	.3	.1	.4											39	39	120	92	
52/ 51	.1	.4	.1	.1	.1	.1											12	12	122	127	
50/ 49		.1		.1													3	3	67	94	
48/ 47	.3	.1															3	3	27	101	
46/ 45	.1		.1														2	2	29	84	
44/ 43																			13	78	
42/ 41																			2	34	
40/ 39																				27	
38/ 37																				32	
36/ 35																				28	
34/ 33																				24	
32/ 31																				26	
30/ 29																				4	
28/ 27																				3	
Element (H)	ΣH'				ΣH	H			Σ _n	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) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 80⁷⁰ SEP
STATION STATION NAME YEARS MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
20/ 25																										2	
26/ 23																											1
TOTAL	1.4	8.1	7.0	9.9	12.9	17.6	17.3	13.6	8.7	2.6	.7	.1										1350			1350		
																						1350		1350			

Element (K)	\bar{X}_1	\bar{X}_2	\bar{X}	σ_n	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	500100	70000	50, 517, 200		1350	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	500100	70000	50, 0, 0, 200		1350			20.2	27.9	11.1	.2	90
Wet Bulb	500100	70000	50, 0, 0, 200		1350			19.0	6.8			90
Dew Point	500100	70000	50, 0, 0, 200		1350		2.3	6.2	1.4			90

USAF ETAC FORM 8-64 0-265 (OLA) REVERSE SIDE OF THIS FORM ARE CHECKS

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH

56-70

SEP

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														
94/ 93							.1											1	1																
92/ 91								.1	.1									3	3																
90/ 89						.1	.1	.2	.3	.2								12	12																
88/ 87						.1	.1	.4	.4									14	14																
86/ 85					.1	.4	.4	.4	.2	.3								25	25																
84/ 83					.4	.4	.4	.5	.3	.1								30	30																
82/ 81					.7	.7	.3	.6	.4									35	35																
80/ 79		.1	.4	.6	.3	.8	.8	.1	.1	.2								43	43		2														
78/ 77			.4	.6	.8	.9	.5	.5	.4									57	57		7														
76/ 75		.2	.2	.2	.8	1.1	.7	.5	.4									57	57	24	2														
74/ 73		.1	.5	.8	.5	1.1	1.4	1.4	.4	.2								88	88	37	14														
72/ 71	.2	.7	.5	1.2	1.0	1.9	1.4	.4	.1	.1								105	105	42	17														
70/ 69	.1	1.0	.5	1.1	1.0	1.9	1.3	.4	.1									88	88	42	29														
68/ 67	.4	1.1	.6	1.6	1.1	1.6	1.3	.3										108	108	66	42														
66/ 65	1.0	.8	1.4	1.6	1.2	1.4	.6	.7										117	117	79	49														
64/ 63	.7	1.4	1.2	1.3	1.4	1.0	.8	.1	.1									105	105	80	32														
62/ 61	.2	1.0	.9	1.3	1.3	1.4	.7	.1	.1									106	106	119	80														
60/ 59	.4	1.5	.7	1.3	1.2	1.6	1.0	.2										106	106	152	73														
58/ 57	.4	1.3	1.0	.6	1.3	1.3	.7	.1										92	92	132	106														
56/ 55	.3	1.0	1.3	.9	.9	.4	.2	.1										69	69	156	102														
54/ 53	.1	1.6	.4	.7	.5	.4	.3											54	54	124	109														
52/ 51	.2	.6	.1		.1	.3	.1											20	20	104	102														
50/ 49	.2		.1		.1	.1												7	7	86	96														
48/ 47	.1	.1		.1														3	3	84	112														
46/ 45	.1	.1																3	3	26	73														
44/ 43																				13	87														
42/ 41																				7	57														
40/ 39																				2	40														
38/ 37																					28														
36/ 35																					25														
34/ 33																					16														
32/ 31																					20														
30/ 29																					8														
28/ 27																					2														
Element (X)	ΣX'		ΣX		X	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 (O.L.A.) REVERSE SIDE OF THE FORM USE CAREFULLY

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

86-70

SEP

PAGE 2 1300-1700
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	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
26/ 25																																				5	
24/ 23																																				3	
22/ 21																																				1	
TOTAL	2.0	9.7	10.1	10.5	16.1	15.5	15.2	11.5	6.1	2.4	.6																									1350	
																																				1350	

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH

66-70

SEP

PAGE 1 1800-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
86/ 85							.1											1	1																
84/ 83				.1		.1	.1											4	4																
82/ 81				.3	.3	.3	.1											13	13																
80/ 79			.1	.2	.4	.6	.3	.2										22	22																
78/ 77		.1	.1	1.0	.6	.4												30	30	1															
76/ 75		.1	.5	1.0	.7	.4	.1											42	42	9	1														
74/ 73		.1	.7	.4	.7	.4	.4	.1										36	36	12	7														
72/ 71		.2	.5	1.0	1.0	.6	.3	.2	.1									52	52	41	9														
70/ 69	.1	.6	.7	.7	.8	.6	.2	.2										53	53	41	33														
68/ 67		.8	1.0	1.2	1.2	1.0	1.0	.2	.1									90	90	40	39														
66/ 65	.1	2.1	1.2	1.9	1.0	.6	.2	.2										98	98	59	37														
64/ 63	.1	1.9	2.0	1.7	1.6	1.6	.6	.1	.1									129	129	68	59														
62/ 61	.7	1.9	2.0	1.6	1.0	1.9	.2	.1										120	120	118	70														
60/ 59	.4	2.7	2.2	1.1	2.2	.8	.1											142	142	110	92														
58/ 57	.4	2.7	2.4	1.7	1.9	.9	.2	.1										129	129	150	100														
56/ 55	.5	1.0	2.0	2.1	.7	.8		.1										104	104	160	129														
54/ 53	.5	2.4	2.0	2.3	1.0	.9												115	115	111	110														
52/ 51	.3	1.8	.9	1.0	.8	.2												68	68	161	104														
50/ 49	.4	1.0	1.4	1.9	.2	.2												60	60	104	106														
48/ 47		.2	.6	.6	.2	.1												19	19	72	102														
46/ 45	.1	.1	.1	.4	.2													13	13	58	92														
44/ 43			.1															2	2	28	84														
42/ 41																				14	58														
40/ 39																			9	26															
38/ 37																			4	28															
36/ 35																					25														
34/ 33																					13														
32/ 31																					9														
30/ 29																					2														
28/ 27																					9														
26/ 25																					3														
TOTAL	3.617	3.223	2.21	2.10	1.10	0.6	1.7	.2										1350	1350	1350	1350														
Element (H)	Σg		ΣH		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total																		
Rel. Hum.	750297		59045		71,484,959		1350		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total														
Dry Bulb	22128		22128		21,47,929		1350						22.9		9.9		1.7				90														
Wet Bulb	22001		22001		20,87,470		1350						9.6		1.8						90														
Dew Point	22001		22001		20,87,470		1350						1.8		6.1		.8				90														

USAFETAC FORM 0-26-5 (O.L.) REVERSE SIDE OF THIS FORM SET COMPLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

SEP

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
80/ 79			.1	.1		.1												3	3																
78/ 77		.1	.1	.2		.1												7	7																
76/ 75		.3	.9	.7	.1	.1												30	30	4															
74/ 73		.2	1.2	.5	.4													31	31	6	6														
72/ 71		.4	1.2	1.0	.7													44	44	25	7														
70/ 69	.3	.6	.7	.7	.6	.1	.1											64	64	63	33														
68/ 67	.1	1.3	1.3	1.0	.4	.1	.1											58	58	33	33														
66/ 65	.2	1.9	1.6	1.2	.7	.2												75	75	33	37														
64/ 63	.3	2.9	1.6	1.9	.7	.3												103	103	67	51														
62/ 61	.7	2.0	1.6	1.8	1.1	.3												114	114	110	90														
60/ 59	.7	3.3	2.7	1.4	1.3	.4												131	131	83	91														
58/ 57	.1	4.8	2.5	2.4	1.1	.1	.1											152	152	115	80														
56/ 55	1.0	3.3	2.8	1.8	.3	.1												128	128	158	110														
54/ 53	.5	3.1	2.0	1.3	.8		.1											105	105	106	128														
52/ 51	.3	3.1	2.7	1.5	.3	.1												108	108	141	102														
50/ 49	.5	2.3	2.3	1.1		.1												84	84	115	104														
48/ 47	.1	1.3	1.7	.4	.1													49	49	103	114														
46/ 45	.1	1.8	1.6	.4	.1													47	47	73	91														
44/ 43		.5	.5	.4	.1													21	21	46	73														
42/ 41		.2	.4	.2														11	11	38	71														
40/ 39		.1	.1															3	3	16	31														
38/ 37																				15	29														
36/ 35																				3	16														
34/ 33																					12														
32/ 31																					3														
30/ 29																					8														
28/ 27																					7														
26/ 25																					1														
TOTAL	4.9	4.1	2.9	2.0	1.9	0.0	2.3	.4										1350	1350	1350	1350														

Element (X)	Z ₁	Z ₂	Z ₃	Z ₄	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	888730	10870	80,213,222	1350	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	448888	7804	88,87,881	1350			14.8	4.7	.1		30
Wet Bulb	618811	7817	88,97,781	1350			7.4	.7			30
Dew Point	177880	7817	88,18,013	1350		1.4	3.3	.4			30

USAFETAC FORM 0-26-5 (OL A) 1-64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56=70

YEARS

OCT

PAGE 1 0000-0200
 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
74/ 73							.1										1	1		
72/ 71							.1										1	1		
70/ 69							.1										1	1		
68/ 67		.2	.1														4	4		
66/ 65	.1	.1	.1	.1	.2												8	8	4	1
64/ 63		.6	.1	.4													14	14	3	5
62/ 61	.1	1.1	.6	.4		.1	.1										33	33	16	7
60/ 59	.4	2.0	.6	.6	.2	.3	.1										39	39	34	23
58/ 57	.6	3.7	.9	.9	.1	.3											89	89	56	36
56/ 55	1.0	2.3	1.3	.8	.8	.1											88	88	79	67
54/ 53	.9	3.4	1.3	1.1	.5	.3	.1										105	105	75	73
52/ 51	.7	2.1	1.9	1.0	.6		.2										91	91	85	72
50/ 49	.5	3.3	1.4	1.6	.4												101	101	82	61
48/ 47	.9	3.7	2.8	1.4	.6												129	129	110	73
46/ 45	.6	3.6	2.7	1.4	.5												123	123	109	107
44/ 43	.4	2.2	2.5	1.4	.3												108	108	127	60
42/ 41	.5	2.6	2.4	1.7	.2												103	103	106	101
40/ 39	.4	2.4	2.5	1.7	.1												105	105	108	123
38/ 37		2.8	1.6	.9	.1												75	75	95	76
36/ 35	.3	1.4	1.6	.5	.1												57	57	98	95
34/ 33	.1	1.1	2.2	.3													51	51	65	81
32/ 31		1.4	.6	.1													28	28	32	81
30/ 29		.7	.1														11	11	60	45
28/ 27	.1	.2	.1														5	5	12	42
26/ 25		.1	.3														5	5	9	64
24/ 23																			9	23
22/ 21																			1	19
20/ 19																				9
18/ 17																				8
16/ 15																				4
14/ 13																				4
12/ 11																				1
TOTAL	7.7	2.1	2.7	1.6	1.1	1.1	.6	.1									1395	1395	1395	1395
Element (X)	S ₁ ²	S ₁	X	X ₂	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	118.000	118.000	30.000	30.000	1395	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb	118.000	118.000	30.000	30.000	1395		3.2	.5	.1			93								
Wet Bulb	118.000	118.000	30.000	30.000	1395		3.9					93								
Dew Point	118.000	118.000	30.000	30.000	1395		23.0					93								

USAFETAC Form 0-26-5 (01-A) Revised previous editions of this form are obsolete.

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

OCT
MONTH

PAGE 1 0300-0900
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B. W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	>31	Dry Bulb	Wet Bulb	Dew Point
70/69						.1												1	1		
68/67		.1				.1												2	2		
66/65		.1			.1													3	3	1	
64/63		.2	.3	.1	.1													11	11	2	3
62/61	.2	.9	.1	.3	.1	.1												24	24	9	6
60/59	.4	1.2	.8	.4	.1	.1												42	42	26	21
58/57	.6	2.2	.8	.5	.1	.1												61	61	41	27
56/55	.6	2.3	.9	.7	.3	.1												78	78	63	43
54/53	1.1	3.2	1.8	1.0	.6	.1												109	109	70	65
52/51	.7	2.6	1.6	1.0	.1													98	98	91	81
50/49	.6	2.6	1.9	1.4	.1	.2												94	94	88	66
48/47	.8	2.2	2.2	.9	.3													105	105	90	75
46/45	.4	4.4	1.8	1.2	.3	.2												117	117	115	81
44/43	1.3	2.3	2.3	1.0	.1													114	114	125	96
42/41	.6	2.7	2.2	1.0	.4													96	96	98	98
40/39	.6	2.7	2.2	1.6														97	97	94	100
38/37	.7	4.4	2.3	.9	.1													117	117	109	83
36/35	.3	2.3	2.7	.8														98	98	107	95
34/33	.1	1.6	2.3	.1														96	96	103	73
32/31		1.3	.4	.2														34	34	64	26
30/29		1.1	.2															19	19	56	67
28/27		.7																10	10	30	44
26/25		.3	.2															7	7	5	72
24/23		.1																2	2	4	49
22/21																				4	23
20/19																					12
18/17																					9
16/15																					2
14/13																					4
12/11																					2
TOTAL	9.047	586.513.3	2.7	1.1														1395	1395	1395	1395

Element (X)	X ₁	X ₂	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	0.00000	1.00000	20.00000	0.17	1395	≤ 0 F	≤ 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	0.00000	0.00000	42.00000	0.000	1395		0.0	0.0				93
Wet Bulb	0.00000	0.00000	42.00000	0.000	1395		10.9					93
Dew Point	0.00000	0.00000	20.00000	0.000	1395		20.0					93

USAFETAC FORM 0-26-5 (OL A) AIR 33
 WEATHER SERVICE BRANCH OF THE USAF AIR FORCE

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PRASE APR N H/PORTSMOUTH

56-70

OCT

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69			.1															1	1		
68/ 67				.1	.1													2	2		
66/ 65		.2	.1		.1		.1											6	6	1	
64/ 63		.2	.1	.4														10	10	7	6
62/ 61	.1	1.2	.2	.1	.1	.3												30	30	11	6
60/ 59	.5	1.8	.8	.4	.2													52	52	27	21
58/ 57	.4	2.1	.9	.6	.3													58	58	43	30
56/ 55	.6	2.2	1.1	1.1	.4	.1												77	77	58	46
54/ 53	.9	2.7	1.6	1.4	.4													99	99	59	58
52/ 51	.9	2.7	1.6	1.6	.6													117	117	88	61
50/ 49	1.1	3.4	2.8	1.1	.1	.1												121	121	114	75
48/ 47	.8	3.4	2.0	1.7	.2													109	109	95	85
46/ 45	.9	2.9	2.7	1.0	.4	.2												114	114	143	89
44/ 43	.6	2.3	2.7	1.1	.1	.1												97	97	98	94
42/ 41	.6	2.7	2.5	1.0	.1													96	96	97	98
40/ 39	.9	2.7	3.0	1.8	.4													118	118	116	101
38/ 37	.4	2.3	2.7	1.2	.1													94	94	95	100
36/ 35	.3	2.3	2.0	.8														80	80	100	98
34/ 33	.1	1.5	2.0	.1														52	52	100	68
32/ 31	.1	1.1	.9	.1														23	23	99	81
30/ 29		1.3	.1	.2														22	22	45	68
28/ 27		.7	.1															11	11	27	88
26/ 25		.2																3	3	11	59
24/ 23		.2																2	2	2	62
22/ 21																				3	27
20/ 19																					12
18/ 17																					10
16/ 15																					7
14/ 13																					1
12/ 11																					2
TOTAL	8.6	2.0	2.9	1.3	3.7	.8	.1											1395	1395	1395	1395

Element (X)	$\Sigma X'$	ΣX^2	ΣX^3	ΣX^4	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	9077887	110019	79,223,434	1395		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2710881	48888	44,118,348	1395			4.1	.8				93
Wet Bulb	2710881	48888	44,118,348	1395			9.1					93
Dew Point	188888	48888	44,118,348	1395			24.3					93

USAFETAC FORM 0-26-5 (OLA) REVERSE NUMERICAL INDICES OF THE FORM ARE CORRECT

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

DEC
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
80/ 79																																	2	2	
78/ 77											.2								.1	.1												4	4		
76/ 75						.1		.3	.1	.1	.1	.1	.1																			11	11		
74/ 73					.2		.1	.4	.1	.3																						13	13		
72/ 71			.1	.2	.1	.2	.3	.1											.1													18	18		
70/ 69			.1	.1	.4	.4	.4	.3	.1																							26	26	2	
68/ 67			.2	.1	.6	.7	.2	.4																								32	32	5	
66/ 65		.4	.6	.7	.3	.3	.7	.1											.1													47	47	16	3
64/ 63	.1	.6	.4	.9	.6	1.0	.4	.3																								59	59	21	10
62/ 61	.1	1.4	.9	1.0	1.2	1.8	.9	.1																								106	106	37	24
60/ 59	.1	1.6	.7	1.0	1.4	1.1	.6	.1																								93	93	69	28
58/ 57	.2	1.7	1.7	1.3	1.1	1.6	.6	.1																								115	115	80	61
56/ 55	.7	1.6	1.6	1.7	2.7	2.2	.3	.1																								151	151	81	81
54/ 53	.2	1.8	1.6	2.2	2.4	1.6	.6	.1																								137	137	116	66
52/ 51	.4	1.3	1.4	1.4	2.2	1.6	.2																									119	119	124	69
50/ 49	.2	1.3	1.8	1.8	2.2	1.1	.2																									117	117	116	86
48/ 47	.1	.9	1.0	1.6	2.4	1.0																										99	99	131	64
46/ 45	.1	.7	1.0	1.8	1.6	.4																										73	73	137	104
44/ 43		.1	1.2	.9	1.1	.4																										54	54	102	92
42/ 41	.1	.1	1.1	1.0	.9	.1																										66	66	93	82
40/ 39	.1	.4	.4	1.1	.4																											33	33	97	94
38/ 37	.1	.3	.1	.9	.1																											20	20	60	83
36/ 35		.1	.3	.3	.1																											12	12	49	87
34/ 33		.1	.1	.1																												4	4	30	81
32/ 31			.1	.1																												2	2	16	63
30/ 29																																2	2	8	64
28/ 27																																		3	52
26/ 25																																	2		60
24/ 23																																			30
22/ 21																																			20
20/ 19																																			13
18/ 17																																			16
16/ 15																																			6
14/ 13																																			3
Element (X)	Σx ²		Σx		Σ		Σ ₂		No. Obs.		Mean No. of Hours with Temperature						Total																		
Ref. Num.											≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 90 F	≤ 93 F																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OL A) USE PREVIOUS EDITIONS OF THIS FORM AS CHECKED
 USAF ETAC JAN 64

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS OCT MONTH
PAGE 2 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
12/ 11																					4				
TOTAL	2.7	16.2	10.1	20.2	22.1	16.2	5.7	1.9	.3	.3	.1							1395	1395	1395	1395				

Element (H)	Σ ₁	Σ ₂	Σ	σ ₂	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	618000	20412	66,217,000	1395		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	118000	3800	24,100,000	1395			2.1	7.1	2.0	.1		93
Wet Bulb	231000	6000	44,100,000	1395			2.1	.8				93
Dew Point	181000	1700	41,000,000	1395			10.2					93

USAF ETAC FORM 6-26-5 (OL A) CHECK NECESSARY SECTIONS OF THE FORM ARE CIRCLED

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

DATA 3 PEASE AFB N H/PORTSMOUTH

56-70

DCT

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
88/ 87												.1																					1	1			
86/ 85												.1																					2	2			
84/ 83									.1	.1	.1	.1		.1																			5	5			
82/ 81									.1	.1	.1	.1																					4	4			
80/ 79							.1	.1	.4	.6	.1	.2	.1																				22	22			
78/ 77							.1	.1	.5	.3	.2	.1																					19	19			
76/ 75					.4	.3	.3	.7	.2	.4	.1	.1																					34	34			
74/ 73				.1	.2	.4	.6	.5	.1	.2	.1																						34	34			
72/ 71			.1	.3	.2	.7	.5	.5	.4	.3																							42	42			
70/ 69			.2	.1	.6	.9	.7	.6	.4	.3																							48	48	3		
68/ 67		.3	.1	.5	.9	.9	.4	1.1	.6	.1																							68	68	17		
66/ 65		.4	.1	.8	.7	.8	1.4	.8	.4																								76	76	30	5	
64/ 63		.9	.4	.7	.8	1.6	1.6	1.3	1.1	.2																							101	101	44	18	
62/ 61		.8	.6	.3	1.4	1.0	1.6	1.1	.2																								96	96	72	21	
60/ 59	.1	1.5	.9	.4	1.1	1.1	2.5	.6	.1																								111	111	82	32	
58/ 57	.4	1.2	1.2	1.0	1.3	2.7	2.3	.8	.3																								156	156	93	59	
56/ 55	.3	1.2	.6	1.1	1.1	3.2	1.4	.1	.1																								127	127	97	80	
54/ 53	.1	.8	.7	1.0	2.8	1.9	.1																										111	111	126	74	
52/ 51	.3	.6	1.5	.4	.9	1.9	.6	.3																									92	92	92	79	
50/ 49	.4	.8	.3	.6	1.1	1.9	.4	.1																									75	75	123	57	
48/ 47	.1	.6	.7	.8	1.0	.9	.2																										60	60	146	64	
46/ 45		.2	.4	.9	.8	1.1	.1																										50	50	128	59	
44/ 43		.1	.3	.4	.3																												15	15	88	90	
42/ 41		.2	.1	.4	.6																												18	18	95	58	
40/ 39	.1		.4	.4	.1																												12	12	57	65	
38/ 37	.1		.1	.1																													4	4	39	54	
36/ 35	.1	.4		.1																													9	9	32	99	
34/ 33		.1		.1																													2	2	20	86	
32/ 31			.1																														2	2	4	63	
30/ 29																																			4	69	
28/ 27																																		2	31		
26/ 25																																				61	
24/ 23																																				27	
22/ 21																																				24	
Element (X)	Σ X ²		Σ X		Σ	Σ	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																																					

USAF ETAC FORM 6-26-5 (OL-A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
 STATION STATION NAME

56-70

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															
86/85												.1						2	2																	
84/83												.1	.1					2	2																	
82/81							.1	.1	.1	.1	.1	.1	.1					7	7																	
80/79							.1	.1	.1	.1	.1	.1	.1					7	7																	
78/77						.1	.1	.1	.1	.1	.1	.1	.1					18	18																	
76/75					.1	.1	.1	.1	.1	.1	.1	.1	.1					24	24																	
74/73				.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					30	30																	
72/71				.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					25	25																	
70/69		.1		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					31	31	1																
68/67		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					64	64	10	1															
66/65	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					62	62	29	4															
64/63	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					73	73	29	9															
62/61	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					85	85	90	25															
60/59	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					119	119	82	32															
58/57	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					130	130	96	55															
56/55	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					134	134	95	60															
54/53	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					144	144	108	78															
52/51	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					119	119	109	85															
50/49	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					95	95	117	77															
48/47	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					66	66	152	75															
46/45	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					66	66	139	99															
44/43	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					31	31	104	70															
42/41	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					26	26	84	85															
40/39	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					16	16	69	89															
38/37	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					12	12	47	81															
36/35	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1							41	86															
34/33	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					4	4	16	71															
32/31	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					2	2	6	76															
30/29	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					1	1	5	59															
28/27	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1							1	45															
26/25	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1							3	29															
24/23	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1								41															
22/21	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1								20															
20/19	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1								15															
Element (X)	Σ X ²		Σ X		Σ	Σ	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																																				

USAF ETAC FORM 0-26-5 (OLA) REVISED SEPTEMBER 1965 USE PREVIOUS EDITIONS OF THIS FORM AND CIRCULARS

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PURTSMOUTH

56-70

YEARS

OCT

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
82/ 81																	.1																1	1			
78/ 77																	.1	.1																2	2		
76/ 75											.1																							1	1		
74/ 73					.1						.2																							5	5		
72/ 71				.1		.1		.1	.2							.1																		8	8		
70/ 69			.1	.4	.3	.2	.2	.1		.1																								21	21		
68/ 67		.2	.1	.1	.2	.5	.2	.1																										21	21	1	
66/ 65			.5	.1	.2	.1	.3	.2																										21	21	10	
64/ 63	.1	.6	.4	1.4	.8	.5	.4	.1																										59	59	10	10
62/ 61	.2	1.0	1.2	.8	.8	.5	.1	.1																										65	65	35	18
60/ 59	.1	1.9	1.4	.9	1.2	.6	.4	.1																										92	92	45	20
58/ 57	.8	2.1	1.2	1.0	.7	.6	.4	.2																										93	93	81	38
56/ 55	.9	2.1	1.6	1.5	1.1	.6	.1	.1	.1																									113	113	97	63
54/ 53	.1	2.8	1.7	1.6	1.6	.6	.2	.1																										120	120	99	62
52/ 51	.9	2.4	2.2	2.4	1.9	.6	.1																											146	146	109	99
50/ 49	.2	1.6	2.9	2.5	1.9	.2	.2																											148	148	101	78
48/ 47	.4	2.1	2.1	1.9	1.9	.3																												121	121	115	71
46/ 45		1.8	1.9	2.9	1.2	.3																												114	114	128	100
44/ 43	.2	.9	1.4	1.7	1.2	.1																												78	78	129	98
42/ 41		.5	1.0	1.1	1.1	.1																												52	52	96	81
40/ 39		.1	1.3	1.7	.4																													49	49	97	98
38/ 37		.4	.9	1.1																														33	33	63	77
36/ 35		.3	.6	.3	.1																													17	17	63	78
34/ 33		.1	.1	.4																														8	8	51	65
32/ 31		.1		.1																														3	3	18	78
30/ 29																																				4	68
28/ 27			.1	.1																														3	3	4	32
26/ 25			.1																															1	1	1	67
24/ 23																																				4	32
22/ 21																																					17
20/ 19																																					12
18/ 17																																					13
16/ 15																																					4
14/ 13																																					1
Element (X)	Σ X ²		Σ X		Σ X	Σ 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																																					

USAFETAC FORM 0-26-5 (01-A) REVERSE SERVING MEMBERS OF THE HOUR ARE OMITTED

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

DCT
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
76/ 75							.1	.1										2	2																
74/ 73							.1											1	1																
72/ 71				.1														1	1																
70/ 69				.1	.1	.1			.1									5	5																
68/ 67			.4	.1	.4	.1		.1										14	14																
66/ 65		.3	.1	.2	.4	.2			.1									19	19	3	1														
64/ 63		.4	.6	.5	.2	.1	.1	.1										30	30	9	9														
62/ 61	.1	.6	.7	.6	.4	.1	.1											36	36	23	9														
60/ 59	.2	2.7	.6	.6	.6	.5	.1											74	74	45	24														
58/ 57	.6	2.7	1.7	.7	.6	.4	.1	.1										94	94	64	43														
56/ 55	.0	2.6	1.2	1.1	.5	.5	.1											102	102	78	76														
54/ 53	1.0	2.6	1.3	1.2	.3	.2		.1										94	94	94	74														
52/ 51	.9	2.2	1.6	1.4	.6	.1	.1											94	94	84	81														
50/ 49	.5	3.6	3.7	2.8	.9	.1												163	163	91	64														
48/ 47	.3	2.9	3.1	1.8	.9	.1												126	126	116	72														
46/ 45		3.4	2.9	2.8	.6	.2												139	139	143	92														
44/ 43	.3	1.8	2.6	2.0	.9													106	106	133	92														
42/ 41	.2	1.4	1.9	1.1	.5													73	73	100	113														
40/ 39	.1	.9	2.3	1.5	.2													70	70	115	100														
38/ 37		.9	1.6	.9	.1													49	49	76	75														
36/ 35		1.0	1.9	.7														51	51	70	88														
34/ 33		.8	1.5	.1														33	33	58	69														
32/ 31	.1	.2	.4	.1														11	11	35	75														
30/ 29		.1	.1	.1														3	3	24	70														
28/ 27			.1															2	2	8	48														
26/ 25		.1	.1															3	3	1	43														
24/ 23																				5	28														
22/ 21																					23														
20/ 19																					13														
18/ 17																					10														
16/ 15																					2														
14/ 13																					3														
12/ 11																					2														
Element (X)	Σx²		Σx		X	X̄	No. Obs.	Mean No. of Hours with Temperature																											
Rel. Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																						
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

DATA PROCESSING DIVISION
USAF BTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0200
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														
66/65			.1															1	1																
64/63				.1														2	2																
62/61		.5																7	7	9															
60/59	.3	.1																6	6	10	8														
58/57	.3	.6	.1	.1														14	14	11	12														
56/55	.1	.9	.1															15	15	9	11														
54/53	.4	2.3	.1	.3						.1								44	44	22	13														
52/51	.3	2.3	.3	.3		.2	.2											52	52	44	34														
50/49	.8	2.6	1.0	.9	.2													74	74	51	40														
48/47	.1	3.8	1.6	.7	.1	.2												86	86	68	50														
46/45	.2	1.6	1.5	.4	.2													53	53	63	46														
44/43	.6	3.3	1.8	.9	.1													89	89	80	61														
42/41	.9	2.6	1.3	.8	.1													77	77	80	51														
40/39	.4	2.1	2.7	1.1														85	85	73	60														
38/37	.6	4.3	3.0	1.0	.1													121	121	87	64														
36/35	1.0	3.7	3.6	1.7														135	135	119	72														
34/33	.7	2.3	3.9	.9														108	108	102	90														
32/31	.7	4.0	3.6	.8														124	124	121	87														
30/29	.3	3.4	2.7	.9														94	94	130	81														
28/27		2.4	3.0															72	72	102	111														
26/25	.1	2.1	.8															40	40	79	61														
24/23	.2	.5	.6															18	18	64	93														
22/21		1.0	.1															15	15	14	80														
20/19		.9																12	12	21	80														
18/17		.1																1	1	9	60														
16/15		.1																1	1	1	64														
14/13		.1	.1															4	4	1	22														
12/11																				4	24														
10/9																					16														
8/7																					2														
6/5																					2														
4/3																					1														
2/1																					2														
Element (X)	Σ X ²		Σ X		Σ	Σ	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 14 0-26-5 (O.L.A.) REISSUE REVISIONS ENDORS OF THE FORM ARE OBSOLETE

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 STATION PEASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS NOV MONTH

PAGE 2 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
TOTAL	8.0	8.0	1.9	0.6	1.0	0.5												1350	1350	1350	
Element (K)	S ₁		S ₂		X		C _n		No. Obs.		Mean No. of Hours with Temperature					Total					
Rel. Hum.	88.0%		100%		77.4%		81%		1350		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					
Dry Bulb	10.0		10.0		20.0		20.0		1350		28.4					70					
Wet Bulb	10.0		10.0		20.0		20.0		1350		36.4					70					
Dew Point	10.0		10.0		20.0		20.0		1350		2	69.2					70				

USAF ETAC Form 0-26-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 86-70 NOV
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																
62/ 61		.4	.1																													6	6				
60/ 59		.4																														5	5	7	3		
58/ 57	.1	.4	.1																												9	9	9	7			
56/ 55	.6	.9	.1	.2																											22	22	12	13			
54/ 53	.1	1.7	.4		.1																										32	32	16	14			
52/ 51	.6	2.5			.1	.1																									43	43	29	28			
50/ 49	.6	3.4	.6	.7	.3																										75	75	56	41			
48/ 47	.1	2.7	1.5	.4	.2																										68	68	41	57			
46/ 45	.4	2.3	1.2	.3	.1																										61	61	57	38			
44/ 43	.5	2.1	1.9	.8	.2																										75	75	63	38			
42/ 41	1.2	2.7	1.0	.9	.1																										79	79	71	39			
40/ 39	.8	2.5	2.1	.9	.1																										87	87	88	63			
38/ 37	.7	3.9	2.7	.6	.1																										108	108	79	82			
36/ 35	.8	4.2	2.9	1.3	.1																										125	125	111	72			
34/ 33	1.0	3.8	3.3	.4																											113	113	124	80			
32/ 31	1.0	3.0	2.9	.1																											111	111	113	103			
30/ 29	.3	4.4	2.9	.4																											109	109	116	79			
28/ 27	.1	2.6	2.8	.2																											76	76	108	87			
26/ 25	.1	2.6	1.6	.1																											58	58	78	88			
26/ 25	.6	2.6	.1																												40	40	77	87			
22/ 21	.1	.7																													11	11	43	84			
20/ 19	.1	1.9	.2																												21	21	12	51			
18/ 17		.7																													10	10	19	35			
16/ 15		.1																													1	1	9	55			
14/ 13	.1	.1	.1																												3	3	2	34			
12/ 11		.1																													2	2	1	23			
10/ 9																																	3		11		
8/ 7																																			8		
6/ 5																																			4		
4/ 3																																			2		
2/ 1																																			1		
0/ 0																																			1		
TOTAL	9.35	2.42	9.0	7.0	1.0	.1																												1350	1350	1350	1350
Element (X)	S _x ²	S _x	X	S _x	No. Obs.	Mean No. of Hours with Temperature					Total																										
Ref. Num.	880000	100001	70, 513, 900	1350	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																										
Dry Bulb	100000	80000	87, 5 9, 100	1350		28.5					99																										
Wet Bulb	177000	47000	25, 0 9, 200	1350		28.7					99																										
Dew Point	140000	41000	21, 011, 877	1350		21.7					99																										

USAFETAC FORM 0-26-5 (OLA) SUPERSEDES EDITION OF 15 FEB 68

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 86-70 NOV
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
62/ 61		.1																1	1	1	1
60/ 59		.1	.1															3	3	1	1
58/ 57	.1	.7	.1	.1														14	14	4	3
56/ 55	.2	1.4	.1	.1														26	26	18	6
54/ 53	.2	2.1	.1	.1	.1													34	34	29	30
52/ 51	.8	1.2	.4	.1	.1	.1												37	37	38	35
50/ 49	.8	2.5	1.0															58	58	34	34
48/ 47	.2	3.9	1.2	.4	.1													79	79	49	34
46/ 45	.3	2.3	1.6	1.0	.1													71	71	72	44
44/ 43	.4	2.1	1.2	.2	.3													56	56	58	50
42/ 41	.7	2.9	1.6	.3	.5													81	81	72	48
40/ 39	1.0	2.3	2.9	1.5	.1													106	106	80	72
38/ 37	.7	3.2	2.7	1.2	.1													107	107	60	55
36/ 35	.7	4.5	2.2	1.2														117	117	126	64
34/ 33	1.0	3.6	4.1	.5														124	124	129	107
32/ 31	1.0	4.2	3.1															99	99	123	79
30/ 29	.2	4.0	3.4	.2														106	106	114	93
28/ 27	.1	2.3	2.8															67	67	93	76
26/ 25	.3	2.7	1.7															64	64	79	84
24/ 23	.3	2.0	.4															27	27	73	86
22/ 21	.1	1.5	.1															24	24	49	93
20/ 19		1.2	.1															17	18	29	64
18/ 17		1.0	.1															14	14	17	43
16/ 15		.2	.1															5	5	11	61
14/ 13																				1	33
12/ 11		.1	.1															2	2	2	24
10/ 9																				2	11
8/ 7																					10
6/ 5																					4
4/ 3																					1
2/ 1																					1
0/ 0																					1
-2/ -1																					1
-4/ -3																					1

FORM 8-36-5 (OL A) USE PREVIOUS EDITIONS OF THIS FORM AIR CIRCUIT
 USAF ETAC

2

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB NH/PORTSMOUTH

56-70

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
TOTAL	9.5	2.1	2.0	7.0	1.5	0.1												1349	1350	1349	1349																
Element (X)	Σ	Σ	Σ	Σ	Σ	No. Obs.						Mean No. of Hours with Temperature																									
Rel. Hum.	2522.4	1002.8	302.4	1002.8	302.4	1002.8	302.4	1002.8	302.4	1002.8	302.4	1002.8	302.4	1002.8	302.4	1002.8	1002.8	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total													
Dry Bulb	1979.4	802.8	302.4	1002.8	302.4	1002.8	302.4	1002.8	302.4	1002.8	302.4	1002.8	302.4	1002.8	302.4	1002.8	1002.8								90												
Wet Bulb	1701.7	692.4	242.4	802.8	242.4	802.8	242.4	802.8	242.4	802.8	242.4	802.8	242.4	802.8	242.4	802.8	802.8								90												
Dew Point	1492.4	592.4	212.4	702.8	212.4	702.8	212.4	702.8	212.4	702.8	212.4	702.8	212.4	702.8	212.4	702.8	702.8								90												

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

50-70

NDV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
68/ 67				.2																													3	3				
66/ 65		.1	.1	.2																														6	6			
64/ 63			.2	.1	.1																													5	5	3		
62/ 61	.1	.3	.4	.1	.1	.1																												16	16	4	3	
60/ 59	.1	.5	.2	.1	.2	.4	.1																											21	21	11	2	
58/ 57		.6	.2	.2	.1	.1	.1																											18	18	17	15	
56/ 55	.1	2.1	.4	.3	.3	.3	.1																											50	50	16	15	
56/ 53	.3	1.3	.1	.6	.2	.6																												41	41	42	37	
52/ 51	.6	2.0	.8	.7	.7	.5																												73	73	44	30	
50/ 49	.1	1.3	2.1	1.3	1.0	.1																												80	80	38	34	
48/ 47		3.6	1.0	1.6	1.3	.8																												114	114	64	30	
48/ 45	.3	1.6	1.9	1.9	1.6	.7																												107	107	88	45	
44/ 43	.4	2.2	1.4	1.9	1.1																													96	96	77	58	
42/ 41	.7	2.4	2.6	1.8	1.8																													125	125	108	64	
40/ 39	.3	1.8	2.3	2.2	1.0																													116	116	108	60	
38/ 37	.7	2.1	1.6	2.9	.7																													107	107	128	71	
36/ 35	.7	2.1	2.2	2.1	.9																													109	109	119	94	
34/ 33	.1	1.9	1.8	2.8	.2																													89	89	125	84	
32/ 31	.2	.9	2.2	1.2	.1																													62	62	102	91	
30/ 29	.1	1.3	1.9	.9																														57	57	77	80	
28/ 27		.3	1.5	.3																														28	28	88	75	
26/ 25	.1	.3	.7	.1																														15	15	62	74	
24/ 23		.1	.1																															4	4	29	69	
22/ 21		.3	.3																															8	8	10	97	
20/ 19		.1	.1																															2	2	7	39	
18/ 17		.1	.1																															2	2	4	36	
16/ 15																																					3	49
14/ 13																																						36
12/ 11																																					18	
10/ 9																																					7	
8/ 7																																					9	
6/ 5																																					1	
4/ 3																																					2	
2/ 1																																					3	
Elmer (H)	Σ H'		Σ H		Σ	Σ	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 (O.L.A.) REVERSE REVISIONS OF THE FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB NH/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

NOV
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
0/ =1																					1
2/ =3																					1
TOTAL	4.8	29.3	26.4	24.3	11.1	3.5	.2	.2	.1								1330	1350	1330	1330	

Elevation (ft)	3 ft	5 ft	10 ft	15 ft	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	≤ 65 F	≤ 70 F	≤ 75 F	≤ 80 F	≤ 85 F	≤ 90 F	≤ 95 F	≤ 99 F	≤ 100 F	≤ 101 F	≤ 102 F	Total
Dry Bulb	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330
Wet Bulb	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330
Dew Point	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330

USAF ETAC FORM 0-26-5 (OL A) REVERSE REPRODUCED EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

NOV
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
70/ 79						.1	.1											2	2																
74/ 73					.1													1	1																
72/ 71					.1													1	1																
70/ 69			.2	.3				.1										9	9																
68/ 67				.1	.1	.3			.1	.1								11	11																
68/ 65				.1	.1	.1	.1		.1	.1								8	8	6															
64/ 63			.2	.3	.1	.3	.1			.1	.1							23	23	5	3														
62/ 61		.2	.2	.1	.3	.3	.1		.1	.1								23	23	2	4														
60/ 59		.2	.2	.1	.7	.4	.1		.2	.1								28	28	14	8														
58/ 57	.2	.7	.3	.6	.7	.6	.3		.1	.3								30	30	19	6														
56/ 55	.1	1.3	.3	.3	.4	.9	.3	.1										57	57	28	27														
54/ 53	.2	1.9	.4	.7	.8	.9	.8	.1										80	80	45	22														
52/ 51	.1	1.0	1.3	.4	.6	1.0	1.1	.1										87	87	56	36														
50/ 49	.3	.8	2.0	2.2	1.4	2.2	.6	.1										131	131	59	32														
48/ 47	.4	1.9	1.0	1.3	2.3	2.1	.1											130	130	74	38														
46/ 45	.1	2.4	1.2	1.7	2.1	1.2												118	118	97	71														
44/ 43	.3	1.4	1.3	1.6	2.2	.8	.1											118	118	123	66														
42/ 41	.4	.9	1.8	1.8	2.8	.4												97	97	98	47														
40/ 39	.4	1.3	.7	1.3	2.3	.2												88	88	158	64														
38/ 37	.1	1.6	.7	2.7	2.7	.1												108	108	98	63														
36/ 35	.3	.8	1.0	1.4	1.3	.1												67	67	130	76														
34/ 33	.2	.7	1.0	1.0	.8													48	48	88	69														
32/ 31	.1	.4	1.1	.7	.1													33	33	102	77														
30/ 29	.1	.1	.5	.6	.1													19	19	70	83														
28/ 27			.4	.2														8	8	44	70														
26/ 25			.1	.1														2	2	20	80														
24/ 23																				14	86														
22/ 21			.1															2	2	1	82														
20/ 19			.1															1	1		45														
18/ 17																				3	56														
16/ 15																					50														
14/ 13																					31														
12/ 11																					22														
10/ 9																					12														
Standard (Z)	S ₁ ²		S ₂		Z	Z _n	No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.									= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																				
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 6-24-5 (21.4) UNITED STATES BUREAU OF THE WEATHER

DATA PROCESSING DIVISION
 USAF STAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 56-70 NOV
STATION STATION NAME YEARS MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 7																					6
8/ 5																					7
4/ 3																					3
2/ 1																					2
0/ -1																					4
TOTAL	3.3	18.4	15.8	20.2	23.4	12.7	4.2	1.3	.4	.1	.1							1350	1350	1350	
																		1950		1350	

Element (K)	ΣX^1	ΣX^2	ΣX	ΣX^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$						
Dry Bulb	2877799	22222	60,000,007	1350		6.2	1.0	.2				90
Wet Bulb	2222211	22222	60,000,014	1350		16.9						90
Dew Point	1222211	22222	60,000,021	1350	3	67.7						90

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

YEARS

NDV
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									
74/ 73						.1												1	1											
72/ 71					.2													3	3											
70/ 69				.1	.1	.1			.1									6	6											
68/ 67				.1	.1				.1									4	4											
66/ 65		.1	.1	.1	.1	.2	.1											10	10	2										
64/ 63		.1	.2	.4	.1	.2			.2									16	16	7	1									
62/ 61		.1	.1	.1	.4													10	10	4	3									
60/ 59		.3		.1	.5	.2	.4	.2	.1									28	28	12	7									
58/ 57	.1	1.0	.6	.1	.5	.1	.4											39	39	14	12									
56/ 55	.4	.8	.4	.4	.4	.7	.5		.1									51	51	20	26									
54/ 53		2.3	.7	.6	.6	.4	.4			.1								68	68	28	19									
52/ 51	.1	1.1	1.2	.8	.9	1.1	.5	.1										80	80	55	30									
50/ 49	.1	1.9	2.1	1.1	1.0	1.0	.4											101	101	45	32									
48/ 47	.1	2.7	2.2	1.9	2.1	1.3	.1											141	141	83	40									
46/ 45	.5	1.3	1.5	1.3	2.4	1.0	.1											109	109	105	62									
44/ 43	.4	1.6	1.8	2.4	1.9	.9												122	122	95	54									
42/ 41	.4	.9	1.5	2.3	1.9	.4												100	100	98	68									
40/ 39	.4	2.0	1.8	2.6	2.4	.2												124	124	121	64									
38/ 37	.6	1.3	.9	2.8	1.4													95	95	143	67									
36/ 35	.4	1.2	1.9	2.0	.9	.1												100	100	117	89									
34/ 33	.4	.7	1.0	1.6	.7													57	57	103	66									
32/ 31	.1	.7	.8	1.1	.2													40	40	108	84									
30/ 29		.4	.7	.8	.1													26	26	74	79									
28/ 27		.1	.4	.2														9	9	48	77									
26/ 25		.1	.3															6	6	34	82									
24/ 23			.1															1	1	17	84									
22/ 21			.1															1	1	4	63									
20/ 19			.1															2	2		46									
18/ 17																				2	44									
16/ 15																				1	44									
14/ 13																					37									
12/ 11																					30									
10/ 9																					20									
8/ 7																					9									
Element (X)	Σ X'		Σ X		Σ X	Σ X	No. Obs.										Mean No. of Hours with Temperature													
Rel. Hum.																	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																														
Wet Bulb																														
Dew Point																														

USAFETAC FORM 16-64 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

NOV
MONTH

PAGE 2 1900-1700
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															
6/ 5																																			3	
4/ 3																																				7
0/ -1																																				2
-2/ -3																																				1
TOTAL	3.9	20.7	20.4	23.9	18.4	8.5	3.0	.6	.4																						1350	1350	1350	1350		

USAF ETAC FORM 0-26-5 (OL A) 28 64

Element (K)	ΣK	ΣK^2	ΣK^3	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	408800	8.023	43.719	1350	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	2122771	42623	44.7	1350		8.7	.9	.1			90
Wet Bulb	2122771	42623	27.7	1350		19.2					90
Dew Point	2122771	42623	32.033	1350	.8	47.3					90

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AIR N H/PORTSMOUTH

56-70

YEARS

NOV
 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
68/ 67				.1														2	2		
66/ 65				.2														6	6		
64/ 63		.1	.3	.3				.1										11	11	1	1
62/ 61		.1	.1	.1	.1	.1	.1											9	9	5	
60/ 59		.4	.1	.1	.1	.1	.1											11	11	13	2
58/ 57	.1	.8	.2	.1	.1	.1	.1											19	19	11	17
56/ 55	.4	1.2	.4	.3	.4	.1												38	38	22	21
54/ 53	.4	1.6	.5	.1	.2	.2	.1											43	43	24	19
52/ 51	.2	1.9	1.0	.4	.3	.1	.3											58	58	41	33
50/ 49	.1	2.0	2.0	.4	1.0	.4												78	78	44	27
48/ 47	.1	3.1	1.4	.7	1.0	.1												89	89	65	27
46/ 45		2.3	1.9	1.0	.7	.1												83	83	74	68
44/ 43	.6	2.8	1.9	2.8	.7	.3												123	123	75	53
42/ 41	.7	1.7	2.1	2.1	.8	.1												103	103	103	70
40/ 39	.6	2.7	4.3	2.4	.7													143	143	94	62
38/ 37	.7	2.0	3.6	2.6	.3													124	124	122	69
36/ 35	.5	1.6	3.5	2.2	.4													112	112	120	76
34/ 33	.4	.9	3.0	2.7	.1													97	97	121	81
32/ 31	.1	1.0	3.0	2.2	.1													81	81	109	91
30/ 29	.1	1.1	3.0	1.3	.1													62	62	92	85
28/ 27		.4	1.4	.1														25	25	80	98
26/ 25		.3	1.1															19	19	64	63
24/ 23		.1	.4															7	7	31	76
22/ 21			.1															2	2	13	69
20/ 19		.1	.1															3	3	7	44
18/ 17		.1	.1															2	2	1	45
16/ 15																				4	62
14/ 13																					31
12/ 11																					29
10/ 9																					11
8/ 7																					7
6/ 5																					6
4/ 3																					2
2/ 1																					2
Element (X)	Σ X²		Σ X		X	σ _x	No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVERSE NUMERICAL DIRECTIONS OF THE FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

NOV
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-2/ -3																					1
-4/ -5																					1
-6/ -7																					1
TOTAL	5.0	28.2	4.6	22.7	7.0	1.8	.5	.1										1350	1350	1350	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	7066078	9908	70.117	0.88	1350							90
Dry Bulb	2409687	9297	41.3	8.488	1350		13.4	-1				90
Wet Bulb	2018881	8881	37.7	8.471	1350		24.9					90
Dew Point	1888888	8880	31.811	8.27	1350	.2	48.3					90

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

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DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

NOV
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																	
66/ 65			.2																														3	3				
64/ 63			.1	.1																														3	2			
62/ 61		.2	.3																															7	7	5		
60/ 59		.2	.2		.1																													7	7	7	7	
58/ 57	.1	.4	.4	.1						.1																								17	17	8	9	
56/ 55	.7	1.3	.2		.4	.1	.1																											38	38	22	19	
54/ 53	.3	1.8	.4	.3	.2																													40	40	27	20	
52/ 51	.4	1.6	.5	.1	.3																													40	40	38	33	
50/ 49	.2	2.1	1.0	.8	.1	.3																												70	70	28	30	
48/ 47	.1	2.5	1.3	.6	.4	.1																												82	82	66	24	
46/ 45	.2	2.7	1.5	1.0	.4																													78	78	68	63	
44/ 43	.3	2.7	1.0	1.0	.4																													84	84	83	47	
42/ 41	.8	1.9	2.0	1.2	.2																													91	91	78	68	
40/ 39	.4	2.5	2.1	1.0	.4																													100	100	70	68	
38/ 37	1.0	3.0	4.1	2.0	.3																													141	141	127	55	
36/ 35	.9	3.0	3.3	1.4	.3																													120	120	112	77	
34/ 33	.2	3.1	3.9	1.9																														118	118	109	91	
32/ 31	.2	3.1	3.3	.7	.1																													101	101	131	83	
30/ 29	.2	1.6	3.3	1.0																														83	83	114	93	
28/ 27		2.2	2.8	.1																														69	69	77	95	
26/ 25	.2	.6	.9																															23	23	94	80	
24/ 23		.4	.5																															13	13	43	76	
22/ 21		.6	.3																															12	12	17	67	
20/ 19		.1	.1																															3	3	14	62	
18/ 17		.1	.1																															4	4	3	48	
16/ 15		.1	.1																															3	3	2	49	
14/ 13																																					3	34
12/ 11																																			2		31	
10/ 9																																					8	
8/ 7																																					7	
4/ 3																																					1	
2/ 1																																					1	
0/ -1																																					1	
28/ -28																																					3	
Element (X)	Σ x²	Σ x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature																																
Vol. 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) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

NOV
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	6.7	39.0	6.5	13.6	3.6	.5	.1											1350	1350	1350	1350
Element (X)	Σ x'	Σ x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	7810850	100427	74.555	277	1350	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90									
Dry Bulb	2100000	20100	20.4	8.762	1350		20.7					90									
Wet Bulb	1900737	40240	29.8	8.910	1350		23.3					90									
Dew Point	1800700	40227	29.8	8.912	1350		23.3					90									

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

DEC

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.-W.B.	TOTAL																																																																																				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point																																																																																		
60/59			.1															2	2																																																																																				
58/57			.1															1	1																																																																																				
56/55																				3																																																																																			
54/53		.2	.2															6	6		1																																																																																		
52/51	.1	.3	.1															7	7	7	7																																																																																		
50/49		.1																1	1	6	2																																																																																		
48/47	.1	.2	.1															6	6	3	7																																																																																		
46/45	.3	.2	.1				.1											11	11	7	10																																																																																		
44/43	.4	1.0	1.0	.1	.1	.1												36	36	12	4																																																																																		
42/41	.6	.9	.7	.1	.1													33	33	28	14																																																																																		
40/39	.6	.9	.9	.9	.1													48	48	34	22																																																																																		
38/37	.3	1.2	1.2	.7														47	47	27	24																																																																																		
36/35	.6	1.9	2.9	.6	.1													73	73	47	29																																																																																		
34/33	.6	2.9	2.2	.3														97	97	79	45																																																																																		
32/31	.6	3.0	3.4	.4														102	102	107	45																																																																																		
30/29	.9	4.2	2.6	.1														110	110	88	62																																																																																		
28/27	1.0	3.1	1.9	.1														86	86	125	75																																																																																		
26/25	1.1	4.8	3.0	.2														127	127	104	92																																																																																		
24/23	.4	3.1	2.0															76	76	98	79																																																																																		
22/21	1.2	3.9	1.6															90	90	103	83																																																																																		
20/19	.4	3.7	1.4															75	77	84	78																																																																																		
18/17	.2	4.0	1.2															80	81	84	82																																																																																		
16/15	1.2	2.9	.6															64	66	82	83																																																																																		
14/13	.8	2.5	.6															64	64	82	72																																																																																		
12/11	.7	2.2																41	41	68	78																																																																																		
10/9	.5	1.9																34	35	62	77																																																																																		
8/7	.2	1.6																25	25	23	32																																																																																		
6/5	.1	1.4																20	21	21	67																																																																																		
4/3	.2	.2																6	7	19	44																																																																																		
2/1		.6																6	6	3	34																																																																																		
0/-1		.4																5	5	6	42																																																																																		
-2/-3		.2																3	3	6	17																																																																																		
-4/-5		.1																2	2	3	16																																																																																		
-6/-7		.2																3	3	3	9																																																																																		
Element (X)	ΣX		ΣX		X	σ _x	No. Obs.										Mean No. of Hours with Temperature																																																																																						
Rel. Hum.	± 0 F																	± 32 F																	± 67 F																	± 73 F																	± 80 F																	± 93 F																	Total
Dry Bulb																																																																																																							
Wet Bulb																																																																																																							
Dew Point																																																																																																							

USAF ETAC FORM 0-26-5 (OL A) REVERSE REVISIONS OF THE FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 58-70 DEC
STATION STATION NAME YEARS MONTH

PAGE 2 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
-8/-9																				4
-10/-11																				11
-12/-13																				7
-14/-15																				2
-16/-17																				5
-18/-19																				3
-20/-21																				1
-22/-23																				6
TOTAL	12.8	55.9	27.3	3.5	.3	.2											1387	1395	1387	1387

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1387	1395	21.78	1.2	1387	0	68.5					68.5
Wet Bulb	1387	1387	21.54	1.2	1387	1.2	78.9					80.1
Dew Point	1387	1387	17.48	1.2	1387	1.2	81.9					83.1

FORM 0-24-5 (O.L.A.) REVISIONS INDICATED BY THE FOUR ARE OBSOLETE
 USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 50-70 YEARS DEC

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B.-W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb	Dew Point		
60/ 59			.1														1	1					
61/ 57		.1	.1														2	2					
56/ 55		.1	.1														3	3					
54/ 53		.1	.2														5	5		1			
52/ 51		.3	.1														6	6		7			
50/ 49		.6	.1														6	6		3			
48/ 47	.3	.3															8	8	11	10			
46/ 45	.2	.6	.4	.1													18	18	9	12			
44/ 43	.1	.6	.6	.1				.1									22	22	12	4			
42/ 41	.1	.9	.4	.1		.1											23	23	15	9			
40/ 39	.1	2.0	.8	.4													40	40	36	12			
38/ 37	.5	1.2	.2	.6													36	36	36	31			
36/ 35	.4	2.4	2.2	.3													73	73	35	37			
34/ 33	.3	2.8	1.9	.2													76	76	62	27			
32/ 31	.6	4.2	1.3	.4													90	90	67	44			
30/ 29	1.2	6.0	3.0	.6													117	117	110	61			
28/ 27	1.2	3.5	2.2	.1													97	97	97	79			
26/ 25	1.2	3.9	2.1	.1													113	113	105	79			
24/ 23	1.1	4.3	1.1														90	90	117	75			
22/ 21	1.9	3.6	1.0														83	83	109	68			
20/ 19	.9	4.9	.6														88	88	82	91			
18/ 17	.1	2.9	.5														69	69	77	97			
16/ 15	.9	4.0	.6														76	77	64	71			
14/ 13	.6	4.3	.1														70	71	71	84			
12/ 11	1.4	2.6	.3														59	59	84	77			
10/ 9	.6	2.1	.1														39	40	42	77			
8/ 7	.4	1.2															23	25	34	34			
6/ 5	.3	1.3															25	26	19	30			
4/ 3	.1	1.1															17	17	29	37			
2/ 1	.2	.3															7	7	11	42			
0/ -1	.1	.3															3	3	3	22			
2/ -2	.3	.3															4	4	4	28			
4/ -3	.3	.3															4	4	3	20			
6/ -2	.3	.3															3	3	3	12			
Element (X)	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		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																							

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

2

DATA PROCESSING DIVISION
USAF BTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04749 PEASE AFB N H/PORTSMOUTH

56-70

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-8/-9																				2	6
-10/-11																					8
-12/-13																					7
-14/-15																					4
-16/-17																					6
-18/-19																					3
-20/-21																					1
-22/-23																					3
-24/-25																					2
TOTAL	14.7	1.2	1.0	2.9	.1	.1												1399		1388	
																		1388		1388	

Element (X)	Z _W	Z _W	X	σ _x	No. Obs.	Mean No. of Hours with Temperature				Total		
Rel. Hum.	70-80%	100%	76-84-90		1388	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	100000	24400	24-26-28		1388	1.1	71.8					93
Wet Bulb	100000	24400	15-21-23		1388	1.3	72.4					93
Dew Point	100000	24400	17-21-23		1388	0.0	82.1					93

USAF BTAC FORM 0-26-5 (OLA) REVISION 1-64
 REPRODUCED BY THE AIR FORCE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

DATA STATION PEASE AFB N H/PORTSMOUTH

56-70

YEARS

DEC
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point			
60/59		.2																3	3					
58/57																				3				
56/55																					3			
54/53		.4	.1															7	7	2				
52/51		.1	.1															3	3	6	5			
50/49		.4	.2															11	11	3	4			
48/47	.4	.3	.1															11	11	19	11			
46/45	.1	.6	.4	.1														17	17	7	10			
44/43	.1	.2	.5	.2														15	15	15	7			
42/41	.1	.9	.6	.2			.1											24	24	11	7			
40/39	.2	1.4	.6	.4	.1													38	38	24	12			
38/37	.3	1.7	.6	.2														38	38	37	26			
36/35	.3	2.7	.9	.2														58	58	44	28			
34/33	1.1	3.2	2.1	.6														99	99	67	43			
32/31	.8	3.6	1.1	.1														77	77	85	60			
30/29	.7	3.8	2.2	.8														100	100	94	58			
28/27	1.1	4.8	1.8	.4														111	111	85	56			
26/25	.9	4.3	1.9	.1														99	99	113	88			
24/23	1.3	4.0	1.4															92	92	107	73			
22/21	1.4	4.5	.9															94	94	104	80			
20/19	.6	4.0	.9															76	76	90	79			
18/17	.8	3.4	.8															73	73	79	90			
16/15	.5	4.0	.1															64	64	68	73			
14/13	.5	3.9	.3															63	64	67	64			
12/11	1.0	3.2	.1															60	61	77	75			
10/9	1.4	2.9	.1															61	61	84	73			
8/7	.5	.7																17	22	42	64			
6/5	.7	1.3																28	29	34	44			
4/3	.8	1.4																23	24	14	34			
2/1	.7																	10	10	20	30			
0/-1	.8	.1																4	4	8	33			
-2/-3	.8	.2																3	3	3	24			
-4/-5	.1	.3																3	3	7	12			
-6/-7	.1																	1	1	1	7			
Elon? (X)	2x																							
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 (O.L.) REVISIONS SHOWN ON THE FORM ARE CORRECT

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

DEC
MONTH

PAGE 2 0600-0800
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
-8/-9		.2																3	3	1	7
+10/-11																				2	15
+12/-13																					8
+14/-15																					6
+16/-17																					3
+18/-19																					5
+20/-21																					2
+24/-25																					3
TOTAL	15.5	4.0	17.5	2.8	.1	.1												1386	1399	1386	1386

Element (K)	Σ ₁	Σ ₂	Σ	Σ ₂	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	000000	100000	200000	300000	1386	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	000000	100000	200000	300000	1386	1.1	71.7					93
Wet Bulb	000000	100000	200000	300000	1386	1.4	72.3					93
Dew Point	000000	100000	200000	300000	1386	0.1	62.8					93

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

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 STATION PRASE AFB N H/PORTSMOUTH STATION NAME 56-70 YEARS DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point				
60/ 59			.1															1	1						
58/ 57			.1	.2														4	4						
56/ 55		.2	.1															4	4	1					
54/ 53		.3		.1						.1								7	7	4	2				
52/ 51		.2	.1	.1	.1													8	8	10	5				
50/ 49		.4	.4	.1	.1	.1				.1	.1							16	16	2	5				
48/ 47	.2	.2	.4	.4	.1	.1												18	18	12	8				
46/ 45		.9	.6	.4	.1	.1				.1	.1							28	28	16	11				
44/ 43	.2	.8	1.0	.3	.1	.1				.1								35	35	20	12				
42/ 41	.2	.8	1.2	.9	.6													50	50	31	15				
40/ 39	.4	1.4	1.1	.9	.4													60	60	41	21				
38/ 37	.2	1.7	1.6	1.4														67	67	50	28				
36/ 35	.9	1.9	1.7	1.3	.2													83	83	77	55				
34/ 33	.6	2.4	2.2	1.0	.1													85	85	79	44				
32/ 31	.8	3.0	2.0	1.6														111	111	97	46				
30/ 29	.4	3.4	2.9	1.4	.1													118	118	95	68				
28/ 27	.7	2.3	3.4	.7														99	99	112	70				
26/ 25	.7	3.0	2.9	.3														97	97	98	75				
24/ 23	.2	3.0	2.7															83	83	122	86				
22/ 21	.6	2.4	2.6	.1	.1													80	80	98	59				
20/ 19	.3	3.1	1.7															71	72	78	78				
18/ 17	.5	3.0	.9		.1													62	62	83	71				
16/ 15	.4	2.9	1.2															62	63	68	65				
14/ 13	.6	2.0	.8															67	67	62	76				
12/ 11	.3	1.7	.3															34	34	47	82				
10/ 9	.3	1.2	.1															23	23	36	79				
8/ 7	.4	.8	.1															17	17	20	70				
6/ 5	.1	.3																5	5	15	50				
4/ 3		.6																9	9	5	43				
2/ 1	.1	.1																3	3	9	28				
0/ -1		.3																4	4	1	22				
-2/ -3																					2	24			
-4/ -5	.1																	1	1	1	15				
-6/ -7																		1	1		9				
Station (S)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	No. Obs.			Mean No. of Hours with Temperature				
Rel. Hum.																		≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (O.L.A.) REVISION 5-65-65 USE PREVIOUS EDITIONS OF THIS FORM AND CALCULATOR

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 5670 DEC
STATION STATION NAME YEARS MONTH
PAGE 2 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
-8/-9																				1	9	
-10/-11																					12	
-12/-13																					9	
-14/-15																					4	
-16/-17																					1	
-18/-19																					1	
-22/-23																					2	
-24/-25																					1	
TOTAL	9.0	5.0	2.2	1.2	2.0	.4	.1	.1									1393	1395	1393	1391		

Element (K)	Σ X'	Σ X	X	Σ X ²	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	Σ X'	Σ X	X	Σ X ²	No. Obs.	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	180000	18000	18000	324000000	1391		11.9					93
Wet Bulb	100000	10000	10000	100000000	1391		7.1					93
Dew Point	70000	7000	7000	49000000	1391	7.3	7.3					93

FORM 0-36-5 (OL A) REPRODUCED BY PERMISSION OF THE FORMS AND CALCULATING DIVISION, AIR FORCE MATERIEL COMMAND, WASHINGTON, D.C. 20330
 USAF ETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

DEC

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb	Dew Point
62/ 61									.1								2	2			
60/ 59			.2	.1	.1	.1											9	9			
58/ 57			.1	.1	.1	.1		.1									6	6			
56/ 55		.1	.1		.1	.1	.1		.1								7	7	4		
54/ 53		.3	.1		.1	.1											7	7	7	2	
52/ 51			.1	.3	.5	.4	.1	.1									22	22	6	7	
50/ 49		.1	.3	.4	.5	.7											18	18	8	4	
48/ 47	.4	.5	.6	.6	.7	.1											29	29	14	10	
46/ 45	.1	1.1	1.1	.1	.3	.1	.1										41	41	25	11	
44/ 43	.1	.9	1.8	.9	.7	.6											70	70	48	11	
42/ 41	.4	.4	1.3	2.1	1.5	.3	.1										83	83	45	27	
40/ 39	.2	.9	.6	1.7	1.6	.1											70	70	47	32	
38/ 37	.8	.9	.9	2.2	1.2												84	84	74	36	
36/ 35	.6	1.6	1.6	2.7	.6												94	94	70	65	
34/ 33	.5	2.6	1.6	3.3	.8												125	125	91	38	
32/ 31	.3	1.6	2.2	3.2	.2												106	106	123	37	
30/ 29	.2	1.3	3.8	3.1	.3												117	117	103	60	
28/ 27	.8	1.2	3.2	1.9													99	99	113	73	
26/ 25	.4	1.3	3.7	1.1													91	91	136	79	
24/ 23	.1	2.2	2.6	.6													74	74	107	58	
22/ 21	.4	2.3	2.1	.6													75	75	109	73	
20/ 19	.2	.6	2.6	.4													52	52	79	81	
18/ 17	.4	.9	1.1	.1													35	36	53	100	
16/ 15	.1	.8	.9														28	28	49	97	
14/ 13		.1	.1														3	3	31	86	
12/ 11		1.1															19	18	12	73	
10/ 9	.4	.6															14	14	16	81	
8/ 7		.2															3	3	8	58	
6/ 5																			3	52	
4/ 3		.6															5	5		20	
2/ 1		.1															1	1	5	20	
0/ -1																			1	24	
-2/ -3																				13	
-4/ -5																				10	
Element (K)	Σ g ¹		Σ g ²		Σ	Σ	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 0-24-5 (01.A) REVERSED MIRROR EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

86-70

YEARS

DEC
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
-6/-7																					12
-8/-9																					14
-10/-11																					5
-12/-13																					6
-14/-15																					2
-16/-17																					1
-18/-19																					1
-20/-21																					3
TOTAL	6.5	23.7	2.9	25.3	9.2	2.0	.4	.2	.2									1394	1394	1394	

Element (X)	ΣH^2	ΣX	Σ	Σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2224771	22212	41	168712	1394	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1224420	21102	22	9224	1394		67.9					
Wet Bulb	1224420	21102	22	9224	1394	.1	68.9					
Dew Point	1224420	21102	22	9224	1394	6.2	70.1					

USAF/ETAC FORM 0-26-5 (01-A) REVERSED MIRROR IMAGES OF THE FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04763 PEASE AFB N H/PORTSMOUTH
STATION STATION NAME

56-70
YEARS

DEC
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		> 31	Dry Bulb	Wet Bulb
60/ 59			.1			.1		.1									3	3		
58/ 57				.1	.1	.1											6	6		
56/ 55		.1	.2	.1	.1	.1			.1								8	8	1	
54/ 53		.2	.1	.1	.1	.1	.1										10	10	2	1
52/ 51		.2	.3	.2	.1	.1											13	13	9	3
50/ 49		.3	.1	.1	.4	.3	.1	.1									19	19	10	6
48/ 47	.1	.6	.4	.4	.3												24	24	12	10
46/ 45	.1	1.1	.7	.5	.1	.2											39	39	17	9
44/ 43		1.0	1.3	.7	.4	.2											53	53	33	8
42/ 41	.3	.6	1.1	1.4	1.0	.1											64	64	35	28
40/ 39	.4	.8	2.2	1.9	1.1												87	87	53	21
38/ 37	.5	1.4	1.4	1.7	1.0												85	85	55	42
36/ 35	.6	1.9	2.3	2.5	.5												108	108	90	37
34/ 33	.3	2.2	2.2	2.3	.3												103	103	100	40
32/ 31	.7	1.7	3.0	2.8	.3												119	119	116	71
30/ 29	.1	1.8	3.3	2.2	.3												109	109	102	57
28/ 27	.6	2.1	3.9	1.9													117	117	123	65
26/ 25	.6	1.9	3.9	1.6													113	113	133	100
24/ 23	.4	2.7	3.2	.4													94	94	118	66
22/ 21	.3	1.6	2.4	.6													65	65	120	61
20/ 19	.4	.6	2.1	.2													49	49	89	91
18/ 17	.5	.8	1.5														39	39	52	96
16/ 15	.1	.9	.6														24	24	49	114
14/ 13		.4	.1														6	6	27	64
12/ 11	.1	1.1	.1														17	17	18	48
10/ 9	.2	.4	.1														11	11	12	88
8/ 7		.3															4	4	6	59
6/ 5		.3															4	4	3	49
4/ 3		.2															3	3	4	42
2/ 1		.2															3	3	3	32
0/ -1		.1															1	1	3	21
-2/ -3																			1	17
-4/ -5																				9
-6/ -7																				13
Element (X)	Σx'	Σx	X	Cx	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 (OLA) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH

56-70

DEC

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
60/59			.1															2	2																
58/55			.1		.2													4	4	2															
54/53		.2			.1													5	5	1	2														
52/51		.3	.3		.1													9	9	5	1														
50/49	.1	.3		.1	.1	.1		.1										12	12	9	9														
48/47			.1	.2	.1													6	6	7	4														
46/45	.2	.6	.4	.4	.1		.1											26	26	7	7														
44/43	.1	1.2	.7	.7	.1													33	33	20	9														
42/41	.3	1.0	.9	.3	.2													38	38	31	17														
40/39	.5	1.1	1.0	1.7	.1													73	73	39	32														
38/37	.3	2.2	1.7	1.2	.1													77	77	49	15														
36/35	.8	1.9	2.4	.9	.1													85	85	67	36														
34/33	.8	2.9	2.1	1.2	.1													99	99	103	54														
32/31	.6	2.9	4.1	1.1														120	120	93	59														
30/29	.4	2.7	3.7	.8	.1													107	107	95	71														
28/27	.4	2.7	3.3	.9														109	109	120	68														
26/25	.6	2.3	4.2	.6														106	106	120	94														
24/23	.5	3.2	4.0	.2														119	119	105	59														
22/21	.6	2.9	3.4															96	96	126	63														
20/19	.4	2.2	2.9	.1														79	80	107	101														
18/17	.4	2.2	1.4															56	56	62	73														
16/15	.5	1.7	.8															41	41	74	98														
14/13		1.3	.4															24	24	37	89														
12/11	.8	1.4	.1															26	26	34	66														
10/9	.1	1.0																19	19	20	66														
8/7	.1	.1	.1															3	4	16	69														
6/5		.5	.1															8	8	4	58														
4/3		.3																4	4	10	41														
2/1		.1																1	1	1	31														
0/0		.4																6	6	1	31														
02/03		.1																2	2	6	15														
04/05																				2	17														
06/07																					11														
08/09																					2														
Element (X)	Σ X ²		Σ X		X	X ²	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) REVERSED SENSOR ERRORS OF THE FORM ARE CORRECTED

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 56-70 DEC
STATION STATION NAME YEARS MONTH

PAGE 2 1800-2000
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															
10/-11																																				10
12/-13																																				1
16/-17																																				1
18/-19																																				4
20/-21																																				4
22/-23																																				2
24/-25																																				1
TOTAL	8.0	0.0	0.0	9.8	10.5	1.5	.1	.1	.1																									1393	1393	1393

Element (X)	ΣX²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	Σ 0 F	Σ 32 F	Σ 67 F	Σ 73 F	Σ 80 F	Σ 93 F	Total					
Dry Bulb	188989	188857	88.819	41.7	1393	13	41.7					38
Wet Bulb	188989	188857	88.819	78.3	1393	2	78.3					28
Dew Point	188989	188857	88.819	88.4	1393	4	88.4					28

USAF ETAC FORM 0-26-5 (O.L.A) REVERSE PERIODIC ERRORS OF THE FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

06743 PEASE AFB N H/PORTSMOUTH

56-70

DEC

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
60/ 59			.2															3	3																
54/ 53			.1	.1														7	7	1	3														
52/ 51	.1	.4	.1	.1														10	10	7	4														
50/ 49			.1							.1								2	2	3	5														
48/ 47	.1	.2								.1								5	5	7															
46/ 45	.2	.5	.1	.2				.2										19	19	9	10														
44/ 43	.4	.6	.6	.6	.1													33	33	11	9														
42/ 41	.5	1.0	.5	.6														45	45	29	16														
40/ 39	.5	.6	.7	.5						.1								34	34	27	22														
38/ 37	.4	2.1	1.9	.6	.1													73	73	40	24														
36/ 35	.4	2.0	2.9	.6														83	83	38	30														
34/ 33	.9	3.4	2.4	.1				.7										99	99	92	55														
32/ 31	.6	2.9	2.5	.4														104	104	99	49														
30/ 29	.3	3.0	2.1	.4														81	81	89	65														
28/ 27	1.1	4.3	3.4	.4														127	127	111	73														
26/ 25	.6	2.9	3.4	.4														102	102	91	91														
24/ 23	1.0	2.8	2.7	.1														87	87	124	76														
22/ 21	.8	4.0	2.7	.1														106	106	99	70														
20/ 19	.4	3.9	2.6															93	93	103	83														
18/ 17	.2	3.2	1.4															66	66	90	85														
16/ 15	.6	3.2	.6															60	60	87	73														
14/ 13	.4	2.7	.5															50	50	61	72														
12/ 11	.6	2.0																33	33	43	87														
10/ 9	.4	1.7	.1															31	31	33	78														
8/ 7	.4	1.1																21	21	21	52														
6/ 5	.1	.4																6	6	16	73														
4/ 3	.1	.4																6	6	3	34														
2/ 1		.2																3	3	7	42														
0/ .1		.1																2	2	2	24														
-2/ -3		.4																6	6	3	22														
-4/ -5		.1																2	2	3	16														
-6/ -7																				1	5														
-8/ -9																					4														
Element (X)	ΣX'	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	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																																			

USAF ETAC FORM 0-26-5 (OL A) REPRODUCIBLE EDITIONS OF THIS FORM ARE AVAILABLE

DATA PROCESSING DIVISION
 USAF BTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04743 PEASE AFB N H/PORTSMOUTH 66-70 DEC
 STATION STATION NAME YEARS MONTH

PAGE 2 2100-2300
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
-10/-11																						3														
-12/-13																						6														
-14/-15																						2														
-16/-17																						2														
-18/-19																						1														
-20/-21																						4														
-22/-23																						5														
TOTAL	10.9	80.5	82.4	5.4	.6	.1	.2											1395		1395	1395															

Element (X)	Σ H	Σ W	Σ F	Σ W	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	Σ 0 F	Σ 32 F	Σ 67 F	Σ 73 F	Σ 80 F	Σ 93 F						
Dry Bulb	1395	1395	1395	1395	1395	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Wet Bulb	1395	1395	1395	1395	1395	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Dew Point	1395	1395	1395	1395	1395	0.7	0.7	0.7	0.7	0.7	0.7	0.7

USAF BTAC FORM 0-26-5 (01-A) AIR WEATHER SERVICE/MAC OF THE FORCES AIR OBSERVATION

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

04743 PEASE AFB N H/PORTSMOUTH

50-70

STATION	STATION NAME												YEARS	
MRS IL ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN 21.0 S D 11.079 TOTAL OBS 1302	21.9 10,296 1185	30.3 7,370 1302	39.6 6,777 1326	49.7 7,726 1395	59.2 6,771 1349	64.2 5,352 1395	63.0 5,770 1395	56.3 8,211 1350	47.0 8,349 1395	38.5 8,922 1350	25.7 10,430 1395	43.9 17,208 16139	
03-05	MEAN 19.8 S D 11.499 TOTAL OBS 1302	20.4 10,882 1185	29.1 7,413 1302	37.9 6,886 1326	47.8 7,744 1395	57.4 6,496 1350	62.3 5,348 1395	61.0 6,146 1395	54.6 8,927 1350	45.4 8,408 1395	37.3 9,134 1350	24.8 10,891 1395	41.9 17,088 16140	
06-08	MEAN 19.1 S D 11.953 TOTAL OBS 1302	19.6 11,296 1184	29.4 7,876 1302	40.5 7,221 1325	52.0 7,938 1395	61.7 6,861 1350	66.0 5,471 1394	63.8 6,049 1395	56.2 8,345 1350	46.1 8,345 1395	37.2 9,144 1350	24.2 11,050 1395	43.4 18,347 16137	
09-11	MEAN 23.0 S D 11.133 TOTAL OBS 1302	24.6 10,397 1185	33.1 7,912 1302	47.9 8,480 1325	59.6 9,364 1395	69.4 8,542 1350	73.7 6,422 1395	72.2 6,482 1395	64.4 8,281 1350	54.2 8,442 1395	42.2 8,665 1350	28.1 10,388 1395	50.0 19,959 16137	
12-14	MEAN 28.1 S D 9.937 TOTAL OBS 1302	29.8 9,509 1185	38.9 8,173 1302	51.0 9,123 1326	62.4 10,430 1395	72.5 9,826 1350	77.1 7,429 1395	76.0 7,278 1395	68.4 8,939 1350	58.8 9,232 1394	46.1 8,639 1350	32.3 9,964 1395	53.9 19,639 16139	
15-17	MEAN 28.3 S D 9.484 TOTAL OBS 1302	30.2 9,088 1185	38.9 7,933 1300	50.2 8,912 1326	61.3 10,544 1395	71.3 10,110 1350	76.1 7,419 1395	75.0 7,412 1395	67.2 9,024 1350	59.0 9,007 1395	44.7 8,315 1350	31.4 9,600 1395	53.1 19,264 16138	
18-20	MEAN 23.1 S D 9.645 TOTAL OBS 1302	26.9 9,139 1185	35.3 7,298 1302	48.3 7,437 1326	58.6 9,373 1395	69.6 8,381 1350	71.1 6,423 1395	69.3 6,669 1395	61.6 7,999 1350	51.9 8,094 1395	41.3 8,433 1350	28.3 9,423 1395	48.8 18,230 16140	
21-23	MEAN 22.8 S D 10.374 TOTAL OBS 1301	24.3 9,688 1185	32.7 7,279 1302	42.3 6,894 1326	52.7 8,206 1395	62.2 7,437 1349	65.8 8,397 1395	63.3 8,804 1395	58.3 7,831 1350	49.0 8,203 1395	39.4 8,742 1350	26.8 10,696 1395	45.7 17,433 16138	
ALL HOURS	MEAN 23.4 S D 11.133 TOTAL OBS 10000	26.7 10,733 11189	33.7 8,389 10000	44.3 9,041 11160	53.3 10,331 11160	63.1 9,430 10778	69.7 8,189 11139	68.2 8,394 11160	60.9 9,738 10000	51.2 9,760 11139	40.8 9,312 10000	27.7 10,633 11160	47.3 19,944 129168	

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

04743 PEASE AFB N H/PORTSMOUTH

56-70

STATION	STATION NAME												YEARS	
HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	19.3	20.1	27.9	36.5	46.1	55.9	61.0	60.0	53.7	44.1	36.0	29.8	40.8
	S. D.	10.838	10.130	7.276	6.715	7.259	6.219	5.205	5.619	8.161	8.475	9.097	10.104	16.713
	TOTAL OBS	1300	1161	1301	1326	1395	1350	1395	1395	1350	1395	1350	1387	16125
03-05	MEAN	18.3	18.8	26.8	35.3	44.8	54.8	59.8	58.6	52.4	42.8	35.0	23.2	39.6
	S. D.	11.202	10.703	7.595	6.908	7.440	6.180	5.459	6.102	8.524	8.535	9.240	10.489	16.765
	TOTAL OBS	1298	1163	1300	1326	1395	1350	1392	1395	1350	1395	1350	1388	16122
06-08	MEAN	17.7	18.2	27.0	37.0	47.4	57.3	61.8	60.2	53.4	43.8	34.9	22.9	40.8
	S. D.	11.724	11.089	7.731	6.898	7.266	6.024	5.134	5.822	8.283	8.456	9.260	10.683	17.582
	TOTAL OBS	1298	1172	1302	1325	1395	1350	1394	1395	1350	1395	1349	1386	16111
09-11	MEAN	20.8	22.0	30.9	41.1	50.9	60.7	64.9	63.9	57.6	48.1	38.3	23.6	44.1
	S. D.	10.774	10.001	7.119	6.838	7.376	6.471	5.352	5.886	7.494	8.042	8.681	10.077	17.474
	TOTAL OBS	1301	1184	1302	1323	1395	1350	1395	1395	1350	1395	1350	1393	16133
12-14	MEAN	24.6	26.0	33.4	42.8	52.1	61.7	65.9	64.9	59.0	50.3	40.4	28.5	46.2
	S. D.	9.329	8.818	6.850	6.624	7.378	6.745	5.372	5.678	7.317	8.039	8.314	9.206	16.478
	TOTAL OBS	1302	1183	1302	1326	1395	1350	1395	1395	1350	1394	1350	1394	16126
15-17	MEAN	26.8	26.5	33.3	42.4	51.6	61.3	65.6	64.6	58.6	49.4	39.7	27.9	45.9
	S. D.	8.917	8.378	6.608	6.303	7.478	6.736	5.119	5.654	7.493	7.919	8.365	9.010	16.262
	TOTAL OBS	1302	1184	1300	1323	1395	1350	1395	1395	1350	1395	1350	1394	16135
18-20	MEAN	22.3	24.0	31.3	40.0	49.6	59.3	64.0	62.8	56.3	47.0	37.7	25.9	43.8
	S. D.	9.408	8.839	6.737	6.048	7.402	6.449	5.042	5.339	7.470	7.928	8.471	9.233	16.459
	TOTAL OBS	1300	1184	1301	1326	1395	1350	1395	1395	1350	1395	1350	1393	16124
21-23	MEAN	20.7	22.0	29.6	38.3	47.9	57.6	62.3	61.2	54.9	45.4	36.5	24.6	42.1
	S. D.	10.203	9.501	7.087	6.193	7.349	6.423	5.084	5.483	7.733	8.251	8.910	9.782	16.500
	TOTAL OBS	1301	1185	1302	1326	1395	1350	1395	1395	1350	1395	1350	1395	16129
ALL HOURS	MEAN	21.1	22.8	30.6	39.2	48.8	58.6	63.2	62.0	55.8	46.3	37.3	25.3	42.9
	S. D.	10.600	10.135	7.399	7.090	7.810	6.540	5.600	6.090	8.190	8.620	9.027	10.039	16.983
	TOTAL OBS	13022	9920	10420	10603	11140	10900	11120	11100	10800	11120	10799	11120	129933

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

04743 PEASE AFB N H/PORTRSMOUTH 56-70

STATION		STATION NAME												YEARS
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	12.3	12.7	21.6	31.5	42.2	53.6	59.0	58.0	51.6	40.5	31.7	17.8	36.3
	S. D.	14.272	13.874	10.720	9.478	8.931	6.902	5.919	6.284	8.999	10.316	11.364	12.754	19.423
	TOTAL OBS	1300	1181	1301	1326	1393	1390	1393	1393	1393	1393	1390	1387	16123
03-05	MEAN	11.5	12.0	20.8	30.8	41.5	52.9	58.2	57.0	50.6	39.6	31.0	17.5	35.8
	S. D.	14.573	14.190	10.821	9.450	8.839	6.760	5.961	6.674	9.249	10.236	11.377	12.923	19.416
	TOTAL OBS	1298	1183	1300	1326	1393	1350	1392	1393	1393	1393	1393	1390	1388
06-08	MEAN	10.9	11.5	20.7	31.5	42.3	54.1	59.2	57.7	51.0	39.8	30.8	17.2	34.1
	S. D.	14.932	14.484	10.960	9.688	9.377	6.993	6.108	6.647	9.236	10.202	11.402	13.124	19.933
	TOTAL OBS	1296	1172	1302	1325	1393	1350	1394	1393	1393	1393	1349	1386	16109
09-11	MEAN	12.8	13.4	21.9	31.5	42.3	54.7	59.7	58.7	52.4	41.5	32.1	18.5	37.1
	S. D.	14.379	13.973	10.790	10.349	10.991	8.382	7.329	7.592	9.410	10.825	11.686	13.046	19.872
	TOTAL OBS	1301	1184	1302	1323	1393	1350	1393	1393	1393	1393	1393	1391	16131
12-14	MEAN	14.6	15.5	23.1	31.9	42.3	54.5	59.4	58.3	52.2	41.6	32.1	19.3	37.5
	S. D.	13.421	13.168	10.590	10.288	10.880	8.733	7.593	7.737	9.838	11.314	12.231	12.734	19.224
	TOTAL OBS	1302	1182	1302	1326	1393	1350	1393	1393	1393	1393	1394	1394	16133
15-17	MEAN	14.8	15.8	23.4	31.9	42.2	54.5	59.4	58.2	52.3	41.6	32.0	19.3	37.6
	S. D.	13.373	12.893	10.377	9.873	10.710	8.392	7.277	7.642	9.730	11.129	12.151	12.391	19.064
	TOTAL OBS	1302	1184	1300	1323	1393	1350	1393	1393	1393	1393	1393	1394	16133
18-20	MEAN	14.9	15.0	23.1	32.2	42.6	54.7	59.7	58.6	52.5	41.5	31.8	18.6	37.3
	S. D.	13.564	13.090	10.630	9.333	10.093	7.821	6.384	6.938	9.036	10.366	11.827	12.338	19.223
	TOTAL OBS	1300	1184	1301	1326	1393	1350	1393	1393	1393	1393	1393	1393	16134
21-23	MEAN	13.2	14.2	22.6	32.2	42.9	54.4	59.3	58.3	52.1	41.1	31.6	18.1	37.1
	S. D.	14.082	13.482	10.677	9.239	9.483	7.270	6.182	6.484	8.913	10.373	11.312	12.384	19.334
	TOTAL OBS	1301	1183	1302	1326	1393	1390	1393	1393	1393	1393	1393	1393	16139
ALL HOURS	MEAN	13.0	13.8	22.1	31.7	42.3	54.2	59.3	58.1	51.8	40.9	31.6	18.3	36.9
	S. D.	14.136	13.730	10.738	9.733	9.943	7.711	6.661	7.010	9.331	10.633	11.761	12.809	19.448
	TOTAL OBS	10000	9422	10000	10000	11160	10000	11120	11120	10000	11129	10799	11128	120000

DATA PROCESSING DIVISION
 DTIC/USAF
 AIR WEATHER SERVICE/AC

RELATIVE HUMIDITY

04743 PLESI 666 /PURTSMOUTH 56-71 ALL
 STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.8	92.4	77.8	58.7	41.0	25.4	10.8	65.7	10400
FEB		100.0	99.9	98.2	90.4	72.5	55.8	38.3	23.7	10.7	64.7	9456
MAR		100.0	99.8	96.9	87.9	72.9	56.5	41.7	26.0	11.0	63.0	10410
APR		100.0	99.1	93.5	83.6	70.4	57.4	43.7	30.6	14.9	64.0	10603
MAY		100.0	99.2	94.1	84.4	72.0	58.2	44.9	31.5	15.8	62.7	11160
JUN		100.0	99.9	98.2	92.1	84.1	69.1	54.6	37.8	17.1	70.9	10900
JUL		100.0	100.0	99.1	94.3	84.7	72.4	58.0	40.2	15.4	72.2	11126
AUG		100.0	100.0	99.6	93.6	80.0	73.3	58.2	40.1	15.5	72.5	11160
SEP		100.0	100.0	99.6	94.3	87.8	76.6	61.8	43.4	20.3	74.4	10800
OCT		100.0	99.9	98.7	93.2	82.0	68.1	52.4	35.1	17.4	70.4	11189
NOV		100.0	99.9	99.3	95.1	85.3	70.9	58.3	37.0	17.7	71.0	10799
DEC		100.0	99.9	99.2	95.3	84.0	68.4	48.3	30.3	11.8	63.0	11128
TOTALS		100.0	99.8	97.9	91.8	80.0	65.3	49.7	33.7	16.8	68.9	129081

DATA PROCESSING DIVISION
 AFAC/USAF
 AIR WEATHER SERVICE / AC

RELATIVE HUMIDITY

04743 PLASE APP /PIRTS MOUTH 57-70
 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%		
FEB	00-07	100.0	100.0	99.8	95.4	84.0	64.0	45.5	28.0	12.0	68.5	1131
	08-05	100.0	100.0	99.7	97.1	88.8	72.0	51.1	30.5	14.5	70.7	1184
	06-08	100.0	100.0	99.8	98.0	89.2	73.4	52.2	30.8	12.4	71.0	1172
	09-11	100.0	100.0	98.4	91.3	74.5	57.7	35.8	21.9	4.2	63.9	1184
	12-14	100.0	99.9	95.4	79.9	57.7	36.3	23.8	14.7	7.5	57.2	1183
	15-17	100.0	99.4	96.3	78.2	58.2	39.0	25.6	17.4	6.4	57.5	1184
	18-20	100.0	100.0	98.6	89.1	70.2	49.6	32.9	20.1	4.7	62.5	1184
	21-23	100.0	100.0	99.6	94.0	80.2	58.8	39.6	24.6	11.8	66.4	1185
TOTALS		100.0	99.9	98.2	90.4	73.5	55.8	38.3	23.7	10.7	64.7	9436

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FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE
WASHINGTON, D.C. 20535

RELATIVE HUMIDITY ✓

04743 PEASE AIRPORT/PORTSMOUTH 57-70
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%		
MAR	00-02	100.0	100.0	99.8	96.7	64.6	69.3	53.3	34.9	15.6	70.7	1301
	03-05	100.0	100.0	99.8	98.1	88.7	72.5	55.0	38.5	16.2	72.5	1300
	06-08	100.0	100.0	99.8	96.9	87.3	69.3	52.2	36.4	15.2	71.2	1302
	09-11	100.0	99.8	97.2	85.2	63.9	44.2	30.8	21.8	10.5	60.2	1302
	12-14	100.0	99.2	92.5	73.4	52.9	36.2	27.3	17.5	6.6	56.1	1302
	15-17	100.0	99.5	90.9	73.1	53.9	40.3	28.1	18.0	6.8	56.8	1300
	18-20	100.0	100.0	96.0	86.6	69.6	55.5	39.1	25.9	9.2	63.6	1301
	21-23	100.0	100.0	99.5	93.5	80.3	64.5	46.8	31.1	12.1	68.1	1302
TOTALS		100.0	99.8	96.9	87.9	72.9	56.5	41.7	28.0	11.6	69.0	10410

FORM NO. 57-5 (CL 1)

DATA PROCESSING DIVISION
 AFMPC/USAF
 735 LAFERBERRY BLVD

RELATIVE HUMIDITY

01-743

PERIOD (FROM) / PERIOD (TO)

50-70

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%		
1-4	00-02	100.0	100.0	100.0	98.9	95.3	81.1	67.2	47.6	20.4	77.1	1395
	03-05	100.0	100.0	100.0	99.1	97.1	89.0	73.0	51.4	29.0	60.7	1395
	06-08	100.0	100.0	99.1	96.8	87.3	72.1	52.8	35.0	16.9	71.0	1395
	09-11	100.0	99.2	91.6	73.9	54.3	35.0	23.2	17.3	9.0	56.7	1395
	12-14	100.0	98.4	84.4	62.8	44.0	30.3	21.3	15.6	7.3	51.8	1395
	15-17	100.0	96.9	85.4	67.4	49.2	34.9	25.4	15.7	6.1	53.0	1395
	18-20	100.0	99.4	93.2	81.9	68.4	52.6	39.0	27.0	14.3	63.1	1395
	21-23	100.0	100.0	98.9	94.1	82.2	69.5	54.5	39.2	16.4	71.6	1395
TOTALS		100.0	99.2	94.1	84.4	74.0	58.2	44.9	31.5	15.8	65.7	11160

NO-0082 411

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/6 4/8
PEASE AFB, PORTSMOUTH, NEW HAMPSHIRE. REVISED UNIFORM SUMMARY 0--ETC(US)
MAY 78
USAPETAC/DS-86/819

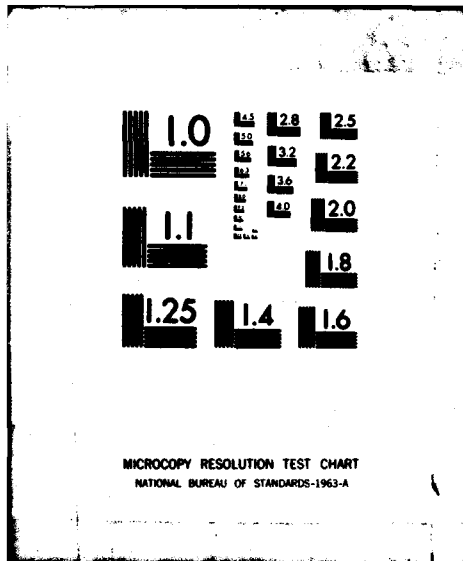
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1964



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

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DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

04743 STATION PEARL AND HERMES/PURYSMOUTH STATION NAME 56-70 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%		
JUL	00-02	100.0	100.0	100.0	99.8	98.9	94.6	83.0	59.9	27.7	2.4	1320
	03-05	100.0	100.0	100.0	99.9	99.6	98.1	90.9	70.4	34.5	8.5	1320
	06-08	100.0	100.0	100.0	99.6	98.6	88.7	67.6	44.9	18.1	7.2	1320
	09-11	100.0	99.9	98.1	88.8	69.6	47.7	30.6	19.9	9.3	62.0	1320
	12-14	100.0	99.7	93.8	77.0	54.6	37.3	24.9	15.8	7.2	56.7	1320
	15-17	100.0	99.8	94.4	77.8	59.0	41.4	29.0	18.1	8.2	58.6	1320
	18-20	100.0	100.0	99.0	93.9	81.3	62.6	49.0	29.0	12.1	68.0	1320
	21-23	100.0	100.0	100.0	99.6	97.0	84.7	68.9	44.1	19.6	76.8	1320
TOTALS		100.0	99.9	98.2	92.1	82.1	69.1	54.6	37.8	17.1	70.9	10800

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AAC

RELATIVE HUMIDITY

04743
STATION

PEASE AFB MA/PORTSMOUTH
STATION NAME

56-70
PERIOD

AUG
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%		
AUG	00-02	100.0	100.0	100.0	100.0	99.8	98.3	90.2	68.2	26.2	84.2	1375
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	94.7	79.0	34.3	67.0	1390
	06-08	100.0	100.0	100.0	100.0	99.4	94.6	82.3	57.2	21.3	61.3	1395
	09-11	100.0	100.0	99.7	96.1	79.3	55.1	32.8	17.0	4.9	64.1	1396
	12-14	100.0	100.0	98.5	85.3	37.1	34.7	19.3	10.3	4.5	56.4	1398
	15-17	100.0	100.0	98.4	83.9	64.4	39.3	22.4	12.8	4.9	58.2	1397
	18-20	100.0	100.0	100.0	97.6	89.0	71.8	46.8	28.0	10.2	70.0	1394
	21-23	100.0	100.0	100.0	100.0	98.9	93.2	74.8	48.4	18.6	79.1	1395
TOTALS		100.0	100.0	99.6	93.6	80.0	73.3	58.2	40.1	12.8	72.2	11160

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

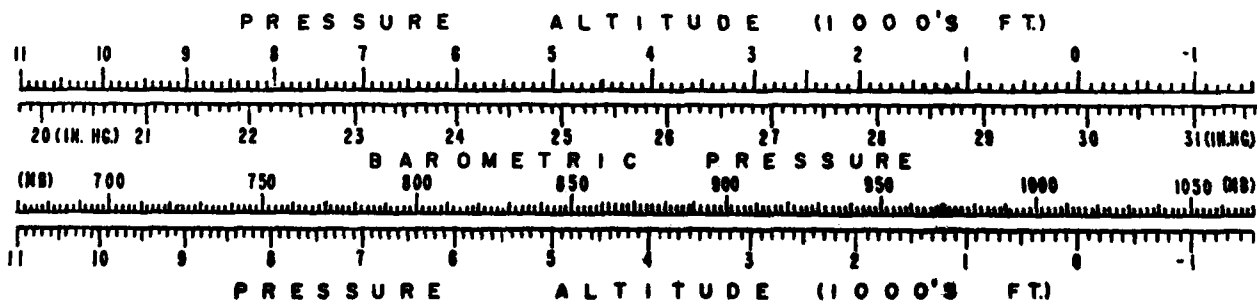
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

04743 PEASE AFB N H/PORTSMOUTH 56-70

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN S. D. TOTAL OBS	29.857 .313 434	29.817 .338 395	29.827 .287 434	29.847 .271 420	29.870 .216 442	29.832 .172 450	29.838 .154 465	29.852 .148 465	29.937 .208 450	29.921 .251 465	29.877 .294 450	29.867 .313 465	29.863 .255 5335
04	MEAN S. D. TOTAL OBS	29.863 .312 372	29.824 .343 338	29.818 .301 372	29.829 .281 360	29.870 .217 380	29.828 .176 390	29.835 .158 403	29.846 .152 434	29.929 .204 420	29.918 .259 434	29.875 .297 419	29.858 .315 434	29.859 .259 4736
07	MEAN S. D. TOTAL OBS	29.870 .314 433	29.828 .346 395	29.841 .299 434	29.870 .281 420	29.898 .222 442	29.852 .182 459	29.861 .158 465	29.873 .156 465	29.958 .208 450	29.941 .260 465	29.897 .299 449	29.882 .309 465	29.882 .261 5332
10	MEAN S. D. TOTAL OBS	29.894 .317 372	29.849 .345 338	29.841 .313 372	29.850 .287 360	29.893 .217 390	29.848 .181 389	29.855 .163 403	29.874 .158 434	29.961 .207 420	29.944 .268 434	29.901 .305 419	29.894 .313 434	29.886 .264 4755
13	MEAN S. D. TOTAL OBS	29.836 .312 434	29.788 .343 395	29.803 .297 434	29.829 .281 420	29.860 .220 442	29.825 .181 450	29.832 .160 465	29.846 .157 465	29.929 .208 450	29.894 .261 465	29.858 .299 449	29.847 .309 465	29.847 .261 5334
16	MEAN S. D. TOTAL OBS	29.844 .309 372	29.790 .332 338	29.784 .301 371	29.793 .272 360	29.841 .211 381	29.804 .174 390	29.812 .161 403	29.826 .153 434	29.907 .207 420	29.888 .261 424	29.852 .299 419	29.844 .309 434	29.834 .257 4756
19	MEAN S. D. TOTAL OBS	29.844 .309 434	29.812 .327 395	29.818 .287 434	29.831 .289 420	29.881 .207 442	29.812 .168 450	29.825 .154 465	29.837 .147 465	29.920 .209 450	29.913 .232 465	29.875 .299 449	29.870 .306 464	29.854 .252 5334
22	MEAN S. D. TOTAL OBS	29.876 .314 372	29.825 .341 338	29.834 .298 372	29.842 .286 360	29.875 .207 381	29.832 .167 390	29.842 .154 403	29.857 .147 434	29.946 .208 420	29.932 .237 434	29.882 .299 419	29.869 .313 433	29.868 .254 4756
ALL HOURS	MEAN S. D. TOTAL OBS	29.863 .312 5335	29.824 .343 4736	29.818 .301 4736	29.829 .281 4200	29.870 .217 4420	29.828 .176 4500	29.835 .158 4650	29.846 .152 4650	29.929 .204 4500	29.918 .259 4650	29.875 .297 4490	29.858 .315 4650	29.863 .255 47360

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

04743 PEASE AFB N H/PORTSMOUTH

56-70

STATION		STATION NAME												YEARS
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	1013.1	1013.8	1014.1	1014.7	1015.3	1014.1	1014.3	1014.7	1017.6	1017.1	1015.7	1015.4	1015.2
	S. D.	10.633	11.534	9.800	9.098	7.298	5.862	5.228	5.126	6.883	8.446	10.046	10.656	8.670
	TOTAL OBS	434	393	434	420	437	430	463	463	450	463	450	463	3330
04	MEAN	1015.2	1013.7	1013.8	1014.5	1015.3	1014.0	1014.3	1014.6	1017.3	1017.0	1015.7	1015.4	1015.1
	S. D.	10.689	11.728	9.998	9.289	7.448	6.033	5.276	5.232	6.995	8.616	10.100	10.437	8.789
	TOTAL OBS	434	393	434	420	437	430	463	463	450	463	450	463	3330
07	MEAN	1015.6	1014.2	1014.6	1015.3	1016.3	1014.8	1015.1	1015.3	1018.4	1017.8	1016.3	1015.9	1015.8
	S. D.	10.637	11.736	10.198	9.439	7.513	6.167	5.362	5.377	7.087	8.761	10.212	10.339	8.888
	TOTAL OBS	434	393	434	420	437	430	463	463	450	463	450	463	3330
10	MEAN	1016.3	1014.3	1014.6	1015.3	1016.1	1014.7	1015.0	1015.3	1018.5	1017.9	1016.6	1016.6	1016.0
	S. D.	10.729	11.832	10.313	9.538	7.506	6.207	5.443	5.448	7.104	8.930	10.377	10.373	8.930
	TOTAL OBS	434	393	434	420	437	430	463	463	450	463	450	463	3330
13	MEAN	1014.4	1012.8	1013.3	1014.1	1015.0	1013.8	1014.1	1014.6	1017.4	1016.4	1015.0	1014.7	1014.7
	S. D.	10.586	11.690	10.133	9.423	7.446	6.128	5.444	5.412	7.075	8.813	10.292	10.532	8.848
	TOTAL OBS	434	393	434	420	437	430	463	463	450	463	450	463	3330
16	MEAN	1014.3	1012.3	1012.6	1013.3	1014.3	1013.2	1013.3	1013.9	1016.7	1016.0	1014.9	1014.9	1014.2
	S. D.	10.376	11.333	9.969	9.077	7.234	5.943	5.377	5.313	7.076	8.656	10.116	10.423	8.683
	TOTAL OBS	434	393	434	420	437	430	463	463	450	463	450	463	3330
19	MEAN	1015.4	1013.6	1013.7	1014.1	1014.7	1013.4	1013.8	1014.2	1017.3	1016.9	1015.7	1015.8	1014.9
	S. D.	10.370	11.162	9.782	8.803	7.003	5.784	5.230	5.090	7.097	8.489	9.999	10.464	8.387
	TOTAL OBS	434	393	434	420	437	430	463	464	450	463	450	463	3330
22	MEAN	1015.3	1013.9	1014.3	1014.9	1015.3	1014.1	1014.3	1014.9	1017.8	1017.2	1015.9	1015.8	1015.4
	S. D.	10.361	11.301	9.717	8.843	7.076	5.734	5.173	5.063	6.929	8.311	10.013	10.362	8.361
	TOTAL OBS	434	393	434	420	437	430	463	464	450	463	450	463	3330
ALL HOURS	MEAN	1015.2	1013.8	1014.3	1014.9	1015.3	1014.1	1014.3	1014.7	1017.6	1017.0	1015.7	1015.4	1015.2
	S. D.	10.633	11.534	9.800	9.098	7.298	5.862	5.228	5.126	6.883	8.446	10.046	10.656	8.670
	TOTAL OBS	3378	3100	3071	2800	2970	2800	2720	2710	2600	2720	2600	2720	42000

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