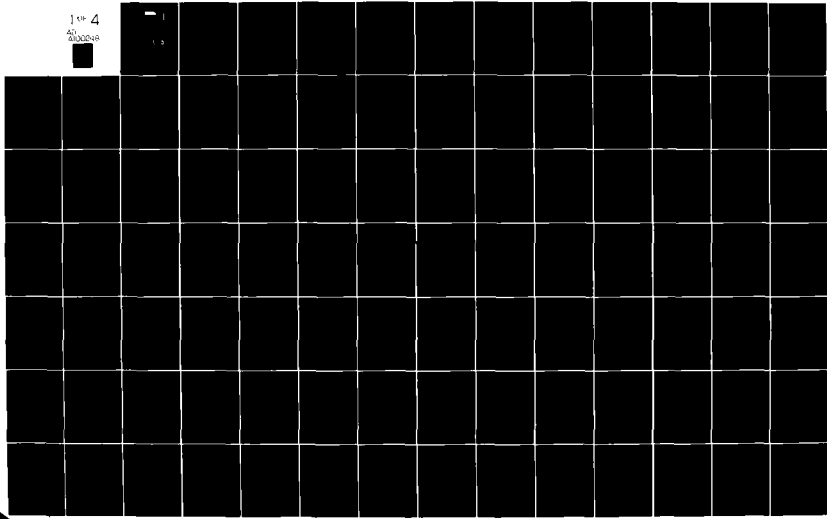


AD-A100 248 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC 470 470
FROBISHER BAY, BAFFIN ISLAND, NORTHWEST TERRITORIES, CANADA. RE--1
JAN 70
CLASSIFIED USAFETAC/DS-81/043 SUBIL-AD-E850 071

1 of 4
AD
8100048

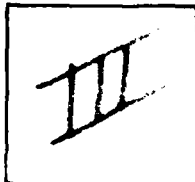


PHOTOGRAPH THIS SHEET

AD-E850 071

AD A I 100 000

DTIC ACCESSION NUMBER



LEVEL



ATTENTION:

Camera Operator
When Filming attached document
use Bell & Howell camera ONLY!!!

Consult with Supervisor for
further instructions.



INVENTORY

Rept. No. USAFETAC/DS-81/043

DOCUMENT IDENTIFICATION

29 Jan 70

DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR	
NTIS	GRA&I ☒
DTIC	TAB ☐
UNANNOUNCED	☐
JUSTIFICATION	
BY	
DISTRIBUTION /	
AVAILABILITY CODES	
DIST	AVAIL AND/OR SPECIAL
A	22



DATE ACCESSIONED

(RUSSWO) Rpts. 10 years old or older
**To be ANNOUNCED: Per: Special request by Originator.

C. E. Gould, Chief,
DTIC/DD
30 MAR, '81.

DISTRIBUTION STAMP

BEST QUALITY PRACTICABLE,
SIGN NUMBER OF PAGES WHICH DO NOT
REPRODUCE LEGIBLY.

81 6 15 125

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

71

USAFETAC/DS-81/043

— ADE 850 821 .

AD 111111

DATA PROCESSING DIVISION
USAF ETAC
Air Weather Service (MAC)

REVISED UNITED STATES AIR FORCE
SURFACE WEATHER OBSERVATIONS

UPPER FROBISHER BAFFIN IS NWT
N 63 45 W 068 33 ELEV 65 FT
170

WBAN 16603

PARTS A-F

POR FROM HOURLY OBS MAR 42-FEB 47, APR 47-MAR 48,
MAY 48-AUG 50
POR FROM DAILY OBS MAR 42-FEB 47, APR 47-MAR 48,
MAY 48-FEB 50

FEDERAL BUILDING
ASHEVILLE, N. C.

"THIS DOCUMENT IS APPROVED
FOR PUBLICATION AND SALE; ITS
DISTRIBUTION IS LIMITED."

Review and Approval Statement

This report is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by DTIC to the National Technical Information Service (NTIS).

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

Wayne E. McCollom
WAYNE E. MCCOLLOM, Chief
Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

Walter S. Burgmann
WALTER S. BURGMANN
AWS Scientific and Technical
Information Officer (STINFO)

DISCLAIMER NOTICE

**THIS DOCUMENT IS BEST QUALITY
PRACTICABLE. THE COPY FURNISHED
TO DTIC CONTAINED A SIGNIFICANT
NUMBER OF PAGES WHICH DO NOT
REPRODUCE LEGIBLY.**

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS-81/ 043	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Frobisher Bay, Baffin Island, Northwest Territories, Canada		5. TYPE OF REPORT & PERIOD COVERED Final rept.
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER (if)
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 29 JAN 70
		13. NUMBER OF PAGES 300
		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES The following parts are missing from this document: Part A- Atmospheric Phenomena Part B- Precipitation, Snowfall, Snow Depth Part E- Daily Max, Min, and Mean Temp/ Extreme Max and Min Temp		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperatures Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative Humidity *Climatological data (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Frobisher Bay, Baffin Island, Northwest Territories, Canada It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1473
1 JAN 73

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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

The Period of Record (POR) for this document is:

For Daily Observations MAR 42- FEB 47, APR 47- MAR 48, MAY 48- AUG 50

For Hourly Observations MAR 42- FEB 47, APR 47- MAR 48, MAY 48- AUG 50

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

STATION NO ON SUMMARY		STATION NAME		LATITUDE:		LONGITUDE:		STATION ELEV (FT)		CALL SIGN		WMO NUMBER	
16603		UPPER PROBISHER BAFFIN IS NWT		N 63 45		W 068 33		65		-		-	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			STATION (FT)	TIDE BAROMETER					
1	Crystal #2	AAF	Mar 42	Dec 43	N 63°17'	W 68°17'		93'					
2	Upper Probisher (Crystal #2)	AAF	Jan 44	Mar 47	N 63°45'	W 68°32'		54.5'					
3	"	AAF	18 Apr	Apr 48	N 63°44'	W 68°22'		68'					
4	"	AAF	May 47	May 50	N 63°45'	W 68°33'		68'					
5	"	AAF	Jun 50	Aug 50	N 63°45'	W 68°33'		65'					

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	Mar 42	S E Corner of Bldg #102	Anemometer	-	82'	
	Jul 42	" " "	"	-	62'	
2	Jan 44	North End of Operations Bldg	"	-	60'	
3	18 Apr 47	North End of Operations Bldg (Old Hqs Bldg)	"	-	30'	
4	May 50	North End of Operations Bldg	"	-	30'	

STATION NO: 16603	STATION NAME: FROBISHER BAY NWT DOT APT	LATITUDE: N 63 45	LONGITUDE: W 068 33	STATION ELEV FT 68	CALL SIGN: CYFB	WMO NO: 72909
STATION HISTORY AND WIND EQUIPMENT INFORMATION						
DATE OF CHANGE	TYPE OF STATION CHANGE	WIND EQUIPMENT LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HEIGHT ABOVE GROUND	
Mar 42 to Aug 50	Frobisher Bay DOT Apt	Not available	N/A	N/A	N/A	

USAF ETAC FORM 0-64A (OL I)
MAR 54

MAC-6 APR 55 66-3123

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

Revised UNIFORM SUMMARY of SURFACE WEATHER OBSERVATIONS

DESCRIPTION OF SUMMARIES:

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

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

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

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

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

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

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

A

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

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

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

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

WEATHER CONDITIONS

16603 ETAC-144 SAT MET ART
STATION NAME

42-50

YEARS

ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL				18.0		18.0	1.7	.3	18.0		18.6	5093
FEB			.1		19.0		19.0	5.7	.1	14.2		20.0	4510
MAR					19.6		19.6	6.2	.1	12.5	.0	18.0	4450
APR			.0		21.5		21.5	.7	.3	5.9	.1	7.0	4673
MAY			4.7	.2	24.0		28.4	3.0		3.2		5.8	6089
JUN			9.5		9.6		18.4	5.1	.0	.1		5.2	5994
JUL		.0	15.0		.3		15.1	0.1	.0			0.1	6190
AUG			15.2		.1		15.3	7.6				7.6	6195
SEP			12.0	.1	11.0		22.5	7.6	.3	.1		8.0	5751
OCT			1.4	.0	24.8		27.0	2.1		3.0		5.1	5921
NOV			.5	.1	26.8		27.0	3.0	.1	10.0		13.1	5255
DEC				.1	21.1		21.2	3.4	.1	13.8		17.2	4991
TOTALS		.0	5.3	.1	15.7		21.0	4.7	.1	6.0	.0	10.5	65112

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

WEATHER CONDITIONS

16600
STATION

EMPIRICAL DAY MET OUT APT
STATION NAME

43-50

YEARS

JA
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				18.2		18.2	1.0		15.3		14.3	543
	03-05				22.1		22.1	1.0		14.5		15.5	540
	06-08				19.3		19.3	1.0		16.0		17.6	648
	09-11				17.7		17.7	3.8	.7	17.0		21.4	532
	12-14				15.4		15.4	3.4	.6	16.9		20.8	682
	15-17				16.9		16.9	2.2	1.0	17.6		21.0	681
	18-20				17.1		17.1	.2		17.7		17.3	650
	21-23				17.7		17.7			17.2		17.2	587
TOTALS					16.0		16.0	1.7	.3	16.6		18.6	5093

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28901

WEATHER CONDITIONS

166-3 FARMISHER DAY CAT DET APT
STATION

44-50

YEARS

1 FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02				21.3		21.3	2.2		14.4		16.7	334
	03-05				24.5		24.5	2.9		14.6		17.5	314
	06-08				20.8		20.8	5.3		12.2		17.5	573
	09-11				21.3		21.3	13.1	.2	11.6		21.2	496
	12-14		.2		16.4		16.6	6.5	.5	15.3		22.3	567
	15-17				13.9		13.9	8.0		15.0		23.0	588
	18-20		.5		16.2		16.7	5.6		14.8		20.3	573
	21-23		.2		18.0		18.0	3.1		13.7		18.8	543
TOTALS			.1		19.0		19.0	5.7	.1	14.2		20.0	4510

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

WEATHER CONDITIONS

16603
STATION

FRONTSER DAY INT OUT APT
STATION NAME

42-46,48-50

YEARS

44
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
APR	00-02				20.5		20.5	3.4		12.8		16.3	923
	03-05				20.5		20.5	3.7		12.2		15.9	504
	06-08				20.2		20.2	7.5		10.6		16.2	594
	09-11				21.9		21.9	9.1	.5	13.0		22.1	653
	12-14				20.6		20.6	7.2	.5	14.0		21.6	587
	15-17				17.5		17.5	5.8		13.6		19.4	589
	18-20				17.1		17.1	6.8		12.0	.2	19.0	557
	21-23				18.2		18.2	5.8		12.0		17.8	499
TOTALS					19.6		19.6	6.3	.1	12.5	.0	18.9	4450

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

WEATHER CONDITIONS

16604 FRANKLIN DAY INT OUT APT
STATION NAME

42-47,49-50

YEARS

1 APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
APR	00-02				24.3		24.3		.6	9.3		9.7	536
	03-05				19.3		19.3		.7	5.1		5.9	491
	06-08		.2		21.4		21.6	1.1	.3	5.0		6.4	621
	09-11				23.1		23.1	1.1		5.4		6.5	646
	12-14				19.6		19.6	1.1	.6	6.6	.5	8.3	647
	15-17				18.7		18.7	.9	.3	5.5	.5	7.3	646
	18-20				21.3		21.3	.2		4.4		4.5	573
	21-23				24.8		24.8	.6	.2	5.8		6.6	513
TOTALS			.2		21.5		21.5	.7	.3	5.9	.1	7.0	4673

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

WEATHER CONDITIONS

16603
STATION

FRONTSHER HAY NET OUT APT
STATION NAME

42-50
YEARS

22Y
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02		2.7		24.5		26.6	3.3		4.1		7.5	747
	03-05		2.2	.1	27.0		29.7	4.2		3.1		7.3	735
	06-08		2.5	.4	29.2		31.7	4.7		3.2		7.9	774
	09-11		2.5	.4	24.0		26.5	3.2		2.3		6.7	775
	12-14		1.6	.4	20.9		22.9	2.7		2.3		5.0	774
	15-17		3.4	.1	21.1		24.0	3.0		1.9		4.9	774
	18-20		3.8		21.7		24.6	3.5		3.7		7.2	761
	21-23		3.2	.1	22.3		25.1	3.7		4.5		8.3	749
TOTALS			7.7	.2	24.0		26.4	3.6		3.2		6.8	6089

2

244

•

2000

1

1

1

1

1

1

1

聯名書信

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

1

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

WEATHER CONDITIONS

16603
STATION

FRIBISHER DAY MNT DUT APT
STATION NAME

42-50

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	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		18.3		.5		18.7	10.7				10.6	774
	03-05		14.2		.4		14.2	10.7				10.7	774
	06-08		13.6		.3		13.6	11.7				11.7	771
	09-11		12.4		.3		12.4	7.6	.1			7.8	772
	12-14		13.0				13.0	6.6				6.6	774
	15-17	.1	10.3		.1		10.5	4.4				4.4	775
	18-20		14.6		.3		14.8	4.8				4.8	775
	21-23		19.5		.5		19.7	8.5	.1			8.6	775
TOTALS		.0	15.0		.3		15.1	8.1	.0			8.1	6190

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

WEATHER CONDITIONS

16003
STATION

FREEMAN DAY APT OUT APT
STATION NAME

42-50

YEARS

200
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02		17.3		.1		17.3	7.1				7.1	773
	03-05		17.0		.1		17.1	11.4				11.4	775
	06-08		16.0		.1		16.1	11.6				11.6	775
	09-11		15.7				15.7	8.8				8.8	775
	12-14		13.9		.1		14.1	5.3				5.3	775
	15-17		12.4				12.4	4.4				4.4	775
	18-20		15.1				15.1	6.2				6.2	775
	21-23		17.7				17.7	6.1				6.1	772
TOTALS			15.8		.1		15.8	7.6				7.6	6193

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

WEATHER CONDITIONS

16603
STATION

FROBISHER HAY FRT OUT APT
STATION NAME

42-43

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		10.3	.1	12.1		22.9	7.1	.3			7.4	720
	03-05		11.3	.4	11.3		22.7	7.3		.1		7.6	719
	06-08		11.9		11.4		22.6	10.3	.3	.4		11.0	720
	09-11		11.4	.3	11.4		22.2	9.0	.1			8.2	720
	12-14		11.9		9.7		21.0	8.6	.6			8.2	720
	15-17		12.4		10.2		21.6	6.0	.4			6.4	718
	18-20		12.4		8.4		20.4	6.6	.6			7.1	716
	21-23		14.3		12.7		26.3	5.8	.4			6.3	718
TOTALS			12.0	.1	11.0		22.5	7.6	.3	.1		8.0	3751

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

WEATHER CONDITIONS

16603
STATION

FREIBISHER DAY MNT DUT APT
STATION NAME

42-45
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JULY	00-02		1.9	.5	25.6		27.4	1.2		3.0		4.2	741
	03-05		2.4	.0	26.2		28.8	1.7		4.0		5.5	744
	06-08		1.2	.0	27.4		29.2	2.0		3.6		5.5	742
	09-11		.9	.5	25.9		27.1	2.6		1.9		4.5	737
	12-14		1.8	.3	24.8		26.6	3.1		1.5		4.6	741
	15-17		2.4	.8	24.0		27.2	2.8		2.3		5.1	739
	18-20		2.0	.4	22.6		24.9	1.4		3.9		5.1	740
	21-23		1.3	1.8	21.3		24.7	1.5		3.8		5.3	737
TOTALS			1.8	.8	24.8		27.0	2.1		3.0		5.1	5921

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

WEATHER CONDITIONS

166-1 FARRISHER DAY INT OUT APT
STATION NAME

42-49

YEARS

STATION
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
01-02			.3	.2	26.5		27.3	2.3		10.2		12.5	656
03-05			.6	.2	26.5		27.2	2.0		9.6		12.2	448
06-08			.8		23.0		25.6	4.0	.2	9.1		13.3	656
09-11			1.2	.2	27.7		27.0	4.0	.6	10.2		14.7	658
12-14			.8		28.4		28.4	2.0	.3	11.1		14.0	658
15-17			.2		27.3		27.4	3.0		11.1		14.7	660
18-20			.6		24.5		25.2	2.0		9.2		12.1	660
21-23				.3	27.3		27.6	2.0		9.7		11.7	659
TOTALS			.5	.1	26.5		27.0	3.0	.1	10.0		13.1	5255

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

WEATHER CONDITIONS

10601 FRANKLIN RAY HT THT ART
STATION NAME

42-48

YEARS

1-6
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02			.5	19.1		19.6	3.0		15.9		18.5	893
	03-05			.2	22.7		22.8	3.0		15.9		15.9	565
	06-08				21.1		21.1	3.5		11.0		15.2	627
	09-11				22.3		22.3	3.7	.3	9.5		13.3	636
	12-14				22.4		22.4	3.0	.6	12.2		16.5	655
	15-17				21.8		21.8	4.3	.2	12.4		15.0	655
	18-20			.2	19.7		19.9	2.8		17.4		20.2	639
	21-23				19.8		19.8	2.8		13.8		19.6	601
TOTALS				.1	21.1		21.2	3.4	.1	13.8		17.2	4991

PART A

ATMOSPHERIC PHENOMENA

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

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

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

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

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

DATE OF OBSERVATION
 STATION
 AIR FORCE

WEATHER CONDITIONS

STATION

1955
 STATION

STATION NAME

46-4

YEARS

LL
 MONTH

PERCENTAGE OF DAYS WITH VARIOUS METEOROLOGICAL PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS U.S.T.	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIR	% 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	15.1				14.4		57.7	7.1	3.2	25.7		37.3	124
FEB					17.0		55.4	17.0	1.4	27.7		37.3	112
MAR			6.2		11.0		57.6	20.4	1.1	37.4		51.6	124
APR					11.4		57.5	1.1	2.2	12.2		13.2	124
MAY			8.2		12.4		57.2	4.2	8.2	13.2		21.0	124
JUN			4.2	8.2	7.2		53.4	15.2	8.2			19.0	124
JUL		1.1	17.3				52.4	25.4				25.4	124
AUG			17.7		8.2		73.8	25.0				25.0	124
SEP			7.3		12.2		74.2	10.8	5.0	2.4		17.5	124
OCT			8.2	8.2	14.9		76.6	10.5	4.8	12.9		26.6	124
NOV					1.4		70.7	12.2		14.4		24.4	124
DEC					2.7		53.3	6.7	1.3	16.7		24.0	78
TOTALS		1.1	4.2	8.2	9.2		61.9	13.3	1.7	13.1		26.4	1321

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	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

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

DATA PROCESSING DIVISION
 USAP STA
 AIR WEATHER SERVICE

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

154-2 STATION NAME 42-20 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	6.6	2.0	6.4	6.0	6.1	1.0	.4							27.1	247	.45	6.4	.4
FEB	6.6	2.0	6.4	6.0	6.1	2.5	.5							26.7	177	.44	1.00	.07
MAR	6.7	2.0	6.4	11.1	2.3	2.3	.9							27.0	217	.4	1.57	.05
APR	6.6	3.0	2.0	10.0	5.0	2.2	1.7							26.9	177	.51	1.21	.17
MAY	1.3	4.0	4.7	7.7	5.4	2.9	1.0	.7						26.4	179	.74	2.44	.03
JUN	6.6	5.0	4.0	7.0	3.3	4.1	3.0	1.1						28.3	275	.91	1.3	.13
JUL	6.6	2.0	4.0	7.0	5.4	7.5	2.9	1.4	.0					28.1	279	1.35	2.92	.31
AUG	6.6	2.0	4.0	11.0	7.0	1.0	2.0	2.5	.0					30.4	279	1.19	3.04	.75
SEP	2.0	3.0	2.0	11.0	3.4	5.4	2.0	2.5	1.0					35.0	240	1.36	4.55	.10
OCT	2.3	3.0	6.0	14.7	7.0	5.1	2.3	1.4						37.8	217	1.14	1.57	.13
NOV	2.4	4.0	5.0	13.0	0.7	5.4	2.3	.3						33.8	240	.92	2.11	.27
DEC	15.5	3.0	7.0	14.0	3.2	1.0	.5	.5						20.9	146	.51	.91	.14
ANNUAL	6.6	74.5	2.0	10.5	5.2	4.4	7.1	.9	.0					28.7	2033	1.16		

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

16603 PROBISHER BAY NWT OUT APT
STATION

42-50

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42			T	T	.14	.09	.52	.26	.31	.05	.26	.08	
43	.01	.09	.02	.08	.34	.47	.29	.20	1.44	.17	.09	.45	1.44
44	.11	.13	.07	.10	.80	.25	.12	.62	.06	.18	.28	.06	.80
45	.08	.02	.14	.42	.36	.19	1.14	.42	.45	.90	.12	.20	1.14
46	.10	.22	.11	.10	.03	.47	.19	.97	.74	.63	.60	.02	
47	.11	.06		T	.02	.80	.63	.31	.54	.31	.12	.75	
48	.15	.32	.09		.18	.43	.53	.77	.64	.35	.70	.05	
49	.22	.15	.40	.20	.48	.82	.20	1.08	1.16	.74	.44	1.26	
50	.32	.20	.16	.30	.08	.58	.33	.26					
MEAN	.14	.15	.14	.20	.27	.43	.44	.54	.67	.47	.33	.27	1.13
S D	.094	.104	.123	.136	.232	.227	.316	.331	.448	.288	.231	.281	
TOTAL OBS	248	198	217	180	279	270	279	279	240	217	240	186	2939

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

10603 FREDRICK BAY NWT OUT APT
STATION STATION NAME

42-50

YEARS

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

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
4.			TRACE	TRACE						.05			PRECIP
40			6	20						28			DAYS
47				TRACE								.02	PRECIP
49		.15		24								13	DAYS
		27										1.20	PRECIP
												10	DAYS
MEAN													
S D													
TOTAL OBS													

DATA PROCESSING DIVISION
 WSAF, LTD.
 AIRPORT OF NEW YORK/JFK

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOWFALL
 (FROM DAILY OBSERVATIONS)

160-5 STATION 160-50 STATION NAME MAY NOT OUT APT 46-50 YEARS

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	66.5	27.7	9.1	7.7	1.5	.0								18.7	155	5.7	5.2	2.7	
FEB	73.1	25.1	11.5	6.2	3.3	1.8	.2							18.3	113	6.1	11.2	1.0	
MAR	46.6	27.6	10.5	6.5	.6	1.0								23.2	124	5.7	15.6	2.2	
APR	42.4	31.1	12.7	7.7	2.2	2.2								13.3	70	5.5	8.7	3.4	
MAY	43.9	4.1	6.4	3.2	.0			1.3						11.5	155	5.5	1.1	.4	
JUN	67.3	25.3	5.3	1.3	.7									7.3	120	1.1	6.0	TRACE	
JUL	92.1	1.1													155	TRACE	TRACE	.0	
AUG	92.1	.1	.1	.1										1.3	155	.2	1.1	.0	
SEP	51.2	25.1	6.3	1.7	3.3	.0	.3		.2					15.8	120	6.6	20.0	4.0	
OCT	25.5	37.1	17.7	12.7	2.4	.5	2.4		.4					37.1	124	11.2	16.2	6.3	
NOV	27.3	37.5	15.0	15.1	4.2	1.7	.3	.3	.2					35.2	120	12.7	20.3	3.1	
DEC	41.9	44.2	9.1	1.0	1.0				1.5					14.5	62	5.4	5.5	1.5	
ANNUAL	54.2	20.5	9.1	5.3	1.7	.8	.4	.2	.4					18.6	1323	63.7			

EXTREME VALUES

SNOWFALL

46-50

YEARS

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

16693
STATION

FROBISHER BAY NWT OUT APT
STATION NAME

46-50
YEARS

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

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
47			0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
48	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
49	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
50	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
51												13	SNOWFALL DAYS
52				TRACE 24								12.0	SNOWFALL DAYS
53		1.5 27										10	SNOWFALL DAYS
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN													
S D													
TOTAL OBS													

DATA PROCESSING DIVISION
 USAF FT
 AIR EXCH. SERV. CO. 1017 AC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

14604 STATION 14604 STATION NAME 42-30 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN						14.8	5.3	23.0	5.7					100.0	24			
FEB						14.1	32.4	27.5	15.7	5.5				100.0	17			
MAR							21.5	47.8	30.7					100.0	10			
APR					15.0	10.6	9.4	46.7	18.3					100.0	10			
MAY		0.1	0.1	0.1	3.2	10.5	20.0	29.8	11.7	9.8				100.0	24			
JUN	52.4	10.0	13.9	7.0	2.0	3.3	1.0							24.1	210			
JUL	0.0	0.0	0.0											2.9	274			
AUG	100.0														279			
SEP	70.3	11.7	4.0	2.1	1.7	2.3	1.3							12.1	240			
OCT	1.4	20.3	12.4	24.0	18.4	12.9	6.5	5.1						78.3	217			
NOV				5.7	2.4	57.1	22.9	7.9						100.0	240			
DEC						40.6	42.4	17.1						100.0	217			
ANNUAL	25.7	5.1	3.4	4.0	3.9	13.9	10.7	17.0	6.9	5.4				68.2	2742			

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

DAILY SNOW DEPTH IN INCHES

[illegible]

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

16603
STATION

FRIEBISHER BAY NWT DUT APT
STATION NAME

42-50

YEARS

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

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
42						0				3			SNOW DPTH DAYS
43			0	0	0	0				13			SNOW DPTH DAYS
44			0										SNOW DPTH DAYS
45						0							SNOW DPTH DAYS
46				31									SNOW DPTH DAYS
47				11									SNOW DPTH DAYS
48		13										30	SNOW DPTH DAYS
49		27										10	SNOW DPTH DAYS
MEAN													
S D													
TOTAL OBS.													

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

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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

2

SURFACE WINDS

YEARS

[illegible]

USAF ETAC 100000 0-88-5 (OLI)

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

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

SURFACE WINDS

16603 PROBISHER BAY WXT DUT APT
STATION NAME

47-50

YEARS

11 MONTH

ALL WEATHER
CLASS

111 HOURS - 151

CONTINUED

SPEED KNTS DIR	1-3	4-6	7-10	11-15	16-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.5	1.9	2.2	1.3	1.2	.4	.1	.1	.1		9.7	12.9
NNE	.5	.5	.6	.4	.1	.1	.1	.0	.0	.0		2.2	9.5
NE	.6	1.0	1.1	.5	.3	.2	.1	.1	.0	.0		4.0	9.3
ENE	.5	.3	.6	.4	.2	.1	.0	.0	.0	.0		2.0	11.4
E	.5	.7	1.2	1.0	.4	.3	.1	.0	.0	.0		4.0	11.4
ESE	.4	.5	.8	.6	.3	.3	.1	.0	.0	.0		3.2	12.0
SE	1.3	2.2	2.9	2.1	.8	.5	.1	.1	.0	.0		10.1	10.0
SSE	1.0	1.8	2.0	1.6	.6	.4	.1	.0	.0			7.7	10.1
S	1.0	1.4	1.4	.7	.3	.2	.0	.0				5.1	8.3
SSW	.5	.5	.4	.2	.1	.1	.0	.0				1.7	7.5
SW	.6	.7	.6	.2	.1	.0	.0					2.3	6.6
WSW	.2	.3	.3	.2	.1	.1	.0			.0		1.2	9.1
W	.4	.6	.7	.4	.1	.1	.0	.0				2.3	8.8
WNW	.0	.7	1.0	.5	.4	.2	.0	.0				3.8	10.1
NW	1.7	2.2	3.7	3.5	1.5	1.0	.2	.1	.0			13.8	11.1
NNW	1.3	1.5	2.8	3.4	2.1	1.3	.4	.1	.0			13.2	13.3
VARBL													
CAIM												13.4	
	12.5	10.3	22.0	18.6	6.6	6.1	1.7	.6	.1	.0		100.0	9.4
TOTAL NUMBER OF OBSERVATIONS													62102

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

SURFACE WINDS

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

16601 FORT HICKORY APT DUT APT
STATION NAME

43-50
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS 151

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.0	2.3	2.5	1.3	1.1	.5	.4	.1			12.0	12.7
NNE	.0	.6	.6	.5	.9	.1	.1					2.8	10.0
NE	1.5	1.8	1.1	1.1	.8	.7	.4	.5	.0	.0		7.9	13.0
ENE	.5	.4	.4	.3	.2	.2	.1	.2	.0			2.2	13.1
E	.7	.9	1.0	.6	.3	.2	.1	.0		.0		4.0	10.2
ESE	.4	.5	.5	.5	.3	.4	.1	.4	.1	.0		3.0	16.8
SE	1.4	.7	.8	.0	.3	.2	.1	.1				4.3	10.1
SSE	.7	.5	.5	.4	.1	.2	.2	.2	.1			2.4	15.9
S	.5	.4	.3	.1	.0	.1						1.3	7.3
SSW	.2	.2	.1	.1								.6	6.6
SW	1.1	.5	.2	.2	.0	.0						2.2	5.4
WSW	.1	.1	.0	.0								.3	5.3
W	.6	.7	.4	.2	.1	.1						2.1	7.0
WNW	.5	.6	1.3	.0	.4	.1						3.4	9.5
NW	2.1	2.4	4.1	4.4	2.4	1.8	.6	.3	.1			18.2	12.6
NNW	1.0	1.4	2.2	4.1	2.4	1.9	.7	.3	.0			14.0	14.9
VARIABLE												19.3	
TOTAL	12.7	13.6	15.7	16.6	9.2	7.2	2.9	2.2	.5	.1		100.0	10.0
TOTAL NUMBER OF OBSERVATIONS													5090

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

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

SURFACE WINDS

166 7 FURNISHED WAVE MET DET APT
STATION NAME

65-69

YEAR

PER MONTH

ALL WEATHER
CLASS

ALL
HOURS

CONDITION

SPEED KNTS (MPH)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	64-71	72-79	80-87	88-95	96-103	MEAN WIND SPEED
N	2.3	2.0	2.2	2.4	1.0	1.7	1.0	.4	.1				14.5	13.7			
NNE	.0	.4	.4	.2	.1	.0	.0						1.0	7.3			
NE	1.0	1.3	.9	.2	.1	.1							3.0	6.4			
ENE	.3	.1	.3	.4	.2	.3	.1	.1					1.7	14.5			
E	.4	.4	.8	.7	.5	.5	.4	.1					4.0	13.5			
ESE	.3	.2	.3	.4	.3	.1	.0						1.3	10.0			
SE	1.4	1.0	1.6	1.1	.4	.3	.1						3.3	9.3			
SSE	1.7	.9	.5	.5	.3	.4	.1	.0					3.3	10.3			
S	1.0	.3	.7	.2	.1	.1		.0					2.0	6.4			
SSW	.4	.2	.0	.1	.0		.0	.0					.7	6.9			
SW	.3	.3	.2	.1	.0								1.0	5.4			
WSW	.1	.0	.1										.2	4.4			
W	.3	.2	.3	.1	.1	.1							1.2	9.0			
WNW	.0	.0	1.0	.7	.5	.5	.0						3.0	11.7			
NW	2.7	2.0	4.1	3.3	2.1	2.1	.3	.1					17.4	11.5			
NNW	1.0	1.4	2.0	2.4	2.4	2.0	.0	.4	.1				12.5	14.7			
CALM													24.1				
	14.9	12.9	14.7	12.0	4.0	6.3	2.0	1.2	.1				100.0	4.4			
TOTAL NUMBER OF OBSERVATIONS														4400			

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

SURFACE WINDS

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

16603 FARMINGER BAY NAT HIST ART

42-46, 48-50

YEARS

6.22
MONTH

ALL WEATHERS
YEARS

ALL
HOURLY

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	1.0	2.0	2.1	2.1	.0	.2	.2	.0		13.0	14.8
NNE	.5	.6	.2	.4	.1	.1						3.9	7.7
NE	1.0	.8	.9	.5	.2	.2	.0					3.5	8.0
ENE	.6	.3	.2	.2	.4	.2		.0				1.6	12.6
E	.0	.5	.9	1.1	.3	.2	.1					3.8	10.5
ESE	.4	.5	.4	.4	.1		.0					1.0	6.4
SE	1.8	1.1	.9	1.3	1.0	.5	.1	.1				6.6	10.5
SSE	.7	.6	.2	.4	.1	.2	.1	.0				2.3	9.4
S	.7	.7	.1	.1	.0							1.7	4.6
SSW	.3	.2	.0	.0		.0						.6	4.3
SW	.2	.2	.2	.1	.0	.0						.3	6.3
WSW	.1	.1	.2	.1	.1	.1						.6	11.9
W	.0	.3	.5	.4	.1							2.1	7.3
WNW	.4	1.0	.6	.4	.1	.0						3.0	6.5
NW	2.7	2.8	4.3	4.4	1.7	1.0	.2	.0				14.3	10.2
NNW	1.4	1.3	2.1	3.8	2.9	2.5	.9	.3	.0			15.5	15.2
VARBL												24.6	
CALM													
	14.0	13.0	13.6	15.2	9.3	7.1	2.2	.7	.2	.0		100.0	9.7
TOTAL NUMBER OF OBSERVATIONS													4449

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

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

SURFACE WINDS

165000 FABRISHER BAY MT. EPT

42-47, 49-50

YEAR:

WPK
MONTH

ALL WEATHER

ALL
HOURS, DAY

CONCERN

SPEED KNTS DIR	1-3	4-6	7-10	11-13	14-17	18-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	1.4	1.0	2.0	3.4	1.5	1.0	.3	.1					12.7	12.5
NNE	.4	.6	.5	.7	.1	.1	.1	.0					2.1	9.5
NE	.0	1.0	1.0	.5	.2	.2	.1	.1					4.0	9.1
ENE	.1	.2	.4	.5	.1	.1	.1	.1					1.5	11.4
E	.5	.7	.8	.6	.1	.1	.0	.0					2.9	9.0
ESE	.4	.4	.7	.6	.2	.1	.1	.1	.1				2.9	11.0
SE	1.0	1.8	2.5	1.5	.6	.4	.4	.1	.1	.0			4.4	10.8
SSE	.6	.6	.8	1.0	.4	.6	.1	.1					4.2	11.2
S	1.2	1.0	.6	.4	.1	.1	.1	.1					3.5	4.7
SSW	.6	.3	.1	.0	.0	.0	.0	.0	.0				1.1	7.4
SW	.9	.3	.3	.2	.0	.1	.0	.0					1.0	6.7
WSW	.9	.1	.1	.1	.0			.0	.0				.5	6.2
W	.4	.3	.6	.1	.1	.4	.0	.0	.0				2.0	10.8
WNW	.7	.6	.9	.9	.4	.1	.0	.0					3.5	9.4
NW	1.4	1.8	5.0	4.4	2.0	.7	.1	.1					15.3	11.0
NNW	1.1	1.4	3.5	4.7	3.1	2.2	.2	.0					16.4	13.8
CALM													16.5	
	12.1	13.2	20.9	19.3	9.2	5.0	1.5	.5	.0				100.0	9.3
TOTAL NUMBER OF OBSERVATIONS														4673

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

SURFACE WINDS

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

16605 PROBISHED RAY HAT LOT APT
STATION NAME

42-50

YEARS

6Y
MONTH
ALL
HOURS 1-23

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	.8	1.7	1.9	.9	.5	.1					4.9	11.4
NNE	.3	.2	.8	.5	.1	.0						1.9	8.7
NE	.7	1.1	1.1	.5	.4	.2	.0	.0				3.9	9.1
ENE	.2	.2	.6	.7	.5	.3						2.5	13.0
E	.5	.4	1.0	1.2	.6	.5	.1	.0				4.3	12.7
ESE	.4	.4	.7	1.1	.4	.3	.0	.0				3.5	11.7
SE	1.5	2.8	3.7	2.5	1.1	1.0	.3	.2				13.2	11.0
SSE	1.2	1.4	2.2	2.0	.9	.7	.1					8.5	10.9
S	1.3	1.3	1.3	.9	.3	.1						5.2	7.9
SSW	.5	.5	.3	.4	.1							1.7	7.0
SW	1.0	.6	.2	.1	.0							1.0	4.7
WSW	.3	.3	.2	.1	.1							1.0	7.1
W	.6	1.0	.8	.3	.1	.1	.1	.1				3.0	5.9
WNW	.4	.5	1.1	.9	.7	.4	.1	.0				4.1	12.1
NW	.6	1.6	3.4	5.1	2.1	1.1	.1	.0				14.0	12.5
NNW	.4	.9	3.1	3.6	2.1	1.4	.3	.0				12.5	13.5
VARBL												11.8	
CALM													
	11.3	14.2	22.1	22.0	10.4	0.5	1.2	.4				100.0	9.9
TOTAL NUMBER OF OBSERVATIONS													6091

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

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

SURFACE WINDS

16603
STATION

ENGLISHMAN RAY MNT DPT MPT
STATION NAME

42-50

YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS 1-24

CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	2.3	1.8	.9	.9	.2					7.4	12.3
NNE	.1	.2	.3	.3	.1	.1	.0					1.2	10.6
NE	.3	.6	1.0	.7	.3	.1	.0					2.0	8.4
ENE	.1	.2	.6	.3	.1	.0						1.5	10.1
E	.2	.5	1.0	.0	.3	.2	.1					3.1	11.3
ESE	.4	.4	.8	.4	.1	.0	.0					2.2	8.4
SE	2.4	5.5	6.3	3.3	.8	.4	.1	.1				19.2	8.4
SSE	1.0	3.9	3.3	2.0	.3	.1						11.4	7.6
S	1.2	2.3	2.4	.8	.2	.1						7.1	7.2
SSW	.6	.7	.4	.2	.1	.0						2.0	4.4
SW	.6	1.0	.9	.2	.0	.0						2.3	4.1
WSW	.7	.3	.7	.4	.1	.1	.0					1.7	10.0
W	.4	.5	1.0	.6	.1	.1						2.3	8.0
WNW	.6	.5	1.2	.6	.2	.0						3.2	6.8
NW	.6	1.2	4.4	3.0	.9	.3	.0					10.4	10.4
NNW	1.2	1.1	.2	3.8	2.0	1.3	.1	.0				12.8	12.7
VARBL												9.7	
CALM													
	11.8	19.7	29.8	19.4	6.3	3.7	.5	.1				100.0	8.7
TOTAL NUMBER OF OBSERVATIONS													5996

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28901

SURFACE WINDS

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

16603 FREDERICK BAY AWT OCT APT
STATION NAME

42-50

YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS 1-24

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.0	1.4	.7	.2	.1	.0				4.8	12.0
NNE	.2	.4	.4	.3	.1	.0						1.5	6.4
NE	.3	.3	.3	.3	.1	.0						1.2	8.3
ENE	.1	.2	.3	.3	.2	.0						1.0	10.5
E	.2	.2	.6	.2	.2	.0						1.5	9.7
ESE	.3	.4	.8	.4	.2	.0						2.0	9.0
SE	2.0	3.5	4.5	2.1	.6	.8	.1					13.5	8.9
SSE	2.0	5.5	4.8	2.7	1.0	.5	.0					16.6	8.6
S	1.4	4.4	3.3	1.3	.4	.2	.0					10.4	7.7
SSW	.4	.8	1.0	.4	.2	.1	.0					3.4	7.9
SW	.9	1.8	.9	.2								3.2	5.6
WSW	.7	.7	.6	.4	.1	.0						2.5	7.0
W	.5	.5	.6	.3	.1	.0						2.0	7.4
WNW	1.0	.3	.7	.5	.2	.0						2.9	7.8
NW	1.3	1.2	1.9	2.7	1.1	.6	.1					8.9	11.1
NNW	1.6	1.3	2.5	3.0	1.6	.7	.3	.0				11.1	11.4
VARBL												12.5	
CALM													
	14.4	21.3	24.4	16.5	6.8	3.5	.7	.0				100.0	8.0
TOTAL NUMBER OF OBSERVATIONS													6196

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

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

SURFACE WINDS

10003 FROBISHER PAY MNT DUT APT
STATION NAME

42-30

YEARS

4110
MONTH

ALL WEATHER
CLASS

ALL
HOURS (EST)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.0	.8	1.2	1.3	.6	.3	.1					5.1	10.7
NNE	.3	.3	.2	.2	.0							1.0	7.1
NE	.3	.3	.4	.3	.1	.0						1.8	7.2
ENE	.3	.3	.4	.1	.1	.1	.0					1.3	8.4
E	.3	.3	.3	.3	.2	.1						1.6	10.0
ESE	.3	.4	.7	.6	.4	.2	.0					2.6	11.3
SE	1.4	2.5	2.6	2.0	.3	.2						9.3	8.6
SSE	1.4	3.4	3.1	2.2	.9	.3	.1	.1				13.9	9.3
S	1.7	3.5	3.9	1.5	.5	.3	.0		.1			11.3	8.0
SSW	.7	1.0	1.0	.4	.1	.1	.0					3.3	7.3
SW	.7	1.7	1.1	.4	.2	.0						4.2	6.9
WSW	.4	.5	.7	.4	.2	.0	.0					2.3	8.7
W	.4	.6	.9	.3	.0	.0						2.3	7.5
WNW	.6	.9	1.1	1.2	.3	.1	.1	.0				4.6	9.9
NW	1.3	2.5	3.7	3.8	1.6	.5	.1	.0				13.5	10.7
NNW	1.4	2.0	2.9	2.5	1.2	.6	.2					10.8	10.6
VARBL													
CALM												11.1	
	12.8	21.2	26.3	17.4	6.9	2.8	.7	.1				100.0	8.3
TOTAL NUMBER OF OBSERVATIONS													6196

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

SURFACE WINDS

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

16603
STATION

FRIBISHER BAY NWT DUT APT
STATION NAME

42-49
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS 1-24

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	.0	1.7	2.1	1.9	.5	.7	.3	.2				8.3	11.8
NNE	.6	.4	.6	.2	.1	.0						2.0	7.3
NE	.5	1.0	.7	.5	.2	.0						2.9	7.8
ENE	.3	.3	.4	.2	.1							1.1	7.5
E	.2	.9	1.3	.5	.1	.0						3.1	8.3
ESE	.5	.5	.7	.5	.1	.1						2.3	8.3
SE	1.0	1.9	3.2	2.2	.7	.2						9.3	9.5
SSE	1.6	2.0	2.6	3.1	1.3	.6	.2					11.3	10.9
S	1.1	1.7	1.5	1.6	.6	.3	.0					6.9	9.5
SSW	.8	.6	.5	.2	.0	.0						2.2	6.3
SW	.7	1.0	.9	.4	.1	.0	.0					3.2	7.4
WSW	.2	.5	.5	.3	.2	.2				.0		1.9	10.8
W	.3	.8	.9	1.0	.3	.0						3.4	9.8
WNW	.4	.6	1.6	1.5	.8	.6		.0				5.5	12.4
NW	.7	2.0	4.3	3.5	1.2	.9	.1	.0				12.8	11.4
NNW	.7	1.6	3.4	3.5	1.9	1.3	.6	.2				13.3	13.7
VARBL													
CALM												10.6	
	10.4	17.4	25.4	21.3	8.2	5.0	1.2	.5		.0		100.0	9.5
TOTAL NUMBER OF OBSERVATIONS													3758

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

SURFACE WINDS

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

16603 STATION FROBISHER BAY NAT OUT APT
STATION NAME

42-49

YEARS

12 MONTH
all
HOURS 1-24

ALL FEATHER
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	.9	1.4	2.2	2.0	1.4	1.3	.3					10.4	13.0
NNE	.5	.7	.8	.7	.1	.0	.0					2.9	8.5
NE	.5	1.2	1.9	1.2	.3	.7						5.5	7.0
ENE	.2	.8	1.1	.5	.1	.1	.1		.0			3.0	9.9
E	.5	1.3	3.1	1.6	.4	.5	.1	.1	.1	.1		7.6	11.3
ESE	.3	.8	1.2	1.1	.6	.7	.3	.1				5.1	13.8
SE	.6	1.6	2.8	2.9	1.6	1.4	.2	.0				12.3	12.3
SSE	.4	.6	.9	1.2	.7	.6	.1					4.4	12.8
S	.3	.6	.9	.8	.4	.3	.1	.0				3.2	11.6
SSW	.2	.4	.5	.3	.1	.1	.0		.0			1.5	7.4
SW	.5	.6	.9	.5	.1	.0	.0					2.4	8.2
WSW	.2	.1	.3	.4	.1	.2	.1					1.4	12.9
W	.4	.5	.8	.6	.4	.3	.0					3.2	11.4
WNW	.4	.6	1.3	1.2	.6	.2	.1					4.5	11.2
NW	1.3	2.1	3.7	2.9	1.1	.9	.2	.1				12.4	11.0
NNW	.6	1.8	4.2	3.9	2.3	1.1	.1	.1				14.2	12.4
VARBL												6.3	
CALM													
	8.1	15.1	27.4	22.3	10.0	8.0	1.7	.4	.1	.1		100.0	10.9
TOTAL NUMBER OF OBSERVATIONS													5924

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

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

SURFACE WINDS

16603 FREDERICK HAY NET DET APT
STATION STATION NAME

62-69

YEAR

ALL MONTH
all
HOURS 1-24

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	9	MEAN WIND SPEED
N	1.3	1.5	1.7	2.7	1.7	1.2	.3	.1	.0			10.7	13.0
NNE	.4	.6	.8	.5	.1	.2	.0	.0				3.1	8.0
NE	.7	1.3	1.6	.6	.2	.7	.1	.0				5.1	8.0
ENE	.4	.5	1.3	1.1	.4	.2	.2	.1				4.2	12.4
E	.2	.8	2.3	2.0	1.0	.7	.2	.1				7.3	13.2
ESE	.4	.7	2.1	2.3	1.2	1.0	.3	.1	.1	.3		3.3	13.1
SE	.4	1.2	2.2	3.4	1.4	.8	.2	.1				10.2	12.7
SSE	.3	.6	1.2	1.3	1.1	.9	.3	.1				6.2	14.3
S	.3	.5	.4	.8	.5	.6	.1	.0				2.0	14.1
SSW	.1	.2	.2	.3	.1	.3	.0					1.2	13.1
SW	.2	.2	.3	.4	.1	.1	.1					1.6	10.5
WSW	.1	.1	.2	.2	.1	.0						.7	11.2
W	.2	.5	.4	.2	.1	.1						1.3	8.8
WNW	.4	.5	.8	.6	.2	.2	.2					2.8	11.2
NW	1.7	2.3	3.0	2.8	1.0	.8	.3					12.2	10.4
NNW	1.3	2.0	2.3	3.0	2.3	1.7	.6	.1				13.7	13.3
VARBL													
CALM												7.7	
	9.4	14.0	21.3	23.1	11.3	9.0	2.8	.7	.1	.0		100.0	11.4
TOTAL NUMBER OF OBSERVATIONS													2232

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

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

SURFACE WINDS

16603 EXHIBITION HAY NAT DOT APT

42-42

YEARS

PER MONTH

ALL WEATHER

ALL HOURS

LOCATION

DIRECTION	1-3	4-6	7-9	10-15	16-20	21-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	2.5	3.0	2.3	2.4	1.8	3.0	1.5	.2	.4	.1		18.1	14.2
NNE	1.1	.6	1.2	.6	.3	.3	.4	.2	.1	.0		5.1	13.2
NE	1.0	1.8	2.1	.9	.3	.2	.1	.2		.0		7.4	9.0
NNE	.2	.6	.9	.3	.2	.1	.0	.1				2.5	10.6
E	1.0	.9	1.1	1.0	.4	.2	.1	.2	.0	.0		4.9	11.2
ESE	.6	.5	.6	.7	.2	.2	.0	.0				2.9	9.9
SE	1.4	1.2	1.0	1.0	.4	.1	.0					5.0	8.3
SSE	.6	.2	.4	.3	.2	.0						2.0	9.2
S	.5	.3	.4	.2	.1	.0						1.6	6.9
SSW	.3	.1	.0	.0	.0							.4	4.5
SW	.3	.1	.1									.6	4.3
WSW	.1	.1	.0	.0	.0							.3	3.3
W	.6	.4	.3	.2	.1							1.6	6.6
WNW	1.1	1.0	.5	.4	.1	.1	.0					3.3	6.9
NW	4.3	3.0	3.3	2.7	1.5	1.6	.4	.1				17.6	10.0
NNW	1.7	2.1	1.9	2.9	1.9	1.4	.4	.3	.1			12.9	12.8
APR													
WIND												13.8	
	19.3	10.6	16.2	14.2	7.7	7.2	2.9	1.3	.5	.2		100.0	9.5
	TOTAL NUMBER OF OBSERVATIONS												4988

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

SURFACE WINDS

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

16604 FROBISHER BAY FORT MIT APT
STATION NAME

43-50

YEARS

JAN
MONTH

0000-0200
HOURS U.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	1.3	2.2	4.1	2.2	1.0	.9	.9	.3				11.3	12.8
NNE	.2	.9	1.2	.3	.3							2.9	9.1
NE	1.9	3.6	.9	1.0	1.4	.7		.5	.2			10.1	11.0
ENE	.7		.2		.2			.2	.2			1.4	15.4
E	.3	.7	1.0	.7	.7	.3	.2					4.1	12.4
ESE	.4	.3	.5	.7	.2	.7						2.7	12.7
SE	1.4	.2	.5	.7	.7	.3						3.8	10.5
SSE	.2	.7	.7	.5	.2	.3		.2	.3			3.1	16.1
S		.7	.5		.2	.2						1.5	10.4
SSW		.2										.2	4.0
SW	.9	.3	.3	.2	.2							1.9	6.2
WSW	.3	.2										.7	3.3
W	.9	.5	.3	.3								2.1	5.8
WNW	.9	.3	1.9	1.2	.3							4.6	9.4
NW	3.1	2.1	4.6	4.5	1.7	2.2	.9	.7	.2			19.9	17.7
NNW	1.6	.7	1.4	3.4	1.0	1.7	.9					10.1	15.2
VARBL												17.2	
CALM													
	13.7	13.6	16.1	16.5	8.1	7.4	2.7	1.9	.9			100.0	9.4
TOTAL NUMBER OF OBSERVATIONS													563

2000

● ● ● ●

inf

43-55

ALL WEATHER

4 MONTH
0300-0500
HOURS

USAF ETAC 085-OL1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

SURFACE WINDS

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

16670 FREDERICK DAY SURF OIL APT
STATION NAME

43-50

(YEAR)

JAN
MONTH

ALL WEATHER
CLASS

0600-0700
HOURS

CONDITION

WIND DIRECTION	1-3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.9	1.7	2.2	1.5	.5	.5	.5				11.1	13.1
NNE	.6	1.1	.8	.4	.3	.2						3.7	5.9
NE	.6	1.5	1.2	1.7	1.2	.7	.6	.3				5.7	14.5
ENE		.9	.2	.2	.5			.3				2.0	13.5
E	1.1	.6	1.1	.5	.5		.2					3.0	8.7
ESE	.8	.2	.5		.8	.2		.5				2.7	15.3
SE	.9	1.7	.6	1.4	.5	.2	.2	.3				5.7	10.8
SSE	.6	.3	.5	.5			.2		.3			2.0	15.5
S	.3		.6	.2		.2				.3		1.2	6.3
SSW	.5	.2		.4								.3	6.5
SW	1.5	.2		.7								2.0	4.2
WSW		.2										.2	5.0
W	.0	.6	.5	.5								2.7	6.6
WNW	.5	.6	1.9	1.1	.2							4.2	7.8
NW	1.7	2.4	3.6	4.0	2.3	2.2	1.1	.3				12.0	13.4
NNW	1.4	.8	2.3	3.6	3.1	1.9	1.4					14.4	15.1
UNK												17.6	
TOTAL	12.4	13.6	15.3	17.5	10.6	6.2	4.0	2.2	.3			100.0	10.3
TOTAL NUMBER OF OBSERVATIONS												646	

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

SURFACE WINDS

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

16601 FLOBIEMER BAY NAT DIST APT
STATION NAME

93-50

YEARS

JAN
MONTH

0000-1100
HOURS, EST

ALL WEATHER
CLAS

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	1.3	2.2	1.3	3.2	1.3	.0	.3	.3				10.3	11.2
NNE	.7	.4	.4	.7	.3	.3	.1					3.7	12.3
NE	1.3	1.3	.7	1.2	.3	1.0	1.0	.1				7.2	14.0
ENE	.3	.7	.4	.4			.3	.1				2.3	12.7
E	.7	1.3	.7	1.2	.4	.1	.1					4.0	9.8
ESE	.1	1.0	.4	.4	.3		.1	.3				2.3	12.4
SE	1.3	.4	1.0	1.2	.1	.4	.3					4.0	10.0
SSE	.3	.6	.4	.1	.1	.1		.4				2.2	14.3
S	.0	.3	.1	.3								1.3	6.8
SSW	.4	.4	.4	.1								1.5	6.4
SW	.4	1.0	.1	.4								2.5	3.3
WSW	.3											.3	3.0
W		.1	.1	.1	.1	.1						.7	12.3
WNW	.3	.9	1.2	.1	.3	.3						3.4	9.3
NW	1.9	2.3	4.5	5.0	2.6	.9	.7	.3				18.8	12.0
NNW	.0	2.2	3.7	4.0	2.6	1.9	.5	.4				16.0	14.5
CAPI												17.4	
TAIR													
	11.3	10.0	16.1	18.6	8.9	5.9	3.7	2.1				100.0	10.0
TOTAL NUMBER OF OBSERVATIONS													652

USAF ETAC FORM 10-64 1085-01-1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

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

SURFACE WINDS

16613 FORTISHER HAV FWT DET APT
STATION NAME

43-50

YEARS

JAN
MONTH

ALL WEATHER
CLASS

1700-1400
HOURS LST

CONDITION

SPEED KNT. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.5	2.6	2.6	1.2	1.3	.3	.1	.3			12.4	12.4
NNE	.4	1.3	.7	.4	.3		.1					4.4	8.8
NE	1.5	1.3	.6	.9	.3	1.0	.3	.9		.1		6.9	15.5
ENE	.4	.1	.7	.7	.4	.1	.1					2.6	12.3
E	.6	1.5	.6	1.5	.3	.4				.1		5.0	11.3
ESE	.4	.3	.7	.4	.3			.4	.1	.1		2.9	17.8
SE	.9	.6	.9	.6	.6	.3						3.4	12.3
SSE		1.0	.3	.4	.1			.4				2.3	13.6
S	1.3	.7										2.1	3.1
SSW	.1	.6										.7	6.0
SW	1.0	.4		.4								1.9	5.7
WSW													
W	.4	.4	.3		.1							1.5	3.2
WNW	.4	.1	.6	.3	.6	.1						2.2	11.5
NW	1.4	1.9	4.3	4.3	2.2	1.6	.3	.1				16.4	12.2
NNW	1.2	1.6	2.3	5.7	2.9	2.1	.4	.4				17.3	14.3
VARBI													
CAIM												17.7	
	13.9	13.6	14.7	18.5	9.4	7.2	1.6	2.5	.4	.4		100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

682

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

SURFACE WINDS

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

166 2 FARMISHER FAY APT DET APT
STATION NAME

43-50

YEARS

JAN
MONTH

1500-1700
HOURS LST

ALL FEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.9	2.2	2.9	1.0	1.0	.9	.9				15.1	13.1
NNE	1.5	.4	.1	.4	.4		.1					3.1	6.2
NE	1.5	1.2	1.2	.9	.9	.7	.0	.3				7.2	12.4
ENE	.3	.3	.7	.0		.1	.1					2.2	10.9
E	.7	1.3	1.6	.4		.3		.1		.1		4.7	10.4
ESE	.3	.6	.6	.9	.3	.7		.4	.1	.1		4.1	17.3
SE	1.3	.7	.4	.6	.6							3.7	8.6
SSE	.4	.4	.6	.6	.3	.1	.0					3.1	13.0
S	.1	.3				.1						.6	7.0
SSW	.3	.1	.1									.5	3.3
SW	1.5	.3		.4		.1						2.2	6.2
WSW		.1	.1									.1	6.3
W	.4	1.3	1.0									3.4	5.8
WNW	.3	.4	.9		.6	.3						2.3	11.8
NW	1.0	3.5	2.8	2.9	2.9	1.8	.7					15.7	12.3
NNW	1.0	1.6	1.9	4.8	2.9	1.6	.3	.4	.1			15.0	14.4
VARIABLE													
CALM												16.6	
	14.4	14.8	14.4	15.0	10.6	7.8	3.1	2.2	.3	.3		100.0	10.2
	TOTAL NUMBER OF OBSERVATIONS												661

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

SURFACE WINDS

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

16603 FROBISHER BAY TENT OUT APT
STATION NAME

43-30

YEARS

JAN
MONTH

1800-2000
HOURS

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.0	3.3	2.2	2.5	.9	.2	.5	.3			14.7	13.2
NNE	.5	.5	.8	.3	.2							2.2	7.7
NE	.9	1.2	1.2	1.4	1.1	.6	.2	.3				6.1	12.8
ENE	.0	.3	.2	.2	.3	.0		.3				2.6	16.0
E	1.5	.3	.9	.4	.3			.2				3.4	8.0
ESE	.6		.3	.6	.2	.6	.3	.5	.3			3.4	20.4
SE	1.5	.8	1.2	.5	.2	.2	.3					4.6	8.9
SSE	.2	.3	.3	.2	.2	.3	.3					1.8	17.1
S	.4	.5		.2								.3	4.8
SSW													
SW	.9	.6	.3	.2	.2							2.2	5.9
WSW		.3	.2									.5	5.3
W	.5	.6	.8	.2		.2						2.2	7.6
WNW	.5	.9	.6	.3	.2							2.9	4.4
NW	2.5	2.5	4.2	4.2	1.8	1.8	.2	.2				17.2	11.5
NNW	.0	1.1	2.3	3.7	2.0	2.6	.8	.3	.2			13.7	16.0
VARBL													
CALM												21.8	
	12.9	11.8	16.8	14.5	8.9	8.0	2.3	2.2	.8			100.0	9.8
													650

TOTAL NUMBER OF OBSERVATIONS

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

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

SURFACE WINDS

16603 PROBISHEP RAY NAT OUT APT
STATION NAME

43-50

YEARS

JAN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS 1-5

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	.9	2.2	2.9	1.2	.9	1.7	.3	.2	.2			10.4	12.6
NNE	.3		.2	.3	.2	.2						1.2	11.9
NE	1.4	3.1	2.6	.7	.9	.2	.2	.5				9.4	10.0
NNE	.7		.2	.2	.2	.2		.3	.2			1.9	17.6
E	.2	.3	1.4	1.2		.3						3.4	11.2
ESE		.3	.2	.2	.2	.3	.5	.2				1.9	19.7
SE	.5	.9	.5			.5	.3	.2				3.4	13.7
SSE		.5	.3			.2	.7	.3				2.0	20.4
SW	.3	.3	.5									1.2	6.3
WSW		.2	.2									.1	5.5
W	1.7	.9	.7									3.2	4.4
WNW		.2		.2								.3	10.5
W	.3	1.4		.5	.5							2.7	8.5
WNW	.9	.5	1.4	.5	.2	.2						3.6	8.1
NW	2.7	2.2	5.5	3.7	2.7	2.4	.3	.3				19.9	12.3
NNW	.9	1.0	2.0	4.1	2.0	1.7	1.2	.3				13.3	15.5
CALM												21.8	
	10.7	19.0	18.4	13.3	7.7	7.8	3.6	2.4	.3			100.0	9.8
TOTAL NUMBER OF OBSERVATIONS													587

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

SURFACE WINDS

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

16607

FROBISHER BAY INT OUT APT
STATION NAME

43-59

YEARS

116
MONTH

ALL WEATHER
CLASS

0000-0700
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	2.4	2.4	2.1	2.4	1.1	1.3	.7	.2				12.7	11.8
NNE	1.1	.6	.2				.2					2.1	6.4
NE	.0	2.2	1.5	.2								4.5	6.0
ENE	.2	.2	.2	.7		.2	.2	.2				1.0	16.0
E	.7	.7	.6	.4	.6	.7						3.7	12.0
ESE	.4		.2	.6	.6							1.7	12.2
SE	.9	.6	1.1	1.1	.7	.4						4.9	16.8
SSE	.7	.6	.2	.4	.2	.4						2.4	6.3
S	.7	.2		.2	.2	.2						1.3	7.6
SSW				.2	.2							.4	14.5
SW	.2	.2										.4	3.5
WSW													
W		.6	.2			.4						1.1	11.2
WNW	.4	.9	1.1	1.8	.7	.4	.2					5.2	11.9
NW	2.2	4.4	5.4	3.2	1.1	3.2	.2					18.7	11.5
NNW	.4	1.1	2.6	2.4	2.2	2.2	.6	.2	.4			12.7	15.7
VARBL												26.2	
CALM													
	11.0	13.7	13.4	13.3	7.5	9.4	2.1	.6	.4			100.0	6.7
	TOTAL NUMBER OF OBSERVATIONS												534

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

SURFACE WINDS

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

16603 FROBISHER PAV HWT FLT APT
STATION NAME

43-50

YEARS

FEH
MONTH

0400-0500
HOURS EST

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	1.6	2.9	2.9	1.2	1.2	.6	.4	.4				11.3	11.2
NNE	.4	.4	.6	.2								1.6	6.9
NE	.6	1.9	1.4	.2								4.1	6.0
ENE			.6	.6	.2	.6						1.9	16.3
E	.6	.2	.8	1.4	.2	.4	.4					3.5	13.5
ESE	.2	.2	.6		.4	.2						1.6	11.8
SE	1.0	1.0	1.2	.4	.2	.8						4.5	10.0
SSE	1.0	.8	.6	.4	.4	.4						3.5	9.8
S	1.0	1.2	.2		.2	.2						2.7	6.6
SSW	.4	.2	.2	.2								1.0	7.0
SW		.2										.2	4.0
WSW		.2										.2	4.0
W	.2	.4	.8									1.4	6.0
WNW	.8	1.0	2.5	1.2	1.6	.8						7.8	12.0
NW	2.1	2.3	5.8	4.3	3.1	2.1	.4					20.2	12.1
NNW	1.2	1.0	1.6	1.6	2.7	1.4						9.3	13.4
VARBL												24.7	
CALM													
	11.1	13.8	19.6	11.5	10.1	7.6	1.2	.4				100.0	8.4
TOTAL NUMBER OF OBSERVATIONS													514

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

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

SURFACE WINDS

16603 FROBISHER 54V NWT DUT APT
STATION NAME

43-50

YEARS

FEB
MONTH

ALL WEATHER
CLASS

0000-0800
HOURS LST

CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.9	3.3	1.9	1.7	1.6	1.7	.9	.3				14.3	11.9
NNE	.9	.5	.3	.2								1.9	3.0
NE	.9	.2	1.0	.5	.2	.2						2.4	4.9
ENE	.7	.2	.5	.5		.3						2.3	10.2
E	1.0	.5	.5	1.0	.7	.3	.5					4.7	13.1
ESE	.5	.2	.2	.9	.3							1.9	10.8
SE	.7	1.0	1.7	1.0	.7	.2						5.4	9.0
SSE	1.0	.5	.3	.2	.3		.2					2.8	8.1
S	.5	.7	.3	.3	.2							2.4	6.5
SSW	.2	.2		.3								.7	8.8
SW	.3	.2	.2									.7	5.0
WSW													
W	.4	.3	.2	.2								.9	6.4
WNW	.5	1.2	1.4	1.4	.2	.3						5.1	9.9
NW	3.3	2.1	3.7	5.2	2.6	1.7	.2	.2				19.0	11.8
NNW	2.4	1.6	1.6	1.7	1.0	1.0	.7	.2				10.1	12.2
VARBL													
CALM												25.5	
	15.7	12.6	14.0	15.4	7.9	5.9	2.4	.7				100.0	8.1
	TOTAL NUMBER OF OBSERVATIONS												573

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

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

SURFACE WINDS

16603 FROBISHER BAY INT OUT APT
STATION NAME

43-50

YEARS

FEB
MONTH

0900-1100
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.9	2.5	.7	1.1	2.0	1.0	.7	.7				14.1	12.8
NNE	.5	.5	.2	.3	.2							1.7	7.4
NE	1.2	.3	.8	.2	.2							2.7	6.3
ENE	.2	.2	.2		.3	.2		.2				1.3	16.6
E	1.2	.5	.7	.7	.7	.5	.5					4.5	12.3
ESE	.2	.5	.2	.2	.5							1.5	10.8
SE	2.0	1.3	1.7	1.3	.2	.3						7.1	8.3
SSE	.5	1.0	1.0	.8	.5	.8	.2					5.2	11.8
S	1.2	.3	.2									1.7	3.8
SSW	1.0	.2					.2					1.3	6.5
SW	.5	.2	.3	.2	.2							1.7	7.0
WSW	.2		.2									.3	5.0
W	.3	.2	.3		.2							1.0	7.5
WNW	1.2	.5	.7	.3	.2							2.9	6.5
NW	2.5	2.2	4.0	3.5	2.7	1.7	.7	.2				17.5	12.6
NNW	2.5	2.5	1.3	2.0	2.4	1.0	.7	.5	.2			13.1	13.3
VARBL													
CALM												22.4	
	19.7	12.9	12.4	11.0	10.3	6.4	2.7	1.5	.2			100.0	8.7
	TOTAL NUMBER OF OBSERVATIONS												595

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

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

SURFACE WINDS

16603 FROBISHER DAY WAT DUT APT
STATION NAME

43-50

YEARS

FILE
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.9	1.5	2.7	2.4	1.0	1.4	.2	.2			13.5	14.3
NNE	.3	.2		.3	.2	.2						1.2	11.0
NE	.5	1.0	.5	.5		.2						2.7	7.7
ENE			.3	.2	.2	.5						1.2	16.4
E		.3	.2	1.0	.9	.9	.5	.2				4.1	18.9
ESE	.7	.2	.2	.2		.3						1.5	9.3
SE	2.7	1.0	2.2	1.7		.3	.2					3.2	8.3
SSE	1.2	.3	.9	.5	.2	.3	.2					3.6	9.7
S	1.2	.7	.3	.2								2.4	4.4
SSW	.5	.3						.2				1.0	8.3
SW	.9	.5	.5	.2								2.0	5.3
WSW	.3	.2	.2									.7	3.8
W	.3	.2	.5	.2								1.2	6.7
WNW	1.0	.3	.5	.3	.3	.7						3.2	11.0
NW	4.6	2.0	2.0	3.1	1.9	2.2	.3	.2				16.5	11.1
NNW	2.0	.3	1.0	3.4	3.7	1.7	.9	.9				14.0	16.4
VARBL												23.0	
CALM													
	18.7	9.5	11.1	14.5	9.7	8.3	3.4	1.3	.2			100.0	9.3
TOTAL NUMBER OF OBSERVATIONS													587

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

SURFACE WINDS

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

16600 PROBISHER RAY MAT OUT APT
STATION NAME

43-50

YEARS

4-8
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	2.6	3.2	3.2	1.9	.2	1.0				16.3	15.1
NNE	.5	.5	.9	.2		.2						2.2	8.1
NE	1.5	.9	.5		.3							3.2	5.7
ENE	.2	.2		.2	.7	.5						2.0	16.8
E	.3	.2	.7	.4	.9	.3						2.9	15.1
ESE	.5	.7	.2	.2	.2	.2	.3					2.2	11.4
SE	1.2	.9	2.0	1.0			.3					5.4	9.0
SSE	1.0	.5	.5	.7	.3	.2	.2	.2				3.6	11.6
S	1.0	.5	.3	.3				.2				2.4	4.1
SSW	.5		.2									.7	4.3
SW	.3	.5		.2	.2							1.2	6.9
WSW	.3											.3	3.0
W	.7				.3	.3						1.4	11.6
WNW	.3	.7	.7	.3	.5	.5						3.1	11.7
NW	2.4	3.1	2.6	2.6	2.2	1.9						14.6	11.1
NNW	1.7	1.9	2.0	1.7	2.4	2.2	.5	.7				13.1	14.8
VARBL												23.3	
CALM													
	13.8	12.8	13.1	10.7	11.2	8.9	2.6	2.0				100.0	9.2
TOTAL NUMBER OF OBSERVATIONS													568

2
1111
1
1
1
1
111
1
1111
1
1
1
1111
1
1
1

411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525
 526
 527
 528
 529
 530
 531
 532
 533
 534
 535
 536
 537
 538
 539
 540
 541
 542
 543
 544
 545
 546
 547
 548
 549
 550
 551
 552
 553
 554
 555
 556
 557
 558
 559
 560
 561
 562
 563
 564
 565
 566
 567
 568
 569
 570
 571
 572
 573
 574
 575
 576
 577
 578
 579
 580
 581
 582
 583
 584
 585
 586
 587
 588
 589
 590
 591
 592
 593
 594
 595
 596
 597
 598
 599
 600
 601
 602
 603
 604
 605
 606
 607
 608
 609
 610
 611
 612
 613
 614
 615
 616
 617
 618
 619
 620
 621
 622
 623
 624
 625
 626
 627
 628
 629
 630
 631
 632
 633
 634
 635
 636
 637
 638
 639
 640
 641
 642
 643
 644
 645
 646
 647
 648
 649
 650
 651
 652
 653
 654
 655
 656
 657
 658
 659
 660
 661
 662
 663
 664
 665
 666
 667
 668
 669
 670
 671
 672
 673
 674
 675
 676
 677
 678
 679
 680
 681
 682
 683
 684
 685
 686
 687
 688
 689
 690
 691
 692
 693
 694
 695
 696
 697
 698
 699
 700
 701
 702
 703
 704
 705
 706
 707
 708
 709
 710
 711
 712
 713
 714
 715
 716
 717
 718
 719
 720
 721
 722
 723
 724
 725
 726
 727
 728
 729
 730
 731
 732
 733
 734
 735
 736
 737
 738
 739
 740
 741
 742
 743
 744
 745
 746
 747
 748
 749
 750
 751
 752
 753
 754
 755
 756
 757
 758
 759
 760
 761
 762
 763
 764
 765
 766
 767
 768
 769
 770
 771
 772
 773
 774
 775
 776
 777
 778
 779
 780
 781
 782
 783
 784
 785
 786
 787
 788
 789
 790
 791
 792
 793
 794
 795
 796
 797
 798
 799
 800
 801
 802
 803
 804
 805
 806
 807
 808
 809
 810
 811
 812
 813
 814
 815
 816
 817
 818
 819
 820
 821
 822
 823
 824
 825
 826
 827
 828
 829
 830
 831
 832
 833
 834
 835
 836
 837
 838
 839
 840
 841
 842
 843
 844
 845
 846
 847
 848
 849
 850
 851
 852
 853
 854
 855
 856
 857
 858
 859
 860
 861
 862
 863
 864
 865
 866
 867
 868
 869
 870
 871
 872
 873
 874
 875
 876
 877
 878
 879
 880
 881
 882
 883
 884
 885
 886
 887
 888
 889
 890
 891
 892
 893
 894
 895
 896
 897
 898
 899
 900
 901
 902
 903
 904
 905
 906
 907
 908
 909
 910
 911
 912
 913
 914
 915
 916
 917
 918
 919
 920
 921
 922

THE

[illegible]

1

— — —

•

DATA PROCESSING DIVISION
ETAC, USAF
SHEVILL, W. C. 28801

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

SURFACE WINDS

10607 FORT BRUNNEN RAY WAT DUT APT
STATION NAME

43-50

YEARS

ALL WEATHER
CLASS

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	9	MEAN WIND SPEED
N	1.1	3.7	2.8	2.4	.6	2.4	1.8		.4			15.5	14.7
NNE	.7	.4	.6	.4								2.0	7.1
NE	1.6	2.2	.4									4.4	4.2
ENE	.7	.2	.6	.7			.4	.2				2.2	12.2
E	.9	.4	2.0	.4	.2	.2	.4					4.4	10.4
ESE	.9	.2		.6	.4							2.0	8.0
SE	1.5	1.1	.9	1.1	.7	.7	.4					5.7	7.7
SSE	.4	.6	.2	.4	.2	.6						2.2	12.7
S	.7	.2				.2						1.1	6.7
SSW	.2	.4										.6	3.3
SW	.4	.4										.7	3.3
WSW			.4									.2	9.0
W	.2	.4	.2		.4	.2						1.3	11.1
WNW	.2	.4			.6	.4	.2					1.7	15.4
NW	2.6	4.2	3.2	2.9	.9	1.8	.2					17.9	9.9
NNW	.9	.9	3.3	3.1	2.2	3.1	.7	.7				15.1	16.2
VARBL												23.0	
CALM													
	13.3	15.5	16.2	11.4	6.1	7.4	2.9	.9	.4			100.0	5.1
	TOTAL NUMBER OF OBSERVATIONS												547

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

SURFACE WINDS

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

16601 FREDERICK BAY FRT DOT APT
STATION NAME

42-46, 48-50

YEAR

32
MONTH

4LL WEAT-FR
CLASS

0000-0700
HOURS, LST

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.9	2.7	2.5	2.7	2.1	.4		.4			15.1	13.3
NNE	.0	1.1	.6	.6	.2							3.1	7.3
NE	1.1	.6	1.0	.6								3.3	6.8
ENE		.0	.2	.2	.5			.2				1.7	14.7
E	1.0	.4	1.0	2.1	.6							5.0	6.3
ESE	.2	.3	.2	.4								1.6	6.0
SE	1.0	1.1	1.0	1.7	.2	.4						5.4	5.3
SSE	.2	1.0		.2		.2						1.3	7.1
S	.4	.6		.2								1.1	6.5
SSW	.2	.2										.4	1.5
SW	.2	.2	.4	.2		.2						1.1	11.3
WSW						.2						.2	22.0
W	1.0	.2	.4	.2								1.7	5.1
WNW	1.3	1.0	.2									2.3	3.9
NW	3.1	4.8	3.5	3.1	1.1							17.6	7.8
NNW	2.7	1.3	1.7	3.4	1.5	3.4	1.3	.2				15.7	15.2
CALM												22.7	
	14.5	16.0	14.7	15.3	6.9	6.5	1.7	.4	.4			100.0	8.1
													5.3

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 085-01 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASD-1111, P. O. 28801

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

SURFACE WINDS

106-2 FORTIS VALLEY APT
STATION NAME

42-46, 48-50

YEARS

12
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (EST)

CONDITION

SPEED KNTS (1R)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	2.3	2.6	2.0	3.7	2.0	3.1	1.2					18.3	13.2
NNE	1.0	1.0	.4	.4								3.1	6.7
NE	1.2	1.0	1.0	.4		.2						4.1	7.5
ENE		.4	.4	.2	.3							1.6	12.3
E	.2	.6	.6	1.4	.2	.4						3.3	11.5
ESE	.6	.4	.6	.2	.2							2.2	7.5
SE	1.4	1.6	1.0	.2	1.4	.6						6.1	10.0
SSE	.2	.4										.5	3.7
S	.6	.8	.2	.2								1.3	5.4
SSW	.4	.2										.4	3.7
SW			.2			.2						.4	18.0
WSW					.2							.2	17.0
W	1.1	1.2	.6		.4							3.1	6.3
WNW	1.1	1.4	.6									3.0	4.6
NW	2.4	2.6	4.7	2.6	.4	1.0						13.8	9.3
NNW	2.2	1.0	2.0	3.1	2.0	2.2	1.0					13.4	14.1
VARBL												24.4	
CALM													
	15.4	15.0	14.2	13.4	7.9	7.7	2.2					100.0	6.1
	TOTAL NUMBER OF OBSERVATIONS												508

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

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

SURFACE WINDS

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

106.3 FORT BISHOP BAY MNT HLT APT
STATION NAME

42-46, 48-50

YEAR

0600-0800
MONTH

ALL WEATHER
CLASS

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	74	MEAN WIND SPEED
N	1.5	2.5	2.0	1.2	1.5	1.5	1.5			.2		11.4	14.3
NNE	.3	.2		.5								1.0	8.3
NE	1.0	.8	.3		1.0	.5						3.7	10.9
ENE	.2	.5	.3	.7	.7							1.9	9.6
E	.8	.2	1.0	.7	.3							3.2	9.2
ESE	.7	1.2	.7	.5								3.0	6.7
SE	1.4	.5	.6	.8	.7	.5						4.7	10.5
SSE	.3	.5	.3	.3	.2	.2						1.9	9.6
S	1.2	.5	.2		.2							2.0	4.4
SSW	.3	.2	.2									.7	4.3
SW		.7										.7	4.9
WSW			.3	.2	.3	.2						1.0	14.3
W	.5	.2	.5		.2							1.3	7.4
WNW	.7	1.9	.7		.2							3.5	5.9
NW	3.5	2.7	3.0	3.0	2.4	1.7	.2	.2				17.5	11.3
NNW	1.3	2.7	2.0	2.5	2.4	1.3	.3	.2	.2			13.0	13.0
VARBL												29.1	
CAIM													
	14.0	15.2	12.5	11.4	9.3	5.9	2.0	.3	.2	.2		100.0	7.8
	TOTAL NUMBER OF OBSERVATIONS												524

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

SURFACE WINDS

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

16602 FORT SUMNER HAVEN TWT DUT APT
STATION NAME

42-40,48-50

YEARS

YEAR
MONTH

ALL WEATHER
CLASS

0700-1100
HOURS (EST)

CONDITION

SPEED KNTS DIR	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	7	MEAN WIND SPEED
N	1.2	1.0	.5	1.3	.1	2.4	1.2	.2	.5			9.1	18.1
NNE	.3	.5	.2	.2								1.2	6.7
NE	.7	.8	1.0	.5	.2	.2						3.4	8.0
ENE			.2		.2							.3	13.0
E	1.0	.3	1.0	.7		.5						3.5	9.5
ESE	.8	.5	.7	.7								2.7	7.3
SE	2.7	1.7	.8	.7	.5	.3	.3					7.1	8.5
SSE	.7	.7	.3	.3	.2	.3						3.0	10.4
S	.8	.3	.2									1.3	4.0
SSW	.2	.2	.2									.5	5.3
SW		.2	.2	.2								.5	7.3
WSW	.2					.2						.3	14.5
W	.5	.8	.3	.7								2.4	7.3
WNW	1.5	.7	.5	.7								3.4	6.0
NW	2.9	2.4	3.0	3.5	2.7	2.4	.7					17.5	12.6
NNW	1.0	1.9	1.2	4.2	3.0	3.2	.7	.2				15.3	15.6
VARBL												28.3	
CALM													
	14.5	12.0	10.3	14.2	7.6	9.4	2.9	.3	.5			100.0	8.6
	TOTAL NUMBER OF OBSERVATIONS												593

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

SURFACE WINDS

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

16604 FRENCHMAN BAY NAT DUT APT
STATION STATION NAME

42-46, 48-50

YEARS

ALL WEATHER
CONDITION

AP MONTH
1200-1400
HOURS LT

SPEED KNTS/ DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	1.0	1.5	.5	2.6	1.5	1.5	1.2	.3	.5			10.7	17.1
NNE	.5	.3	.2	.3								1.4	6.1
NE	.2	.4	.5	.5	.2							1.5	9.6
ENE	.5	.2	.2	.2	.3	.2						1.5	10.7
E	.9	.3	.9	.5		.2	.2					2.9	9.4
ESE	.3	.3	.5	.7	.3							2.4	10.4
SE	2.9	1.0	.9	2.2	1.0	.7	.2					8.9	17.3
SSE	1.5	.7	.2	.3	.2	.2	.3					3.4	6.9
S	1.5	1.2	.3									3.1	3.0
SSW	.3	.5										.9	4.2
SW	.5	.2	.3									1.4	4.4
WSW		.7	.2		.2	.2						1.2	9.7
W	.7	.2	.3	.4								2.0	6.5
WNW	.7	.5		.5	.2							1.8	7.5
NW	1.5	1.4	3.2	3.6	1.5	.7	.2					12.1	11.5
NNW	1.0	1.5	1.5	3.9	5.5	4.8	.9	.7	.2			19.9	17.5
VARBL													
CALM												24.0	
	14.5	10.7	9.7	16.4	10.9	8.3	2.9	1.0	.7			100.0	9.5
TOTAL NUMBER OF OBSERVATIONS													587

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

SURFACE WINDS

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

10002 FM-HISHER DAY HWT OUT APT
STATION NAME

42-46, 48-50

YEARS

YEAR
MONTH

1000-1700
HOURS 1ST

ALL WEATHER
CLASS

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	.7	.5	2.5	2.9	1.7	1.7	.7	.5				11.2	15.8
NNE	.5	.2	.5	.2	.2							1.5	8.0
NE	1.0	.2	1.2	.2			.2					2.7	7.6
ENE	.3	.2			.5	.8						1.9	16.8
E	.3	.3	.7	1.7	.2	.2	.2					3.6	11.9
ESE	.3			.2	.2		.3					1.9	16.3
SE	1.9	1.2	1.0	1.5	1.7	.2		.5				8.0	11.6
SSE	.5	.7	.3	.3	.2	.5						2.5	10.6
S	.7	.8	.2	.3								2.0	5.3
SSW	.5			.2		.2						.8	9.8
SW	.3		.5		.2							1.0	8.7
WSW			.5		.2							.7	11.3
W	.5	.3	.8	.5								2.2	7.5
WNW	.2	.5	1.0	.5	.2	.2						2.5	9.8
NW	2.4	1.0	5.3	3.9	1.7	.5						14.8	11.0
NNW	1.4	.8	2.9	5.4	4.4	1.5	1.4	.7				18.5	15.9
VARBL												25.0	
CALM													
	11.5	6.8	17.5	17.8	11.2	5.8	2.7	1.7				100.0	9.5
	TOTAL NUMBER OF OBSERVATIONS												589

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

SURFACE WINDS

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

16603 FROBISHER HAV LIGHT DIST APT
STATION NAME

42-46,48-50

YEARS

JAN
MONTH

1600-2000
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.3	2.5	3.9	2.3	2.5	.5	.4				14.5	14.9
NNE	.2	.7		.4								1.3	5.3
NE	1.4	1.0	1.1	1.1		.4						5.4	7.6
ENE	.4	.4		.4	.5	.4						2.0	13.1
E	.5	.9	1.1	2.0	.2		.2					4.8	10.7
ESE	.4		.2	.5								.9	10.8
SE	1.4	.9	1.3	1.6	1.1	.5	.4	.2				7.4	12.2
SSE	.5	.4		.8	.2	.4						2.0	11.1
S	.5	.7										1.3	3.9
SSW	.7	.4										1.1	3.0
SW	.2			.4								.5	10.7
WSW		.2		.2		.2						.5	12.7
W	.5	.5	.7	.5								2.3	7.0
WNW	.9	1.1	1.1	.9	.2							4.1	7.8
NW	2.7	3.1	4.5	3.1	1.0	.5						15.6	9.5
NNW	.9	1.6	3.6	3.6	1.6	2.2	.5	.4				14.4	14.3
VARBL													
CAIM												21.7	
	12.2	13.6	10.0	19.0	7.4	7.0	1.6	.9				100.0	8.9
TOTAL NUMBER OF OBSERVATIONS													557

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

SURFACE WINDS

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

16603 FRIEISHER BAY NAT OUT APT
STATION STATION NAME

42-46,48-50

YEARS

MAR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS LST

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.8	1.4	2.2	4.2	1.0	.4					14.1	13.7
NNE	.4	.6	.2	.2	.2	.6						2.6	10.2
NE	1.2	1.2	1.0	.6	.2							4.2	7.0
ENE	.0			.4	.6							1.6	11.0
E	.4	.8	.6	1.4	1.0	.2						4.2	11.8
ESE	.4	.6	.4	.2	.2							1.6	3.9
SE	1.6	.8	.6	1.2	1.8	.6						6.3	11.4
SSE	1.6	.2	.6	.2	.2	.2	.2	.2				3.4	15.2
S		.6										.6	4.7
SSW													
SW	.4	.2			.2							.8	6.5
WSW	.4		.2	.2								.4	7.3
W		1.0	.2	.4	.4							2.0	9.2
WNW	.6	1.4	1.0	.2	.2							3.4	6.5
NW	4.8	4.8	3.8	3.2	1.8	1.0	.4					21.9	8.8
NNW	1.2	1.2	2.2	3.8	1.8	1.6	.6	.4				12.9	14.9
VARBL													
CALM												19.1	
	16.1	15.3	14.3	14.3	12.7	6.2	1.6	.6				100.0	8.8
TOTAL NUMBER OF OBSERVATIONS													498

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

SURFACE WINDS

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

16603
STATION

FRUITISHER 54V WAT DET APT
STATION NAME

42-47,49-50

YEARS

1 PR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS LST

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.3	3.4	2.0	1.5	1.1	.7	.2				14.0	12.1
NNE	.7	.7	.2	.0		.2	.4					2.3	11.5
NE	.7	2.8	1.9	.7		.4	.2	.4				7.1	9.7
ENE	.0	.2	.9	.9								2.6	8.9
E	.7	.7	.9	.9	.2							3.3	8.3
ESE	.4	1.1	.9	.2		.2	.6					3.4	11.2
SE	.7	2.4	3.7	1.7		.4	.2					9.1	9.2
SSE	.4	1.1	1.3	.2	.9							4.3	8.3
S		.7	.7		.2							1.7	8.2
SSW				.2	.2							.4	17.5
SW		.4	.4	.2								.2	8.0
WSW	.2											.2	2.0
W			.2	.2		.4	.2					.9	20.6
WNW	.4	.4	.6	.7	.4	.2						2.6	11.0
NW	2.2	2.2	3.4	3.4	1.1							12.3	8.8
NNW	.4	1.3	4.3	4.9	3.4	3.0	.6	.2				18.7	14.5
VARBL													
CALM												13.1	
	10.8	15.9	23.3	17.5	7.8	5.8	2.8	.7				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

936

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

SURFACE WINDS

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

16601 FERRISHER WAY INT OUT APT
STATION STATION NAME

42-47, 49-50

YEARS

APR
MONTH

0100-0500
HOURS - L.S.T

ALL WEATHER
CLASS

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.4	2.0	3.9	2.0	1.4	1.2	.4	.2				12.0	12.3
NNE	.4	.8	.8		.4	.2	.2	.2				2.6	12.3
NE	2.9	.6	1.6	1.0	.2	.2						6.3	7.3
ENE	.2	.6	.4	.4	.2	.6						2.4	12.3
E	.6	1.0	.4	1.0	.2	.4	.2					3.9	11.6
ESE	.2	.9	.2		.2	.2						1.6	8.9
SE	1.4	1.8	2.9	1.2	.4	.2						8.4	8.8
SSE	1.0	.4	.4	.2	.6							2.6	7.9
S	.6	1.0	.4									2.4	5.5
SSW			.2									.2	7.0
SW	.2	.8		.2								1.2	6.0
WSW	.2	.2										.4	3.5
W	.4	.2	.8		.2			.2				2.2	9.5
WNW	1.0	1.2	1.0	.4	.8		.2					5.3	8.7
NW	2.9	3.3	3.7	2.9	.6	.4						13.6	8.3
NNW	1.0	1.0	2.2	4.7	5.3	1.2	.2					16.3	13.9
VARIABLE												14.1	
CALM													
	19.5	15.7	19.3	14.1	10.8	4.7	1.2	.6				100.0	8.4
	TOTAL NUMBER OF OBSERVATIONS												491

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

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

SURFACE WINDS

16602
STATION

FRIBISHER BAY NEWPORT APT
STATION NAME

42-47, 49-50

YEARS

APR
MONTH

0600-0800
HOURS LST

ALL FEATHER
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	1.1	2.3	2.6	1.3	1.8						9.5	13.5
NNE	.6	.5	1.1	.2		.2	.3					2.9	10.3
NE	.8	.6	.5	.5	.2	.2						2.6	8.1
ENE	.5			.3		.5						1.1	14.9
E	.8	.8	.6	.5	.5	.3	.2					3.7	10.7
ESE	.5	.5	.8	1.0	.5							3.2	10.1
SE	1.3	1.3	2.1	1.4	.8	.3	.5					7.7	10.6
SSE	.8	.6	.8	1.0		.6						3.9	10.7
S	1.1	.6	.6	.5	.3	.2						3.5	8.2
SSW	.5	.2	.2									.8	4.2
SW	1.1		.3	.3								1.8	5.7
WSW	.2		.2	.2								.3	7.7
W	.5	.5	.2	.2		.5						1.3	10.1
WNW	1.4	1.0	1.4	.6	.2	.5						5.2	8.8
NW	1.8	2.1	4.2	4.3	1.9	.3	.2					14.8	10.8
NNW	1.3	1.9	4.7	5.2	2.9	.8	.2					16.9	12.0
VARBL													
CALM												20.1	
	13.5	11.8	20.0	18.7	8.5	6.1	5					100.0	8.6
TOTAL NUMBER OF OBSERVATIONS													621

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

SURFACE WINDS

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

16601 FROBISHER DAY MNT DLT APT
STATION NAME

42-47, 49-50

YEARS

OR
MONTH

ALL WEATHER
CLASS

0500-1100
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.9	2.2	3.6	2.0	1.4	.3					11.0	13.1
NNE	.3	.8		.8		.2						1.9	7.8
NE	.6		.2	.2	.3	.2						1.7	10.4
ENE		.3	.2	.2	.5							1.1	11.7
E	.3	.3	.9	.2		.2						1.9	8.6
ESE	.6		1.2	1.2	.2	.2						3.4	10.5
SE		1.1	1.5	2.3	.8	.3	.6	.2	.2			7.7	14.7
SSE	.9	.5	.8	1.2	.8	.5	.3					5.0	12.5
S	2.3	1.7	1.4	.5	.2	.3						0.3	6.7
SSW	1.7	.6										2.3	3.3
SW	1.5	.2		.2								1.9	3.6
WSW	.2		.2		.2							.5	0.7
W		.3	.2	.3		.3						1.1	13.0
WNW	.9	.9	.5	1.1	.3							3.6	8.7
NW	.6	1.1	3.1	5.6	2.0	.8						15.2	11.8
NNW	.6	.5	2.8	5.4	2.6	1.7	.5					14.2	14.5
VARBI													
CALM												20.6	
	12.4	9.1	17.0	22.0	9.8	0.0	1.7	.2	.2			100.0	7.1
TOTAL NUMBER OF OBSERVATIONS													646

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

SURFACE WINDS

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

16623 FROBISHER BAY NWT DDT APT
STATION NAME

42-47,49-50

YEARS

APR
MONTH
1200-1400
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.0	1.4	1.4	3.2	1.9	2.0	.2					11.7	14.4
NNE		.2			.2							.3	10.5
NE	.6	.3	.2			.3						1.3	8.4
ENE		.5	.5	.3								1.4	6.1
E	.5	.3	.3	.5	.2							1.7	8.3
ESE	.6	.3	.8	1.1	.2	.2						3.1	9.7
SE	1.2	2.5	1.7	1.4	.6	.6	.5	.3				8.0	12.7
SSE	1.1	.5	1.1	1.7	.2	.6	.2					5.3	11.5
S	2.0	.8	1.1	1.1	.2							5.1	7.0
SSW	.0	.0	.2		.2	.2						1.0	7.1
SW	1.5	.3	.8	.5	.2	.3						3.6	7.6
WSW	.3	.5	.2									1.1	6.7
W	.2	.3	1.1		.5	.2						2.2	10.5
WNW	.5	.8	.8	1.5	.8		.2					4.3	11.1
NW	1.2	.8	0.5	5.7	2.5	1.1	.2					17.9	12.3
NNW	1.1	1.2	3.2	4.0	3.2	2.2	.3					15.3	14.2
VARBL													
CALM												15.3	
	12.4	10.5	19.8	21.6	10.5	0.2	1.4	.3				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

447

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

SURFACE WINDS

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

16645

ENGLISHMAN HAV AWT DUT APT
STATION NAME

42-47,49-50

YEARS

PER

MONTH

ALL WEATHER
CLASS

1500-1700
HOURS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	1.1	.6	2.6	1.3	1.2	1.1	.3					10.2	12.8
NNE		.2		.6	.2							.3	12.2
NE		1.2	.6	.3	.3							2.6	8.6
ENE	.2	.2	.5	.3	.2							1.9	11.7
E	.6	.6	.3	.3								1.9	6.1
ESE	.3	.2	1.2	.6	.3		.3	.2				3.0	13.7
SE	1.1	1.3	2.0	1.1	.5	.6	.3	.3				7.4	12.2
SSE	.3	.3	.8	1.7	.5	1.2						5.1	12.5
S	1.4	1.7	.8	.2	.2							4.2	8.6
SSW	.8	.2	.2			.2	.2					1.2	9.6
SW	1.1	.3	.2	.2		.3	.2					2.3	8.7
WSW	.3	.2	.2	.2	.2							1.2	6.8
W	.3	.6	1.1	.3		.3						3.6	10.0
WNW	.2	.8	1.7	1.4	.3	.2						4.3	10.7
NW	.9	2.6	3.1	3.6	4.0	.9	.2					17.6	12.0
NNW	1.2	1.9	2.8	3.7	2.9	3.4	.2					18.1	14.0
VARBI													
CALM												13.5	
	10.7	13.3	20.0	20.9	10.7	6.3	1.9	.5				100.0	10.2
TOTAL NUMBER OF OBSERVATIONS													646

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

SURFACE WINDS

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

1000 FT. PRESSURE DAY 1147 1147 APT
STATION NAME

42-4749-50

YEARS

PER MONTH

1-00-2000
HOURS 151

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	2.4	2.4	3.1	4.4	1.4	2.1						13.9	11.3
NNE	.2	.7	1.2				.2					2.0	6.0
NE	.2	1.0	1.4	1.2		.2	.2					4.7	7.3
ENE		.2	.3	.7								1.4	11.5
E	.4	.3	1.0	.3								2.3	7.3
ESE	.2	.3	.2	.9		.3						2.4	17.8
SE	1.4	3.0	2.6	1.0	.7	.3	.4	.5				7.4	6.3
SSE	.5	.3	.2	.5	.2	.7						2.4	13.1
S	1.0	1.4	.5	.3								1.3	5.3
SSW	.5	.5						.2				1.2	4.0
SW	.5	.3	.2	.3								1.4	5.6
WSW	.5		.3	.2								1.0	6.3
W	.9	.2	.7			.7						2.4	10.2
WNW	.9	.7	.3	.7	.3							3.0	6.1
NW	.9	1.2	6.3	5.2	1.9	1.2						16.6	11.6
NNW	.9	.7	4.5	4.2	2.1	2.8						15.7	13.7
CALM												14.1	
	11.7	14.1	23.0	20.0	6.6	8.4	.7	.7				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

473

SURFACE WINDS

106-3 REPRISE RAY SPT DET SPT
STATION NAME

42-47, 49-50

.. 011
MONTH

ALL WEATHER
CLASS

2100-2307

CONDITION

USAF EAF 085-001 PREVIOUS EDITIONS OF THIS PROGRAM ARE OBSOLETE

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

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

SURFACE WINDS

16653 FORTISHER BAY ART BDT APT
STATION NAME

42-50

YEARS

AV

MONTH

ALL WEATHER
CLASS

0000-0700
HOURS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	1.6	1.3	2.3	1.6	.9	.1						7.9	8.7
NNE	.1	.6	1.3	.2	.1							2.5	9.1
NE	.6	4.5	1.7	.2	.3	.3						6.4	6.1
ENE	.3	.1	1.2	1.6	.9	.1						4.3	12.3
E	.7	.5	1.1	2.1	.2	.7	.1					5.5	12.3
ESE	.3	.7	.7	1.5	.1	.1						3.3	10.4
SE	1.7	2.8	3.9	2.9	1.7	.4	.3	.1				14.2	11.0
SSE	1.4	1.5	1.3	.9	.7	.4	.1					6.2	9.9
S	.7	.1	.5	.1								1.6	5.8
SSW	.7	.4		.2								1.2	3.3
SW	.3	.5	.1	.2								1.2	6.4
WSW		.1	.1		.3							.3	12.7
W	.2	.5	.5									1.6	4.3
WNW	.4	.4	.9	.6	.8	.5	.1					4.0	12.3
NW	1.3	2.3	2.7	3.2	1.1	.7	.3					11.5	10.7
NNW	1.1	1.1	3.7	2.5	2.5	1.3						12.3	12.2
VARBL												13.7	
CALM												100.0	8.9
	11.6	15.4	22.2	19.1	9.6	4.7	1.2	.1					
	TOTAL NUMBER OF OBSERVATIONS												747

USAF ETAC FORM 10-61 (OCT 1961) PREVIOUS EDITIONS ARE OBSOLETE

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

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

SURFACE WINDS

18601 FRESHWATER BAY NAT OUT APT
STATION

47-50

YEARS

AY
MONTH

0100-0500
HOURS (EST)

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	1.9	1.0	1.9	1.0	1.0	.1						8.2	7.9
NNE	.1	.5	1.0	1.0								2.5	6.7
NE	1.0	1.4	2.7	1.1	.5	.1						5.5	8.6
ENE	.4		.5	1.2	.4	.4						3.3	13.2
E	.5	.7	1.2	2.2	.5	.4	.1	.1				8.9	12.3
ESE	.5	.8	1.6	1.1	.1	.4						4.4	10.4
SE	1.5	2.3	4.1	2.6	1.4	.8	.1	.3				13.1	11.2
SSE	1.6	.8	1.6	1.4	.4	.7	.3					6.6	10.4
S	.5	.4	.4									1.6	5.4
SSW	.1	.1	.3	.1								.7	7.2
SW	.2	.4										.7	4.2
WSW	.2	.3	.1									.5	5.0
W	.5	.3	.4	.4	.1		.1					1.9	6.2
WNW		.1	.5	.5	.8	.4						2.4	15.6
NW	1.1	1.4	1.1	3.4	2.0	1.1						12.7	11.5
NNW	1.0	1.2	3.3	3.3	1.9	1.1	.3	.1				12.1	12.0
VARBL												17.1	
ALM													
	11.2	12.4	22.9	20.4	9.0	5.6	1.0	.5				100.0	6.1
TOTAL NUMBER OF OBSERVATIONS													735

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

SURFACE WINDS

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

16607 FORTISHER FAY NPT DIST APT
STATION NAME

42-50

YEARS

DAY
MONTH

0600-0800
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.2	.9	2.1	.4	.7						5.6	10.3
NNE	.1	.3	.8	.1	.1							1.4	6.0
NE	.1	1.2	1.3	.6	.3	.3						3.7	6.3
ENE	.3	.5	.8	.4	.6							2.6	10.2
E	.9	.4	1.0	1.2	.8	.5						5.4	11.7
ESE	.6	.3	1.0	1.1	.1	.3	.3					4.0	11.3
SE	1.7	1.7	3.6	1.8	1.2	.6	.6					11.4	11.3
SSE	.0	.8	3.2	1.6	.8	.6	.4					8.0	11.6
S	1.6	.8	.8	.9	.8	.1						4.9	7.0
SSW	.4	.4	.4									1.2	5.3
SW	1.0	.4	.4									1.0	4.3
WSW	.3	.3	.4	.3								1.2	3.1
W	.6	.9	1.2	.4	.1	.1		.4				3.9	10.3
WNW	.8	.3	1.7	.6	.6	.3						4.4	10.5
NW	.3	1.7	3.5	4.9	1.4	.6	.1					12.5	11.7
NNW	1.0	.6	2.2	4.7	1.8	1.2	.4					11.9	13.8
VARBL												16.1	
CALM													
	11.4	11.5	23.1	21.6	9.0	4.9	1.9	.4				100.0	9.3
TOTAL NUMBER OF OBSERVATIONS													774

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

SURFACE WINDS

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

16603
STATION

PROBISHER HAY MEAT CUT APT
STATION NAME

42-50
YEARS

YEAR

MONTH

ALL WEATHER
CLASS

0900-1100
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	1.3	1.0	.5	.4	.3					4.0	13.4
NNE	.5	.3	.4	.5	.1							1.8	8.4
NE	.5	.6	.5	.3	.5							2.5	8.5
ENE	.4		.3	.3	.5	.1						1.5	12.8
E	.5	.1	.6	.9	.8	.5		.1				3.6	14.2
ESE	.1	.6	.1	1.3	.5	.5						3.2	13.4
SE	.6	3.2	4.4	2.5	1.3	1.2	.4	.3				13.8	11.5
SSE	.9	1.8	1.8	1.4	1.3	.9						8.1	11.3
S	1.7	2.1	2.5	1.2	.6	.4						9.4	8.7
SSW	1.2	.9	.5	.3								2.5	5.2
SW	1.3	.6	.8									2.7	4.7
WSW	.5			.1	.3							.9	8.4
W	.8	1.0	.8	.4	.1		.1	.3				3.5	10.4
WNW	.9	.6	1.0	1.4	.8	.1	.1					4.4	11.9
NW	1.0	1.0	4.0	6.3	2.7	1.2						16.3	12.8
NNW	.9	.3	3.9	4.7	2.5	1.2	.3					13.6	13.5
VARBL												8.8	
CALM													
	11.7	13.6	22.9	22.5	12.5	6.5	1.2	.6				100.0	10.8
TOTAL NUMBER OF OBSERVATIONS													774

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

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

SURFACE WINDS

16643
STATION

FRIBISHER BAY NAT OUT APT
STATION NAME

42-90

YEARS

DAY
MONTH

1200-1400
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	1.4	1.3	1.2	.6						5.7	13.5
NNE	.5		.3	.5	.3							1.5	2.6
NE	.1	.3		.1	.0	.4	.1					1.0	15.4
ENE	.3		.4	.5	.3	.3						1.7	13.8
E	.3	.4	.3	.3	.4	.4	.3					2.5	14.6
ESE		.1	.3	.6	.8	.1						1.0	15.1
SE	1.3	2.2	2.7	3.1	1.2	.9	.1	.4				11.0	11.9
SSE	1.3	1.8	2.8	3.6	1.3	.5	.3					11.9	11.1
S	1.3	2.7	2.1	2.7	.3							9.3	8.7
SSW	.5	.9	.4	.4	.1							2.3	7.2
SW	.9	1.2										2.1	3.5
WSW	.2	.4	.1	.1								.7	5.4
W	.9	1.5	1.3	.3		.3	.1					4.4	8.0
WNW	.5	1.2	1.2	.9	.5	.3	.4	.1				3.0	11.9
NW	.1	1.3	3.6	5.9	3.9	1.4	.1					16.4	13.8
NNW	.8	.3	3.0	4.6	2.6	2.2						13.4	14.1
VARBL													
CALM												7.2	
	9.5	14.5	20.0	25.9	13.5	7.4	1.4	.5				100.0	11.0
TOTAL NUMBER OF OBSERVATIONS													779

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

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

SURFACE WINDS

16601
STATION

FRIDISHER RAY MET DET APT
STATION NAME

42-50

YEARS

DAY
MONTH

1000-1700
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.0	.5	1.3	2.5	1.4	1.2	.3					7.7	14.2
NNE	.3	.1	.4	.3	.3							1.0	6.9
NE	.4	.3	.5	.3	.5	.1						2.1	10.6
ENE	.1	.3	.3	.3	.6	.1						1.7	13.5
E	.3	.3	.9	.6	.6	.3						3.0	12.3
ESE	.1	.1	.4	.5	.5	.4						2.6	16.0
SE	1.8	2.8	3.5	3.5	1.2	.0	.3					13.8	10.7
SSE	.9	1.7	2.3	3.1	.9	1.4						10.3	12.0
S	1.2	2.3	2.1	1.4	.4							7.8	7.9
SSW	.5	.8	.3	1.2	.3							3.0	9.5
SW	1.7	.9	.1	.1								2.3	3.8
WSW	.4	.8	.1	.3								1.5	5.8
W	.1	1.3	1.0	.3	.3		.1					3.1	9.4
WNW	.5	1.2	1.2	.8	.5	.3	.1					4.5	10.3
NW	.3	1.3	2.7	7.9	3.0	1.3	.3	.3				16.9	14.0
NNW	.6	.5	3.1	3.9	1.8	1.2	.5	.1				11.5	14.0
VARBL													
CALM												6.6	
	9.9	15.2	20.1	26.7	12.0	7.3	1.5	.4				100.0	11.0
TOTAL NUMBER OF OBSERVATIONS													775

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

SURFACE WINDS

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

16603 FROBISHER HAY N-T DHT APT
STATION

42-50

YEARS

DAY
MONTH

1000-2000
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS- DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.3	.3	2.2	2.4	.5	.1						7.6	11.5
NNE			.9	.5	.1	.1						1.7	11.6
NE	.3	.4	.3	.3	.3	.3		.1				1.3	13.2
ENE		.5	.8	.1	.3	.4						2.1	12.3
E	.7	.4	1.2	.9	1.0	.7	.1					5.2	13.4
ESE	.9		.7	1.3	.5	.1		.1				3.7	12.3
SE	1.2	3.7	3.7	2.8	.5	1.3	.3					13.4	10.2
SSE	1.8	1.0	2.9	1.8	1.0	.5						9.2	10.0
S	1.0	1.6	1.4	.7	.3							5.0	7.2
SSW	.4	.3		.8	.1							1.6	9.8
SW	1.4	.5	.3	.1	.1							2.5	5.1
WSW	.4	.7	.4	.3								1.7	6.7
W	.5	1.2	.8	.1		.4						3.0	6.1
WNW	.3	.7	1.0	.9	.7	.3						4.1	12.0
NW	.5	1.4	4.9	5.1	1.7	1.2						14.5	12.2
NNW	.9	.8	2.3	3.7	1.6	1.7	.8					11.9	14.4
VARBL												10.2	
CALM													
	12.1	13.4	23.9	21.8	8.8	8.4	1.2	.3				100.0	10.1
TOTAL NUMBER OF OBSERVATIONS													762

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

SURFACE WINDS

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

16603 FREDRICKS BAY MNT DLT APT
STATION

42-50

YEARS

AV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.3	2.1	2.3	1.5	.4						8.7	11.0
NNE	.4	.4	1.5	.5								2.3	8.0
NE	2.4	1.9	1.3	.7	.4			.1				5.8	7.0
ENE		.1	.7	.9	.5	.8						3.1	15.2
E	.1	.8	1.3	.7	.3	.3	.1	.1				3.7	12.0
ESE	1.1	.5	1.2	1.0	.3							4.7	9.0
SE	1.9	3.7	3.7	1.9	.6	1.7		.4				14.2	10.8
SSE	1.1	1.5	1.9	2.0	.9	.1						7.5	10.1
S	2.0	.4	.4		.1							2.9	4.7
SSW	.5	.1	.3									.9	4.6
SW	.5	.3	.1		.3							1.5	6.5
WSW	.1	.3			.1							.5	7.5
W	.4	.9	.5	.3	.1	.3						2.5	8.9
WNW	.5	.5	.9	.4	.5	.9						4.0	13.7
NW	.5	2.3	2.9	3.2	.5	1.1						10.3	11.3
NNW	.6	2.3	2.9	2.8	1.7	1.6	.4					12.6	12.7
VARBL													
CALM												13.1	
	13.5	17.4	21.9	17.0	8.1	7.2	.5	.7				100.0	9.1
TOTAL NUMBER OF OBSERVATIONS													749

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

SURFACE WINDS

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

16643
STATION

PROBISHER BAY NAT DOT APT
STATION NAME

42-50

YEARS

0000-0200
MONTH
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.4	2.9	2.0	1.2	.7						17.4	10.1
NNE	.1	.4	.4	1.3								2.4	9.9
NE	.4	1.3	.9	.8	.3							4.1	7.7
ENE	.3	.5	.5	.9	.1							2.4	10.1
E	.7	1.6	1.5	.9	.4	.1						5.5	8.5
ESE	.8	.6	.9	.9								3.5	7.5
SE	3.6	4.8	5.1	1.7	.4							15.6	6.7
SSE	1.7	1.7	1.6	.5	.4							6.0	6.7
S	1.2	1.7	.5	.3	.1							3.9	5.7
SSW	.3		.4									.9	4.9
SW	.5	.4	.1	.1								1.2	5.0
WSW	.4		.5	.3	.4							1.6	10.4
W	.1	.3	1.3	.1								1.9	7.9
WNW	.4	.8	.5	.3								2.0	7.0
NW	.5	2.4	4.5	2.1	.7	.1						10.4	9.0
NNW	2.4	1.6	3.6	2.4	1.5	.8						12.3	10.0
VARBL													
CALM												15.7	
	15.6	21.2	25.5	14.0	5.5	1.7						100.0	7.0
TOTAL NUMBER OF OBSERVATIONS													750

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

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

SURFACE WINDS

16603 FROM 1511R 40Y MAY OUT 40T
STATION NAME

42-50

YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS LST

CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.5	2.0	.0	.5						7.7	10.6
NNE	.1	.7	.4	.5	.1	.1						2.0	9.6
NE	.5	.7	1.7	.7		.3						3.0	9.4
NNE		.3	.7	.7								1.5	10.1
E		.8	1.1	.9	.4	.5						3.7	12.5
ESE	.3	.4	1.3		.3	.1						2.4	9.7
SE	2.7	5.7	5.6	1.7	.7	.3						17.2	7.7
SSE	1.9	2.4	1.6	1.3	.1							7.3	6.8
S	1.1	1.6	.9									3.6	4.6
SSW	.9	.3	.1	.1								1.3	4.3
SW	.9	.8	.4									2.1	4.6
WSW	.1	.3	.4	.3	.1	.3						1.5	11.2
W	.1	.9	.9	.3								2.3	7.5
WNW		.4	1.1	.5								2.0	8.8
NW	1.3	1.2	5.3	2.8	.4							11.1	8.9
NNW	1.0	2.3	3.5	3.0	1.5	.8						13.2	10.7
VARBL												17.1	
CALM													
	12.1	19.8	27.6	15.5	4.4	5.5						100.0	7.3
TOTAL NUMBER OF OBSERVATIONS													749

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

SURFACE WINDS

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

10603 FRANKLIN BAY WAT OUT APT
STATION NAME

42-50

YEARS

JULY
MONTH

0600-0800
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS. DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	2.0	1.3	1.1	1.2						7.3	13.4
NNE	.1		.1	.3		.1						.7	12.2
NE	.5	.9	.5	.9	.4	.4						3.1	10.1
ENE	.5		1.1	.4								1.6	8.3
E	.1	.1	1.1	1.1		.1						2.4	10.6
ESE	.4	.3	.5	.3	.1	.1	.1					1.9	11.0
SE	3.3	4.4	4.8	4.0	1.1	.1	.3					18.0	8.9
SSE	2.7	3.2	4.3	1.7	.4							12.3	7.4
S	1.9	3.1	2.1	.5								7.6	6.2
SSW	.7	1.3	.1	.1								2.3	4.9
SW	1.2	1.9	.5	.1								3.7	5.2
WSW		.7	.3	.5	.1	.1						1.7	11.8
W	.5	.8	1.5	.4								3.2	7.2
WNW	.7	.4	1.1	.7	.1							2.9	9.4
NW	.7	1.1	4.3	3.5	.8	.4	.1					10.8	11.3
NNW	1.5	.7	3.7	4.5	1.1	1.2						12.7	11.9
VARBI												7.6	
CALM													
	15.0	19.2	28.6	19.8	5.2	3.9	.5					100.0	8.7
TOTAL NUMBER OF OBSERVATIONS													749

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

SURFACE WINDS

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

16612 FORTLEONER RAY FORT LEON APT
STATION NAME

42-50

YEARS

JULY
MONTH

ALL WEATHER
CLASS

0000-1100
HOURS (EST)

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	9	MEAN WIND SPEED
N	.3	.5	1.2	1.4	.9	.3	.7					8.7	15.3
NNE	.1	.3	.5	.4		.3	.1					1.6	12.3
NE			.9	.5	.7							2.1	13.4
ENE	.3			.4								.4	8.0
E	.1	.1	1.2	.9	.3	.1	.1					2.6	12.6
ESE	.3	.7	.5	.3	.1							1.0	7.7
SE	2.0	3.5	4.8	4.4	.7	.4	.1	.1				16.0	9.7
SSE	2.7	0.4	5.2	3.1	.4	.3						18.0	7.8
S	1.2	2.8	4.5	1.3	.4	.1						10.4	7.9
SSW	.7	.9	.8	.5								2.0	6.5
SW	.7	1.2	1.7									3.6	6.0
WSW	.3		1.2	.5	.1	.3	.1					2.5	12.1
W	.7	.4	1.2	1.8								3.7	8.7
WNW	.5	.4	.9	1.2								3.1	9.7
NW	.4	.7	3.9	3.1	.9	.1						9.1	11.4
NNW	.0	1.2	2.5	2.9	3.1	1.9	.3					13.7	14.1
VARBL												3.2	
CALM													
	10.9	19.1	31.2	22.1	7.6	4.3	1.5	.1				100.0	9.9
TOTAL NUMBER OF OBSERVATIONS													750

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

SURFACE WINDS

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

16633 FROBISHER DAY MET DET APT
STATION NAME

47-50

YEARS

QUARTER
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS LST

CONDITION

SPEED KNTS: DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N		.3	.9	1.1	1.1	1.1	.1					4.3	16.6
NNE		.1	.3			.1						.3	11.3
NE	.1	.7	.7	.5	.1	.1						2.1	9.3
ENE		.4	.1		.3	.1						.9	11.9
E		.4		.5	.1	.4						1.7	14.4
ESE	.3	.1	.4	.4	.1		.1					1.3	12.4
SE	2.1	4.5	7.7	4.3	.9	.5	.4	.1				20.9	9.7
SSE	.9	6.1	5.2	3.1	.4	.3						16.0	8.3
S	1.1	2.9	3.6	1.7	.3							9.7	8.0
SSW		2.0	.9	.1								3.1	4.3
SW	.1	1.7	2.5	.5								4.9	7.6
WSW	.1	.4	1.0	.3								2.4	8.3
W		.5	.8	.5	.3							2.1	10.2
WNW	1.1	.3	2.1	1.5	.5							5.5	9.5
NW	.5	.7	2.9	2.7	1.6	.4						8.8	12.0
NNW	.6	.9	2.3	4.0	2.3	2.1	.3	.1				12.5	14.7
VARBL												2.5	
SLW													
	7.1	22.1	32.1	21.5	6.0	5.5	.9	.3				100.0	16.1
TOTAL NUMBER OF OBSERVATIONS													730

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

SURFACE WINDS

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

16603 FORTBISHER BAY FWT DUT APT
STATION STATION NAME

42-50

YEARS

MONTH

ALL WEATHER
CLASS

1500-1700
HOURS

CONDITION

SPEED KNTS DIR	1 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	1.9	2.0	1.1	1.1	.3					4.8	14.8
NNE	.1		.3									.4	7.3
NE	.1	.3	.5	.9	.1							2.0	10.5
ENE		.1	.5	.3								.9	10.4
E		.1	.5	.7	.4	.3	.3					2.3	16.1
ESE	.1	.4	.3		.3							1.1	8.8
SE	1.5	5.9	9.1	4.3	.8	.7	.1	.1				23.4	9.3
SSE	1.9	5.9	3.3	3.1	.3	.9						14.7	7.6
S	1.3	3.2	4.4	1.5	.4							10.6	7.4
SSW	.3		.7	.1	.1	.1						1.3	9.6
SW	1.2	.7	.8	.3								2.0	6.0
WSW	.3	.4	.5	.3								1.5	6.8
W	.4	.3	1.2	.9	.3	.3						3.3	11.2
WNW	.7	.3	1.9	1.3	.3	.3						4.7	10.7
NW	.9	.3	3.5	3.7	.9	.4						9.7	11.4
NNW	.8	.3	2.1	3.6	3.1	1.7	.3					11.9	15.7
VARBL												3.2	
CALM													
	9.6	16.4	31.5	23.1	8.0	5.1	.9	.1				100.0	10.0
TOTAL NUMBER OF OBSERVATIONS													749

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

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

SURFACE WINDS

18643
STATION

FRUSTRATED WAY WYT BUT APT
STATION NAME

42-30

YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	2.0	2.3	.4	.6	.1					6.7	12.3
NNE	.1		.3	.1	.1	.1						.8	12.3
NE	.1	.5	1.2	.9	.1							2.9	7.4
ENE	.3		.7	.4	.1							1.3	10.1
E	.4	.3	.7	.9	.4	.1						2.7	11.5
ESE	.1	.3	.9	.3	.1							1.7	8.6
SE	4.0	8.8	7.5	3.7	.9							24.0	7.4
SSE	1.5	2.1	3.2	1.6	.3							9.6	7.5
S	1.2	2.3	2.1	.7	.5	.1						6.9	7.9
SSW	.9	.4	.3	.4	.3							2.3	6.2
SW	.4	.3	.5	.1	.1							1.5	7.7
WSW	.1	.3	.3	.4								1.1	8.5
W	.1	.4	.9	.7		.3						2.4	10.7
WNW	.5	.9	1.1	.3	.3							3.1	7.8
NW	.5	1.3	5.3	3.3	1.3	.3						12.1	10.8
NNW	.5	.4	3.6	4.5	2.4	7.3						13.7	14.1
VARBL												6.3	
CALM													
	10.9	20.1	30.5	20.5	7.5	4.0	.1					100.0	9.1
TOTAL NUMBER OF OBSERVATIONS													750

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

SURFACE WINDS

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

16603
STATION

FRUITSPER DAY NWT DUT APT
STATION NAME

42-50

YEARS

MONTH

ALL WEATHER
CLASS

2100-2300
HOURS, LST

CONDITION

SPEED KNTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.2	4.3	1.9	.4	.7	.1					0.9	9.8
NNE	.3	.1	.3	.1	.1		.1					1.1	10.4
NE	.3	.3	1.1	1.1	.4							3.3	8.3
ENE		.4	.8	.9	.3							2.4	11.2
E	.3	.7	1.9	.4	.3							3.3	8.7
ESE	.4	.3	1.5	.8	.9							3.6	7.7
SE	3.6	6.0	5.7	2.1	.9							18.4	7.3
SSE	1.1	2.0	2.1	1.6	.3							7.1	8.1
S	.3	1.1	.8	.5	.1	.1						2.6	7.5
SSW	.7	.3	.1	.1	.1							1.3	6.3
SW	1.1	.7	.6	.3								2.6	5.9
WSW	.1	.1	.4	.5								1.2	9.7
W	.1	.1	.4	.3								.9	8.7
WNW	.7	.5	.9	.3								2.4	6.5
NW	1.2	1.6	5.2	2.4	.7	.3						11.3	9.2
NNW	1.1	1.5	4.4	4.4	.9	.9						13.2	11.2
VRBL CALM												13.9	
	13.5	17.4	30.7	17.8	4.5	2.0	.3					100.0	7.6
TOTAL NUMBER OF OBSERVATIONS													749

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

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

SURFACE WINDS

16609
STATION

PROBISHER DAY NAT OUT APT
STATION NAME

42-50

YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (EST)

CONDITION

SPEED KNTS. DIR	1-3	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	.9	1.7	3.1	.6	.1						8.0	10.1
NNE	.4	.8	.3	.6	.1							2.2	8.6
NE	.3	.5	.5	.1								1.7	6.2
ENE	.3	.4	.4	.3								1.3	7.0
E	.3	.4	2.2	.5								3.4	8.3
ESE	.5	.4	.8	.4								2.1	7.3
SE	1.2	2.6	3.1	1.4	.9	.6						9.8	9.5
SSE	1.3	3.0	3.1	1.8	.6							9.8	8.3
S	1.3	1.7	1.9	.1	.3							5.3	6.4
SSW	.6	.4	.5	.3	.4		.1					2.3	10.0
SW	1.4	.8	.3									2.3	3.7
WSW	.2											.9	2.6
W	.6	.6	.3									1.5	4.3
WNW	.9	.5	.4	.1								1.9	3.2
NW	3.6	1.7	1.2	1.7	.8	.4	.1					8.8	8.5
NNW	3.4	1.9	3.5	3.1	1.4	.3						13.5	8.9
VARBL													
CALM												25.0	
	17.4	16.9	20.0	13.5	5.3	1.4	.3					100.0	6.2
TOTAL NUMBER OF OBSERVATIONS													775

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

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

SURFACE WINDS

16603
STATION

FARMISHER BAY MILITARY APT
STATION NAME

47-50

YEARS

JUL
MONTH

0300-0500
HOURS - LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	Σ	MEAN WIND SPEED
N	1.0	.0	1.2	2.3	.5	.4						6.1	10.3
NNE	.4	.9	.0	.5								2.3	7.7
NE	.5	.4	.1	.5								1.5	7.2
ENE	.1	.1	.3	.3								.8	8.3
E	.1	.4	.8	.9								1.5	7.9
ESE	.3	.9	1.0	.1								2.3	7.0
SE	1.7	3.2	3.1	1.4	.3	.8						10.5	8.5
SSE	1.7	3.2	2.1	1.8	.6	.4						9.8	8.2
S	1.7	2.2	1.2	.8	.5	.5	.1					6.5	8.1
SSW	1.3	.1	.5	.4	.3							2.6	7.2
SW	1.4	.4	.1									1.9	3.3
WSW	.4	.3	.1	.1	.1							1.0	8.0
W	.6	1.0	.6	.1								2.3	5.3
WNW	1.0	.9	.6	.1								2.7	5.4
NW	2.5	1.4	2.3	2.3	1.0	.3						9.8	9.0
NNW	3.0	1.7	4.6	2.3	1.8	.3		.1				13.8	9.5
VARBL												24.3	
CALM													
	17.7	17.8	19.4	13.4	4.6	2.6	.1	.1				100.0	6.3
TOTAL NUMBER OF OBSERVATIONS													775

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

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

SURFACE WINDS

16603
STATION

FRIBISHER BAY AWT DUT APT
STATION NAME

42-50

YEARS

JUL
MONTH

0600-0800
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.4	.0	.8	1.3	.8							3.9	11.5
NNE		.1	.5	.3	.3							1.2	11.1
NE	.1	.1	.1	.3								.6	8.8
NNE	.4	.1	.4	.3		.1						1.3	8.9
E	.1		.4	.1	.1							.8	11.3
ESE	.3	.3	.6	.1	.3	.1						1.7	10.3
SE	3.0	3.5	3.7	2.1	.5	1.0	.1					13.9	8.7
SSE	3.2	3.3	4.8	1.9	.5	.3						14.0	7.7
S	2.4	5.3	2.5	.9	.6	.1						12.3	6.6
SSW	.5	1.2	.8	.4	.3	.3						3.4	8.7
SW	1.5	1.9	.3	.4	.3	.3						3.9	4.8
WSW	.5	1.0	.1	.4	.1	.1						2.7	6.8
W	.4	.6	.3									1.7	4.3
WNW	.3	.6	1.3	.9								3.5	8.0
NW	1.2	1.2	2.2	3.1	.9	1.0	.1					9.7	11.6
NNW	1.0	1.3	3.1	3.4	2.1	.9	.4					12.9	12.3
VARBL												10.6	
CALM													
	17.4	24.4	21.8	19.7	6.3	4.0	.6					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

775

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

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

SURFACE WINDS

16613
STATION

FRIBISHER DAY FLYT OUT APT
STATION NAME

42-30

YEARS

JUL
MONTH

0900-1100
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.5	.6	1.0	.4	.3					3.4	14.7
NNE	.1		.4	.4	.1							1.0	10.8
NE		.3	.3	.4								.9	8.7
ENE			.3									.3	0.5
E		.1	.3		.4							.4	12.7
ESE		.3	.5	.6	.4							1.9	12.3
SE	1.8	3.2	4.5	2.6	.9	.5	.1					13.7	7.3
SSE	2.1	6.4	5.6	3.5	1.4	.6	.1					21.8	8.8
S	.6	4.4	5.8	1.6	.1	.3	.3					13.1	8.3
SSW	.6	1.6	1.9	.4	.1							4.7	7.2
SW	.8	3.0	1.3	.1								4.2	5.7
WSW	.8	2.1	1.0	.3								4.4	6.1
W	.3	.3	1.2	.3	.1	.1						2.2	6.6
WNW	1.4	.5	.9	.4		.1						3.4	7.0
NW	.6	1.2	1.6	1.7	1.3	.5	.4					7.3	12.8
NNW	1.7	1.6	2.5	3.5	1.2	1.4	.8					12.6	13.1
VARBL												3.5	
CALM													
	11.1	27.1	28.5	16.7	7.1	4.0	1.9					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

772

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

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

SURFACE WINDS

16602 FREDERICK DAY MNT DDT APT
STATION NAME

42-50

YEARS

JUL
MONTH

1200-1400
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N		.4	.3	.0	.3	.4	.3					2.6	16.2
NNE	.1	.3	.3	.3	.4	.1						1.4	12.1
NE	.1	.1	.6	.4	.3	.1						1.4	11.3
ENE		.1	.4		.3							.8	11.3
E	.2	.3	.5		.4	.3						1.7	11.6
ESE	.1	.3	.5	.4								1.3	8.6
SE	1.2	3.6	6.7	1.8	.9	1.2						15.4	9.7
SSE	1.6	7.9	6.3	3.9	1.8	.9						27.4	9.2
S	.6	3.9	3.0	3.0	.1	.1						11.7	8.7
SSW	.4	1.0	2.3	.8	.1	.3						4.9	8.7
SW	.2	3.2	2.6	.4								6.7	6.8
WSW	.3	.3	1.7	.5								3.2	8.2
W	.1	.1	.9	.5	.3	.1						2.1	11.1
WNW	1.7	.3	1.0	.9	.6	.3						4.3	9.4
NW	.6	.3	1.3	1.9	.9	1.0	.1					6.5	13.4
NNW	.2	.6	1.6	2.8	1.7	1.4	.4					9.0	14.3
VARBL												2.1	
CALM													
	4.7	23.1	32.8	18.2	8.3	6.2	.8					100.0	9.9
TOTAL NUMBER OF OBSERVATIONS													774

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

SURFACE WINDS

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

16603 STATION FORTBISHER RAY NEW OUT APT
STATION NAME

42-50

YEARS

MONTH

ALL CLASSES

1300-1700
HOURS LST

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.4	.1	1.3	.9		.1				4.0	16.7
NNE		.5	.1	.1	.1	.1						1.0	10.1
NE			.3	.1	.1							.5	13.3
ENE	.1	.3	.4	.4	.4							1.5	11.7
E	.3	.3	.4		.4							1.2	6.6
ESE		.1	1.4	.4		.1						2.1	9.6
SE	2.3	4.0	0.2	3.0	.6	1.2	.1					17.4	9.7
SSE	1.7	0.7	7.1	3.5	.8	.6	.1					20.5	6.6
S	2.6	3.7	4.3	1.8	.8	.3						13.7	7.5
SSW	.9	1.0	1.2	.1	.1	.4	.1					3.0	9.0
SW	.4	2.5	1.9	.9								5.9	7.0
WSW	1.3	.9	.5	.9	.3							3.6	7.4
W	.3	.3	1.0	1.4								3.0	10.1
WNW	1.2		.4	.5	.4							2.6	9.0
NW	.7		.8	3.4	2.2	1.0						9.0	14.6
NNW	.6	.6	.5	2.7	1.3	.9	.5					7.2	14.9
VARBL													
CALM												3.5	
	12.9	21.3	20.8	20.1	8.8	5.5	.9	.1				100.0	7.0
TOTAL NUMBER OF OBSERVATIONS													775

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

SURFACE WINDS

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

16603 FREDERICK HAY FWT DUT APT
STATION NAME

62-80

YEARS

JUL
MONTH

1000-2000
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.4		.8	.8	.5	.3	.3					3.4	15.1
NNE	.1	.6	.6	.3								1.7	7.7
NE	.1	.3	.1	.1		.1						.8	9.7
ENE		.1	.3	.4	.4							1.2	13.4
E	.3		.1	.3	.1	.1						.2	11.4
ESE	.5	.6	.8	.3	.3							2.5	7.1
SE	1.0	4.3	6.5	2.1	.8	.3	.1					13.7	8.5
SSE	1.0	3.7	6.0	3.5	1.2	.9	.1					19.7	9.3
S	2.7	3.0	1.8	1.2	.8							9.4	7.2
SSW	1.8	.8	.5	.4	.1							3.6	5.5
SW	.0	1.3	.9									3.4	5.3
WSW	.4	.4	.9	.5								2.2	8.5
W	.3	.3	.5	.1	.1							1.5	7.1
WNW	.3	.3	.6	.9	.3							2.6	8.6
NW	.3	1.0	2.6	4.1	1.4	.5						10.3	12.0
NNW	.6	1.0	1.4	3.0	2.6	.5	.1					9.3	13.5
VARBL													
CALM												11.0	
	12.9	20.1	25.0	17.9	8.8	2.7	.0					100.0	8.4
TOTAL NUMBER OF OBSERVATIONS													775

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

SURFACE WINDS

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

16603 FORT BRISBAY WAT. OUT APT
STATION NAME

42-50

YEARS

MONTH

ALL WEATHER
CLASS

2100-2300
HOURS EST

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.4	2.7	1.4	.1	.1						7.2	8.3
NNE	.1	.3	.5	.3		.1						1.3	2.9
NE	.6	.9	.1	.3	.3	.1						2.3	7.8
ENE		.3		.4	.3							1.2	17.4
E	.1	.4	.5	.4								1.4	8.6
ESE	.6	.3	.8	.5	.4							2.5	6.2
SE	2.8	3.2	2.5	2.2	.3	.5						11.5	7.0
SSE	2.5	4.1	3.1	2.1	1.2	.4						13.2	8.5
S	2.1	2.8	3.1	1.0	.5	.1						9.7	7.5
SSW	1.0	.6	.3	.1	.1							2.2	5.5
SW	.5	.6	.1	.1								1.2	4.4
WSW	.4	.6	.4	.1	.1							1.7	6.6
W	.5	.4	.3	.1								1.5	4.8
WNW	.0	.6	.1	.5	.1							1.8	6.4
NW	1.4	2.7	3.4	3.1	.5							11.1	8.6
NNW	1.4	1.7	3.0	3.4	1.0	.1						10.6	10.7
CALM												19.1	
ALL	16.6	20.9	20.8	16.0	4.9	1.5						100.0	6.7
TOTAL NUMBER OF OBSERVATIONS													775

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

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

SURFACE WINDS

100-3 STATION NAME

42-50

YEARS

MONTH

ALL WEATHER
CLASS

0000-0700
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	2.3	1.3	2.2	1.2	.1		.1					7.2	7.3
NNE	.8	.5	.3									1.0	4.5
NE	1.4	.6	.8	.1								2.1	5.0
ENE	.3	.1	.6	.1								1.2	7.7
E	.3	.3	.5	.3								1.4	7.7
ESE	.3	.3	.9	.9	.3							2.5	10.1
SE	1.6	2.3	2.7	1.3	.6	.3						8.8	8.3
SSE	1.0	2.2	4.3	1.7	.6	.8	.4					11.0	10.4
S	.6	3.3	1.6	.3	.3							6.0	7.2
SSW	.3	.6	.6	.3	.1	.1						2.3	8.6
SW	.9	.4	.3	.3	.1	.1						2.2	6.5
WSW	.1	.3	.1	.3	.3							1.0	11.0
W	1.2	.6	1.0									2.5	5.5
WNW	1.3	1.3	1.4	.6	.1		.3					5.3	5.1
NW	2.3	4.1	3.9	2.7	1.0	.1						14.2	5.6
NNW	2.2	2.1	3.5	2.6	.5							10.9	2.7
ALL												17.6	
TOTAL	16.9	21.2	24.5	13.5	4.1	1.4	.6					100.0	6.7
TOTAL NUMBER OF OBSERVATIONS													773

USAF ETAC 085 011 SPEEDS AND DIRECTION DATA ARE OBSERVED

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

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

SURFACE WINDS

16603 FROBISHER BAY NWT DUT APT
STATION NAME

42-50

YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS U.S.T.

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	9	MEAN WIND SPEED
N	1.3	1.4	2.1	.5								5.5	6.4
NNE	.6	.3	.1									1.0	3.9
NE	.8	.4	.5	.3		.1						2.1	7.2
ENE	.4	.6	.5	.1		.1						1.8	7.2
E	.6	.3	.5	.3	.1							1.8	6.9
ESE		.3	.4	.5	.1	.4						1.7	13.2
SE	1.2	1.4	2.5	2.1	.5							7.6	9.1
SE	.9	2.2	3.1	1.2	.8	.6	.1					9.5	10.1
S	1.7	1.2	1.5	1.2	.1	.4						6.1	8.3
SSW	.9	.6	.1	.1								1.8	4.7
SW	.4	1.3	.9	.3	.1							3.0	6.9
WSW	.6	.1	.1	.3	.1							1.3	6.9
W	.4	.8	.5									1.7	6.0
WNW	.9	1.2	.9	.5	.3		.1	.3				4.3	9.9
NW	2.5	3.4	3.2	3.5	1.4	.3						16.3	8.6
NNW	2.8	3.5	4.4	1.9	.8	.1						13.5	7.7
VARBI													
CALM												21.0	
	16.0	20.9	21.4	13.7	4.4	2.1	.3	.3				100.0	6.6
	TOTAL NUMBER OF OBSERVATIONS												775

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

SURFACE WINDS

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

16603
STATION

FORBISHER BAY INT DLT APT
STATION NAME

42-50
YEARS

YEAR

42-50
MONTH

0600-0200
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.0	.8	1.2	1.4	.5	.1						4.3	9.4
NNE	.3	.3	.1	.4								1.0	7.1
NE	.1	1.4	.9	.3								2.7	7.1
ENE	.1		.6	.1	.1		.1					1.2	12.4
E	.3	.5	.3	.3	.4							1.7	7.5
ESE	.3	.5	.3	.6	.3	.4						2.3	12.3
SE	1.4	1.9	2.3	1.3	.5	.3						7.7	8.6
SSE	3.0	2.3	3.1	2.1	1.2	.3	.3					12.6	3.0
S	2.2	3.7	2.8	1.0	.3	.4						10.5	7.1
SSW	.4	1.5	1.4	.8								4.0	7.1
SW	.6	1.3	.6	.4	.3							3.4	3.0
WSW	1.2	.8	.3									2.2	4.1
W	.3	.6	.3	.1								1.3	5.8
WNW	.9	1.7	1.0	1.2	.1	.3	.1	.1				5.4	9.7
NW	.8	2.1	5.5	5.3	1.8	.4						14.1	11.1
NNW	1.7	2.6	2.3	2.6	.5	.3	.1					10.1	8.9
VARBL												12.3	
CALM													
	14.2	22.6	23.2	17.9	6.2	2.3	.6	.1				100.0	7.8
TOTAL NUMBER OF OBSERVATIONS													775

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

SURFACE WINDS

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

16504 FROBISHER BAY MNT DUT APT
STATION NAME

42-50

YEARS

210
MONTH

ALL FEATHER
CLASS

000-1100
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.3	.4	.0	1.4	.9	.5	.1					4.3	14.3
NNE		.1		.1	.1							.4	12.0
NE	.1	.3	.3	.1	.3							1.0	10.4
ENE	.3	.4	.1	.3		.4						1.4	11.7
E	.1	.1		.4	.1							.8	10.5
ESE	.3	.1	.0	.5	1.2	.4						3.2	14.0
SE	2.2	2.7	2.3	2.5	1.0	.3						11.0	8.7
SSE	.9	3.5	3.5	3.0	.0	.4		.1				14.1	8.3
S	1.9	4.3	5.7	2.2	1.0	.1						13.5	6.1
SSW	.0	1.4	1.4	.5	.1							4.3	7.1
SW	.6	2.6	1.7	.6	.1							5.8	6.9
WSW	.4	1.2	1.7	.1	.4		.1					3.9	8.5
W	.4	.5	1.9									2.8	7.2
WNW	.6	.5	1.3	1.8	.4	.4						5.2	11.6
NW	.2	.8	3.4	4.4	1.9	.0	.1					11.7	12.9
NNW	1.0	1.5	3.4	3.9	1.2	.3	.1					11.4	11.0
VARBL													
CALM												3.1	
	10.8	20.6	30.1	21.6	9.4	3.3	.5	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

774

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

SURFACE WINDS

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

16603
STATION

FROBISHER HAV NAT OCT APT
STATION NAME

42-50
YEARS

ALL WEATHER
CLASS

1200-1400
HOURS EST

CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.3	.4	1.3	1.3	1.7	.6	.1					5.9	14.0
NNE			.3	.3								.3	12.0
NE	.3	.1	.4	.1								.6	7.6
ENE	.4	.4	.5									1.3	5.7
E		.1	.3	.1	.3	.4						1.2	15.7
ESE	.1	.3	.6	.9	.6	.4	.1					3.2	14.2
SE	.0	2.6	2.7	1.9	.8							8.9	8.9
SSE	1.0	4.5	5.3	3.9	1.3							16.3	9.4
S	1.8	5.2	7.7	2.6	.8	.1	.3					18.5	8.6
SSW	.1	1.3	1.3	.3	.3							3.7	8.0
SW	.5	2.3	2.3	1.2	.1	.1						5.7	8.2
WSW	.1	1.0	1.3	.5	.4							3.4	6.3
W	.1	.9	1.5	.9	.3							3.7	6.2
WNW	.4	.9	.6	2.1	.6	.3						4.9	11.4
NW	.1	.8	2.7	3.9	1.9	.8	.3					10.3	10.5
NNW	.1	1.2	2.2	1.6	.9	1.0	.3					8.0	14.2
VARBL													
CALM												2.5	
	6.3	22.2	31.6	21.9	10.2	3.7	1.3					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

773

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

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

SURFACE WINDS

16613
STATION

FRIDISHER BAY NWT INT APT
STATION NAME

42-50

YEARS

1960
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (EST)

CONDITION

SPEED KNTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	9	MEAN WIND SPEED
N	.1	.9	.5	1.3	.9	.5	.5					4.5	14.1
NNE				.1								.1	15.0
NE	.4	.1	.1	.1	.1							.4	8.2
ENE	.1		.3									.4	7.3
E	.1	.1	.3		.4	.4						1.3	14.8
ESE	.1	.3	.6	.5	.3	.1						1.7	11.7
SE	.9	4.3	3.5	2.3	.4	.4						11.7	8.5
SSE	1.5	3.9	7.9	3.5	1.0	.3						19.2	9.2
S	2.5	3.7	6.1	1.9	.5	.5						15.2	8.2
SSW	1.2	1.3	1.4	.3		.3	.1					4.5	7.8
SW	.5	3.4	2.5	.5								7.1	6.5
WSW	.1	.4	1.2	.8	.4							7.8	10.2
W	.4	.4	.9	.5	.1	.1						7.5	9.3
WNW	.6	.8	1.4	1.4	.5	.1						4.7	10.1
NW	.4	1.2	2.2	4.6	3.1	.9	.3	.1				12.8	14.1
NNW	.5	.4	1.7	1.9	1.4	1.8	.6					8.4	15.5
VARBL												2.5	
CALM													
	9.1	21.0	30.5	20.0	9.2	5.4	1.3	.1				100.0	10.0
TOTAL NUMBER OF OBSERVATIONS													775

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

SURFACE WINDS

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

16603 FREESTER HAY FORT BUT APT
STATION

42-50

YEARS

MONTH

ALL WEATHER
CLASS

1600-2000
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.8	.9	.9	.4						3.4	11.7
NNE	.1	.5	.8	.3	.1							1.3	9.2
NE	.5	.4	.1	.0								1.8	7.9
ENE	.1	.4	.3	.1	.3							1.2	9.4
E	.5	.4	.3	.4	.5							2.1	9.8
ESE	1.5	.4	.4	.4	.1							2.6	6.1
SE	1.8	4.1	2.7	3.0	.4	.3						11.2	8.4
SSE	1.5	4.8	6.7	3.1	.4		.4					16.6	8.8
S	1.5	3.4	3.7	1.0	.4	.5						10.6	7.7
SSW	1.4	.3	.8			.1	.3					2.8	7.6
SW	.9	1.5	.4	.1								3.0	4.3
WSW	.1	.3	.6	1.2								2.2	10.7
W	.4	.8	.5	.5								2.2	7.2
WNW	.9	.4	1.2	1.2	.4							4.0	9.6
NW	1.2	1.3	4.4	3.5	1.5	.5						12.4	11.0
NNW	.5	1.8	2.1	2.5	2.5	1.2	.1					10.8	12.9
VARBL												11.9	
CALM													
	13.3	20.1	25.2	18.6	7.0	4.0	.8					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

775

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

SURFACE WINDS

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

16600
STATION

FREEDMAN RAY INT DIT ANT
STATION NAME

42-50
YEARS

ALL WEATHER
CLASS

ALL
MONTH
2100-2300
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	.9	1.9		.4						5.0	10.0
NNE	.4	.5	.3	.5								1.7	7.2
NE	.5	.4	.1	.8	.1							2.2	7.7
ENE	1.0	.1	.3	.1	.1							1.7	5.9
E	.3	.6	.6	.6								2.2	6.5
ESE	.2	1.0	1.7	.3	.3	.1						3.6	6.6
SE	1.4	1.9	2.1	1.7	.1	.5						7.8	8.7
SSE	1.0	3.2	5.2	1.7	.9			.4				13.7	9.7
S	1.4	2.3	1.9	1.0	.5	.3						7.6	8.0
SSW	.3	.8	.6	.5								2.6	6.8
SW	.6	.8	.3	.1	.3							2.2	6.5
WSW	.4	.1	.5	.4	.1							1.6	6.4
W		.4	.8	.1								1.3	6.1
WNW	.6	.8	1.0	.6	.1		.1					3.1	6.0
NW	2.7	4.0	4.3	2.6	.4							14.0	7.4
NNW	2.1	2.6	3.8	3.0	1.6							12.9	9.5
VARBL												17.3	
CALM													
	15.5	20.7	24.3	15.8	4.5	1.3	.1	.4				100.0	6.9
	TOTAL NUMBER OF OBSERVATIONS												773

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

SURFACE WINDS

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

16603 FREDRISHER BAY INT. OUT. APT
STATION NAME

42-44

YEARS

SEP
MONTH

0000-0200
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.6	2.9	2.2	.1	.3	.3	.1				10.4	9.3
NNE	.7	.3	.7	.4								2.1	7.1
NE	.7	1.3	1.1	.1	.4							3.6	7.4
ENE	.0	.4	.1	.1	.3							1.5	7.6
E		1.0	1.7	1.0	.1							3.3	9.6
ESE	.3	.8	.3	.1								1.5	6.2
SE	1.6	1.9	2.9	2.3	.4	.1						9.2	3.9
SSE	1.8	1.0	2.6	2.2	1.1	.7	.3					9.7	11.2
S	1.3	1.0	1.5	1.0	.3	.3						5.3	8.7
SSW	.3	.1	.3									.7	6.0
SW	.3	.8	1.1	.1	.1							2.5	7.0
WSW	.1		.3	.7	.1							1.3	11.6
W	.0	.8	1.1	.7	.3							3.8	8.1
WNW	.0	.7	1.9	1.3	1.0	.1						5.3	10.2
NNW	1.1	3.2	2.4	2.1	.8	1.0	.1					10.7	10.3
NNW	.7	1.9	3.6	2.4	1.8	1.0	.4	.1				12.0	12.4
VARBL												16.1	
CALM													
	12.4	18.1	24.6	17.0	7.0	3.5	1.1	.3				100.0	8.2
TOTAL NUMBER OF OBSERVATIONS													719

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

SURFACE WINDS

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

16613
STATION

FREEMAN HAY MNT DUT APT
STATION NAME

42-49

YEARS

SFP
MONTH

7300-0500
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.2	3.3	1.7	.6		.1	.1				11.1	2.5
NNE	.0	.8	.8	.3								2.3	6.4
NE	1.0	1.3	.7	.6	.3							1.8	7.3
ENE	.0		.3	.1	.1							1.1	7.9
E	.0	1.3	1.8	.7	.1							4.3	4.0
ESE	.8	.7	.3	.4								2.2	5.7
SE	1.0	2.6	2.3	2.6	.8							9.3	9.1
SSE	1.1	1.9	1.7	2.1	.4	.4						7.6	9.8
S	1.0	1.4	1.4	.7	.3	.6						3.3	9.1
SSW	.7	.1	.3		.1							1.3	6.6
SW	.4	.6	.4	.1	.1							1.7	6.8
WSW			.3	.1						.3		.7	26.6
W	.4	.7	1.3	.7								3.2	8.3
WNW	.1	.4	1.3	.7	1.0	.4						3.9	13.0
NW	1.0	2.6	4.3	2.2	.6	.7	.4	.1				12.1	10.7
NNW	.0	1.4	4.0	6.2	1.3	.8	.6	.4				13.3	13.1
VARBL												15.7	
CALM													
	11.4	19.1	25.0	17.4	6.0	2.9	1.1	.7		.3		100.0	2.3
TOTAL NUMBER OF OBSERVATIONS													719

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

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

SURFACE WINDS

16603 FROMISER HAY FWT FWT APT
STATION STATION NAME

42-49

YEARS

SEP
MONTH

0600-0800
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	2.4	2.1	.1	.3		.3				6.9	11.0
NNE	1.2	.4	.4		.1							2.6	5.1
NE	.4	.8	.6	1.0	.6							3.3	6.8
ENE	.4	.3	.4	.1								1.2	6.0
E	.4	1.4	1.2	1.0	.1							4.2	8.6
ESE	1.1	.7	.8	.1								2.8	5.9
SE	1.1	1.9	3.2	1.5	.8							8.5	9.1
SSE	1.4	1.8	3.5	1.7	.7	.6	.1					9.7	9.7
S	1.3	1.2	.8	1.0	.6	.4						5.4	9.1
SSW	1.1	.7	.3	.1								2.2	8.0
SW	.8	.3	.3	.6								1.7	7.1
WSW	.4	.4		.4								1.1	7.9
W	.4	1.2	.6	.8	.3	.1						3.3	9.5
WNW	.7	1.1	1.5	.6	.7	.4						5.3	10.3
NW	.8	1.8	4.4	2.9	1.5	1.0						12.5	11.1
NNW	1.4	1.2	4.7	3.9	2.6	.6	.8	.3				15.6	13.1
VARBL												13.4	
CALM													
	13.9	10.4	25.1	18.1	8.2	3.3	1.0	.6				100.0	8.6
	TOTAL NUMBER OF OBSERVATIONS												72.1

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

SURFACE WINDS

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

16633
STATION

FRIDISLER RAY RPT DIST APT
STATION NAME

42-49

YEARS

SEP
MONTH

0000-1100
HOURS (EST)

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	9	MEAN WIND SPEED
N	.1	.6	1.1	2.4	.7	1.0	.4	.1				6.4	15.1
NNE		.1	.4	.1	.1							.3	10.2
NE		.8	.4	.4								1.7	7.6
ENE		.1	.3	.1								.4	5.0
E		.3	.8	.3	.1							1.0	9.5
ESE	.3	.4	1.1	.4	.3							2.6	9.3
SE	1.2	1.8	5.6	1.7	.8							11.4	8.7
SSE	1.8	2.6	4.3	2.1	2.4	.8	.3					14.0	11.1
S	1.0	2.8	1.1	1.7	.4	.7	.1					7.7	9.9
SSW	1.0	.5	.6	.1								2.5	5.3
SW	2.2	1.4	1.0	.6	.1							5.3	5.7
WSW		1.5	.7	.1		.3						2.8	8.3
W	.4	.6	1.4	1.1	.3							4.0	10.4
WNW	.1		2.8	1.2	.4	1.2						5.4	12.6
NW	.3	1.0	3.6	4.3	1.4	.8	.1					11.5	12.5
NNW	.4	1.5	4.4	4.0	3.3	1.7	.8	.4				16.7	14.5
VARBL													
CALM												4.2	
	9.2	16.4	29.6	20.2	10.7	6.5	2.1	.6				100.0	10.7
TOTAL NUMBER OF OBSERVATIONS													720

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

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

SURFACE WINDS

166 1 FREDERICKSBURG BAY INT OUT APT
STATION NAME

47-49

YEARS

SEP
MONTH

1200-1400
HOURS LST

ALL WEATHER
CLASS

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	.4	.0	1.2	1.0	.8	1.4	.4	.1				6.7	16.7
NNE	.4	.1	.3	.4	.1	.1						1.4	11.8
NNE		.3	.4	.0	.1							1.4	11.3
NNE	.1		.4		.1							.7	9.7
E		.8	.6	.1	.3	.1						1.9	9.4
E		.3	.4	1.1	.1	.1						2.1	12.4
E	.8	2.1	2.5	3.1	1.0	.6						10.0	10.5
E	2.4	3.6	2.5	4.0	1.4	.8	.4					15.1	10.5
E	.7	3.3	1.5	2.5	1.1	.1						9.3	6.4
W	.4	1.8	.7			.1						3.1	6.1
W	.7	2.2	1.9	.0	.3		.1					5.8	7.9
W	.6	1.0	.6	.3	.3							2.9	7.5
W	.1	.5	.6	1.9	1.0	.1						4.4	12.4
SW	.1	.6	1.5	2.1	.8	1.0						6.1	13.9
SW	.1	1.1	3.3	5.4	1.1	1.4						12.5	13.2
SW	.7	1.1	2.2	4.0	1.5	2.4	.7	.3				12.7	15.5
SW												3.3	
TOTAL	7.0	19.7	21.0	27.9	10.1	8.3	1.7	.4				100.0	11.4
TOTAL NUMBER OF OBSERVATIONS													720

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

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

SURFACE WINDS

16603 PROBISHER BAY SWT DUT APT
STATION NAME

42-49

YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS 157

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	17	MEAN WIND SPEED
N		1.2	1.1	2.2	.6	1.4		.4				7.2	15.5
NNE	.1	.1	.6	.3	.1							1.2	10.7
NE		.4	.6	.4		.1						1.5	9.9
ENE		.1	.3									.4	7.0
E		1.2	.7	.5	.1							2.4	7.8
ESE	.1	.8	.6	.6		.4						2.4	9.0
SE	1.6	1.9	3.6	2.4	.8	.3						10.8	9.5
SSE	1.9	3.9	2.2	4.3	1.7	.1	.3					14.0	10.2
S	.6	2.1	3.1	2.9	.6	.3						9.7	10.0
SSW	1.0	.6	1.0	.6								3.1	6.7
SW	.7	1.2	.8	.6		.1						3.5	7.1
WSW	.1	.6	.6		.3	.4						1.9	12.1
W	.1	.4	.8	1.2								2.6	10.3
WNW	.3	.1	1.4	2.9	.8	.7						6.2	13.6
NW	.3	.7	6.1	5.8	1.4	1.4	.1					15.5	12.6
NNW	.3	.8	3.1	3.6	1.9	1.8	.6	.3				12.4	15.7
VARBL												4.7	
CALM													
	7.6	16.0	26.4	28.1	8.6	6.9	1.0	.7				100.0	11.0
	TOTAL NUMBER OF OBSERVATIONS												720

SURFACE WINDS

166-10879-10000
FBI'S 1987 PAY - T 011 APT
STATION NAME

42-4

21 1/2
MONTH

ALL AFTER

1. 60-2000

CONCLUSION

[illegible]

USAF ETAC FORM 08-5 OLE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

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

SURFACE WINDS

16603 FAIRBURNER HAY NAT DUT APT

42-49

ALL WEATHER
CLASS

JEP
MONTH
2100-2300
HOURS EST

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-20	21-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	1.0	2.2	2.5	1.3	.4	.4	.6	.1				9.0	10.5
NNE	1.0	1.1	.4	.1								2.6	5.1
NE	.8	1.7	.6	.3	.3							3.6	6.7
ENE		.7	.7	.4								1.4	7.7
E	.6	.4	2.4	.6								3.5	7.8
ESE	.4	.4	.6	.4	.1							1.0	8.3
SE	.4	1.3	3.1	2.2	.6	.6						8.3	10.8
SSE	.6	.7	2.4	3.0	.8	.6						8.9	11.6
S	1.8	.4	1.2	1.1	1.0	.1						5.7	9.7
SSW	.8	.3	.1	.6		.1						1.9	8.3
SW	.3	.6	.6	.4	.1							1.9	8.1
WSW	.4		.8	.7	.1	.1						2.2	10.5
W	.3	1.0	.7	1.1	.4							3.5	10.4
WNW	.3	.8	1.0	1.0	.8	.6						4.4	11.9
NW	1.4	2.9	4.2	1.7	1.7	.8	.1					12.8	10.5
NNW	1.2	2.9	2.2	3.2	1.2	1.1	.3	.1				12.4	11.9
VARBL													
CALM												13.0	
	11.3	17.6	23.3	19.2	7.6	4.4	.9	.3				100.0	8.7
TOTAL NUMBER OF OBSERVATIONS													720

USAF ETAC FORM 11-74 085 OF 11 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

SURFACE WINDS

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

166.1 FRANKISHER BAY NAT BRT APT
STATION NAME

62-49

YEARS

CT
MONTH

0000-0200
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS. DIR	1 3	4 6	7-10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	2.2	2.7	1.0	.3	.4					10.3	12.1
NNE	.8	.6	.9	.7	.3	.1	.1					1.4	9.7
NE	.5	2.0	1.3	1.2	.7	.3						6.1	7.4
ENE		.3	1.1	.3	.1		.1		.3			2.2	14.1
E	.3	1.3	4.5	1.9	.3	.5	.1	.1	.1			9.4	11.5
ESE	.5	.4	1.2	1.4	.4	.4	.4					4.6	13.1
SE		2.0	4.3	1.0	1.3	1.3						10.7	11.3
SSE	.4	.7	1.2	1.2	.8	.7						5.0	13.0
S	.7	.8	.8	.2	.4							3.0	6.2
SSW		.8	.3		.1	.1						1.4	9.3
SW	.1	.1	.7	.3	.1							2.0	10.7
WSW	.4	.1		.1	.1	.1						.9	9.9
W	.5	.4	.6	.3	.4	.4						3.8	10.7
WNW	.5	.9	1.5	1.1	.3	.1	.1					6.6	9.9
NW	1.0	4.4	4.2	2.6	1.3	.8	.1					13.2	10.1
NNW	.8	1.8	4.7	3.9	1.3	.5	.1					13.2	11.3
VARBL												1.7	
CALM												1.7	
	8.4	17.1	29.7	20.6	9.7	6.6	1.0	.1	.4			100.0	10.4
TOTAL NUMBER OF OBSERVATIONS													741

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

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

SURFACE WINDS

16601 FROM BIRLAH RAY NAT OUT APT
STATION NAME

62-45

YEARS

CT
MONTH

0300-0500
HOURS - LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	1.3	1.3	2.7	2.2	1.9	1.7	.1					11.5	17.6
NNE	.0	.0	1.7	1.1	.1							4.7	8.1
NE	.9	.0	2.0	1.5	.1	.1						5.5	8.9
ENE		.0	.3	.1								1.2	5.8
E	.4	1.5	3.0	3.2	.4	.5	.3	.1	.3	.1		10.3	12.6
ESE		.4	.7	1.1	.4	.0	.3					3.2	16.7
SE	.5	1.3	3.0	3.5	1.6	1.7	.3					12.8	13.1
SSE	.3	.4		2.2	.3	.1	.1					3.4	13.0
S	.4	.4	.5	.1	.5	.1	.3					2.4	12.9
SSW	.1	.1	.3	.1	.3							.9	10.6
SW	.1	.4	1.2	.1	.1							2.0	8.8
WSW		.4	.4	.1	.1	.1	.1					1.3	12.4
W	.5	.9	1.1	.4	.4	.1						3.2	9.5
WNW	.4	.3	1.1	.5	.3	.4						3.4	10.8
NW	1.7	3.0	3.5	2.8	.8	1.3	.5	.1				13.5	11.2
NNW	.7	1.1	4.3	3.0	1.6	.9	.1					12.0	12.0
VARBL												8.2	
CALM													
	8.3	14.5	26.5	22.0	9.1	8.2	2.4	.3	.3	.1		100.0	10.8
TOTAL NUMBER OF OBSERVATIONS													744

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

SURFACE WINDS

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

16603 FROBISHER RAY WGT DUT APT
STATION STATION NAME

42-49

YEARS

CT
MONTH

ALL WEATHER
CLASS

06:00-0000
HOURS LST

CONDITION

SPEED KNTS- DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	2.0	3.4	1.2	1.6	.4					10.9	13.1
NNE	.4	1.1	1.3	.4	.1							3.5	4.0
NIE	.7	1.2	1.6	1.2	.1							4.4	8.2
ENE	.3	.8	1.0	.3	.3							1.5	7.9
E	.4	1.5	3.4	1.9	.5	.5		.3	.3	.3		9.4	12.6
ESE		1.2	.4	1.6	.7	.8	.3	.1				5.1	14.4
SE	.4	1.2	3.2	3.0	1.7	1.2	.1					11.4	12.3
SSE	.1	.7	.5	1.5	.3	.3						3.4	11.2
S	.4	.8	1.3	.3	.4	.1	.1					3.8	10.2
SSW		.3	.3	.4		.1	.1					1.2	13.4
SW	.4	.3	.3	.3								2.0	7.9
WSW	.1		.3	.1	.5	.5						1.6	16.5
W	.3	.4	.7	.3	.4							2.3	8.8
WNW	.3		1.0	1.2			.1					3.2	10.4
NW	1.5	2.0	3.1	4.4	.3	.3	.3	.3				12.4	11.2
NNW	.4	1.5	4.2	3.2	2.0	1.7	.1					13.6	12.4
VARBI												7.5	
CALM													
	4.3	14.4	26.4	24.4	8.0	7.3	1.9	.7	.3	.3		100.0	10.9
	TOTAL NUMBER OF OBSERVATIONS												743

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

SURFACE WINDS

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

16601 FROBISHER BAY MNT OUT APT
STATION NAME

42-49

YEARS

100
MONTH
0000-1100
HOURS - 51

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	9	MEAN WIND SPEED
N	.5	.9	2.2	2.0	2.0	1.1						9.5	13.2
NNE	.4	.5		.7	.1							1.8	6.9
NE	.4	.5	1.2	1.1		.1						3.4	9.0
ENE	.5	.5	1.1	.3		.3						3.0	10.0
E	.7	1.2	2.0	.9	.1	.3	.1	.3	.1			5.3	11.6
ESE	.4	.8	2.4	1.4	.5	.9		.1				6.8	12.2
SE	.5	1.5	3.7	3.1	2.3	1.5	.1	.3				13.0	13.5
SSE	.5	.4	.8	.9	.7	.9	.3					4.3	14.9
S	.4	.8	1.2	.9	.3	.3						4.2	10.7
SSW	.3	.1	.4	.1								.9	7.7
SW	.7	.4	.7	.7	.1		.1					2.7	8.8
WSW	.4	.3	.5	.9	.1	.3						2.4	11.4
W	.1	.7	.7	.7	.4	.1						2.7	11.1
WNW	.7	1.1	1.0	1.4	.8							5.6	10.7
NW	1.4	1.9	4.2	2.8	.8	.9	.1					12.2	16.7
NNW	.4	2.5	3.7	4.5	3.1	1.5	.1					15.6	13.1
VARBL												6.5	
CALM													
	7.7	14.1	20.4	23.4	11.5	6.3	.9	.7	.1			100.0	11.1
	TOTAL NUMBER OF OBSERVATIONS												738

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

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

SURFACE WINDS

16613 FREDRICKS RAY NAT OUT APT
STATION NAME

42-40

YEARS

CT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.5	.3	2.0	2.0	1.0	1.3						4.6	14.2
NNE	.4	.4	.6	.5	.3							2.4	9.1
NE	.4	.9	1.5	1.3								4.7	8.2
ENE	.3	.9	1.1	.5	.1							3.0	5.0
E	.7	.4	2.0	.6	.4	.4		.1				4.9	11.0
ESE	.5	.8	1.1	1.1	.1	1.3						5.1	12.0
SE	.5	1.5	3.0	3.6	1.6	1.0	.1					14.2	12.2
SSE		.7	1.1	1.1	1.1	.5	.1					4.0	14.1
S	.1	.9	.9	1.2	.4	.3	.3					4.2	12.5
SSW	.1	.8	.5	.9		.1						2.6	5.7
SW	.3	.5	.8	.1		.1						1.0	7.7
WSW	.3	.1	.7	.6	.1	.3	.1					2.4	12.8
W	.5	.7	.9	1.1	.5	.3						4.0	11.3
WNW	.7	.3	.8	1.5	.7	.5	.1					4.6	12.5
NW	1.2	1.5	2.4	3.1	2.2	.8	.3					11.5	12.4
NNW	.9	1.3	4.6	4.0	2.7	1.3	.3	.3				16.3	13.3
VARBL													
CALM												9.0	
	8.1	12.1	26.3	25.5	11.9	9.3	1.3	.4				100.0	11.5
TOTAL NUMBER OF OBSERVATIONS													741

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

SURFACE WINDS

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

10603
STATION

FRIBISHER BAY TWT DDT 4PT
STATION NAME

42-49

YEARS

CT
MONTH

1500-1700
HOURS : : 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	1.6	2.2	2.5	2.6	1.1	.9					11.2	14.0
NNE	.4	.5	.5	.7								2.4	8.6
NE	.8	1.1	2.6	1.1	.4	.1						6.1	8.8
ENE	.1	.7	1.4	.8								3.0	8.9
E	.1	.9	3.1	2.4	.3		.3					7.2	10.4
ESE		.8	2.0	.7	.4	.3	.5	.1				4.9	13.1
SE	1.5	1.8	4.6	2.8	1.5	1.1	.3					13.5	11.1
SSE	.7	.5	1.1	1.1	.7	.3	.1					4.5	11.5
S	.3	.5	.7	.4	.4	.8		.1				3.2	14.3
SSW	.7	.3	.5	.1								1.6	6.6
SW	.3	.9	1.4	.5								3.1	7.4
WSW	.1	.1	.2	.3		.1						.9	10.0
W	.3	.3	.4	1.2	.5	.1						2.8	12.7
WNW	.1	.9	1.1	1.5	.9	.1						4.7	11.7
NW	1.1	1.6	3.5	2.7	.9	.8	.3					11.0	11.2
NNW	.7	1.4	4.1	4.3	2.7	1.2	.3	.1				14.9	13.2
VARBL													
CALM												4.9	
	7.0	14.1	29.4	24.0	11.4	6.1	2.3	.4				100.0	11.0
TOTAL NUMBER OF OBSERVATIONS													739

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

SURFACE WINDS

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

16601
STATION

FRIDISHER BAY NAVY DUT APT
STATION NAME

42-49

YEARS

CT
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.5	2.0	2.6	1.8	.8	.7					10.7	12.6
NNE	.3	.7	.1	.3	.1							1.3	6.5
NE	.8	1.2	3.0	1.4	.3	.3						4.9	9.4
ENE	.3	.9	1.5	.4	.1		.3					3.5	10.0
E	.7	1.6	3.5	.9	.7	.7	.1					8.3	10.2
ESE	.3	.4	.9	.8	.9	1.2		.1				4.7	15.7
SE	.9	1.1	3.5	3.7	1.6	.8						11.6	11.8
SSE	1.1	.9	1.1	1.5	.4	1.1						6.1	11.6
S	.1	.3	.5	.3		.4	.1					1.5	14.2
SSW			.7	.5	.1							1.4	12.3
SW	.3	1.6	.5	.3	.1							3.1	7.7
WSW	.4		.1	.1		.1						.7	9.2
W	.1	.4	.7	1.1	.1	.5						3.0	12.7
WNW	.3	.7	.8	1.4	.7	.3						4.3	12.3
NW	.8	1.9	4.3	2.0	1.1	1.4						11.5	11.1
NNW	.3	2.6	3.8	4.2	2.4	.8						14.1	11.9
VARBL													
CAIM												6.6	
	8.1	15.8	27.2	21.7	10.8	8.4	1.2	.1				100.0	10.7
TOTAL NUMBER OF OBSERVATIONS													739

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

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

SURFACE WINDS

16603 FROBISHER BAY WNT OUT APT
STATION

STATION NAME

42-49

YEARS

CT
MONTH

2100-2300
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	2.0	1.0	1.8	1.9						10.3	12.4
NNE	.1	.9	.7	.5		.1						2.4	8.6
NE	.9	1.8	1.9	.9	.7	.5						6.5	9.5
ENE	.3	1.4	.9	.9	.1	.5	.3					4.5	11.5
E	.3	1.6	2.7	.8	.1	.4						5.0	9.3
ESE	.3	1.5	.5	.9	1.1	1.1	.1					5.5	13.9
SE	1.1	2.2	3.2	1.6	1.4	1.9	.4					11.3	12.2
SSE		.5	1.2	.4	1.1	.5						3.8	13.2
S	.3	.5	1.1	.3	.4	.3						2.2	10.9
SSW	.3	.5	.9									1.8	6.7
SW	.4	.7	1.1	.4								2.8	7.1
WSW			.3	.3			.4					.9	19.4
W	.3	.3	.9	.5	.7	.4	.3					3.4	13.9
WNW	.4	.1	1.6	.5	.7	.3						3.8	11.7
NW	.9	2.7	4.5	3.0	1.5	.7		.1				13.4	10.5
NNW	1.2	2.4	3.9	3.5	2.2	.8						14.1	10.8
VARBL												6.1	
CALM													
	8.1	18.8	27.6	16.6	11.6	7.5	1.5	.1				100.0	10.6
TOTAL NUMBER OF OBSERVATIONS													739

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

SURFACE WINDS

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

16603
STATION

FROBISHER BAY POST UNIT APT
STATION NAME

47-49

YEARS

MONTH

ALL WEATHER
CLASS

0000-0200
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	2.5	3.1	1.7	1.7	.5	.3				13.2	13.6
NNE	.3		.3	.3	.3	.3	.2					1.7	14.6
NE	.4	1.4	1.1	.3	.2	.2	.2					6.1	8.4
ENE			1.2	.3	.3	.5	.2	.3				3.2	16.7
E	.4	.3	2.6	3.1	1.4	.6	.3					8.6	13.6
ESE	.5	.3	2.1	2.6	1.2	.3						7.0	12.6
SE	.9	.8	2.6	2.5	2.3	.6						9.6	12.2
SSE	.6	.3	1.7	.9	.9	.6						5.1	12.7
S		.3	.2	.2	.5	.8						1.8	17.0
SSW	.2	.6	.2	.3		.6						1.8	12.4
SW		.5	.6			.2	.3					1.5	13.1
WSW	.5		.2	.2								.5	6.0
W	.5	.6	.2		.2	.3						1.7	9.4
WNW	.6	.2	1.1	.6	.3	.6	.6					4.0	14.7
NW	1.7	2.5	1.8	2.8	1.2	.5	.2					10.7	10.0
NNW	1.4	2.1	2.1	3.2	3.1	1.7	.5	.3				14.4	14.2
VARBL												8.7	
CALM													
	9.5	12.3	22.4	20.7	13.5	9.3	2.8	.9				100.0	11.6
TOTAL NUMBER OF OBSERVATIONS													654

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

SURFACE WINDS

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

16601
STATION

FOURTH-FLY HAY FLY FLY APT
STATION NAME

42-40

YEARS

MONTH

ALL WEATHER
CLASS

0500-0500
HOURS LST

CONDITION

SPEED KNTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	9	MEAN WIND SPEED
N	.8	1.6	1.7	2.5	1.9	1.1	.5					9.2	13.2
NNE	.6	.6	1.1	.6		.3						7.4	9.2
NE	.9	.8	.6	.3	.2	.5	.2					7.4	9.9
ENE	.5	.3	1.9	.9	.3	.2	.2	.3				4.3	12.2
E	.5	.5	1.1	3.3	.6	.6	.5	.3				7.4	14.0
ESE	.4	.5	2.5	2.9	.8	.5	.2					7.5	13.6
SE	1.6	.9	2.3	2.5	1.2	.9	.6	.2				13.2	12.9
SSE	.6	.9	1.2	1.9	1.4	.3	.3					6.7	12.6
S	.3	.3	.3	.6	.3	.8	.3					2.6	13.7
SSW		.5	.2	.2		.3						1.1	13.1
SW	.6	.3				.2	.2					1.4	9.9
WSW	.2		.3	.2	.3	.2						1.1	14.4
W	.3		.2	.6								1.1	6.7
WNW	.5	.2	.9	.5		.2	.3					2.5	11.6
NW	2.6	3.3	3.4	3.1	.6	.6	.2					14.2	8.1
NNW	1.1	1.4	2.6	3.4	3.9	1.9	.6					14.9	14.2
VARBL													
CALM												9.1	
	11.0	12.1	20.3	23.4	11.6	6.4	3.7	.8				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

645

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

SURFACE WINDS

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

16602 FREDRICK HAY NORT LIT APT
STATION STATION NAME

42-43

YEARS

TV
MONTH

0600-0800
HOURS, LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.5	2.0	2.6	1.1	.3	.2					9.6	10.9
NNE	1.1	.5	.6	.5	.2	.3						3.4	3.7
NE	.2	1.8	.6	.5	.2	.2						3.2	5.0
ENE	.6	.9	2.3	.9	.2	.2	.3	.2				5.5	10.8
E	.2	.2	3.2	2.1	1.2	1.1	.9					8.3	13.8
ESE	.5	.9	3.2	2.3	1.4	.5	.3	.3	.2			9.8	13.3
SE	1.4	1.4	3.1	3.2	.9	.5	.3					10.7	11.1
SSE	.6	.6	1.1	1.7	1.1	.6	.5	.3				6.6	14.6
S	.3	.6	.3	.8	1.1	.3						3.1	12.2
SSW	.3		.2	.3	.3		.2					1.2	14.4
SW	.3		.5	.3	.5	.2						1.7	12.3
WSW		.2		.3	.2							.6	11.3
W	.2	.2	.5	.2	.2	.3						1.4	12.4
WNW	.3	.5	1.1	.2	.2		.2					2.3	9.2
NW	1.2	2.1	2.5	3.4	.9	.8	.5					11.3	11.4
NNW	.6	2.0	2.8	3.2	3.1	2.6	.6					14.9	14.4
VARBL													
CALM												6.4	
	9.5	13.6	23.9	22.4	12.3	7.3	3.2	.8	.2			100.0	11.4
TOTAL NUMBER OF OBSERVATIONS													553

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

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

SURFACE WINDS

16607

ERLISHED MAY 22 1967
STATION NAME

42-49

YEARS

10
MONTH

0000-1100
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	.4	1.2	1.2	2.3	.9	.8	.3					7.6	12.7
NNE	.4	.5	.3	.3	.3	.2						2.4	5.4
NE	.8	1.3	1.1	1.5	.3	.3						5.5	9.4
ENE	.3	.2	1.3	1.2	.5	.3	.3					4.4	13.2
E	.4	1.4	2.7	2.7	.3	.3		.2				8.1	11.5
ESE	.8	1.1	1.7	2.6	1.4	1.3	.2	.2	.2			9.3	14.3
SE	.3	1.1	2.1	5.2	1.2	.5		.2				10.7	12.4
SSE	.3	.5	1.3	1.4	.6	1.2	.0	.2				6.7	15.0
S	.6	.7		.6	.6	.6						2.3	14.2
SSW		.2	.8	.2		.3						1.6	13.0
SW	.3	.2	.3	.6	.3							1.7	10.0
WSW			.2	.3	.2							.4	14.0
W		.3	.6	.2	.5							1.7	11.3
WNW	.6	.8	.6	.3								2.6	6.3
NW	1.7	2.7	4.4	2.7	.9	2.0	.2					14.7	11.2
NNW	1.6	1.2	2.3	2.7	2.0	2.0	.3					17.5	17.3
VARBI													
CALM												7.2	
	9.8	13.3	21.5	25.0	10.4	10.1	2.0	.6	.2			100.0	11.3
TOTAL NUMBER OF OBSERVATIONS													623

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

SURFACE WINDS

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

106.3 REGISTERED DAY 17 OCT 67
STATION NAME

42-41

YEARS

ALL WEATHER
CLASS

WIND
MONTH

1200-1400
HOURS LST

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	.6	2.7	1.7	1.2						8.7	13.0
NNE	1.4	.3	1.1	.3		.3						3.4	7.0
NE	.2	2.3	.9	1.2	.2	.3						5.1	6.4
ENE	.8	.9	.3	1.6	.2	.3						4.0	6.3
E	.2	.9	2.0	2.1	1.3	.5						7.2	12.6
ESE	.6	.2	1.2	2.0	1.4	1.8	.3					8.3	15.8
SE	1.2	1.5	2.6	4.3	1.2	.8	.2	.2				11.0	13.1
SSE		.8	.6	1.6	1.1	.6	.6					5.5	15.8
S	.3	.5	.3	.6	.3	.5	.2					2.6	13.2
SSW	.2	.3	.2	.6		.5						1.7	13.4
SW		.2	.6	.6								1.5	11.2
WSW		.3		.3								.3	10.8
W	.7	1.1	.5	.3	.2	.2						2.3	8.7
WNW	.6	.5	1.2	.5	.2	.2						2.9	8.2
NW	1.4	2.9	3.0	3.4	1.5	.9	.3					13.4	16.9
NNW	1.4	2.9	2.9	2.9	1.7	1.7	.9					14.3	12.9
VARBL												5.5	
CALM													
	9.6	17.1	18.6	25.9	10.8	9.5	2.9	.2				100.0	11.5
	TOTAL NUMBER OF OBSERVATIONS												636

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

SURFACE WINDS

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

16603 FORT BRISNER RAY TWT DUT APT
STATION NAME

42-42

YEARS

MONTH

ALL WEATHER
CLASS

1900-1700
HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-23	22-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	1.5	1.2	2.7	2.5	1.7	.2						11.0	11.5
NNE	.8	.8	.9	.9	.2	.2						3.3	8.7
NE	1.5	1.2	1.7	.3		.2	.3					5.2	9.1
ENE	.2	.6	1.2	1.2		.2	.2					3.3	11.0
E		1.2	2.1	4.0	1.2	.2	.3					9.7	13.4
ESE	.3	.3	2.0	2.0	2.1	1.7	.5		.2	.3		8.4	17.5
SE	.3	1.8	1.8	2.7	1.4	1.1		.5				7.4	13.8
SSE	.4	.5	1.5	1.4	1.1	1.4						5.5	14.3
S	.5	1.1	.5	.6	.2	.3	.3	.2				7.5	12.3
SSW			.2	.3								.6	11.5
SW	.2	.2	1.2	.3								2.3	9.1
WSW		.2	.2									.3	7.5
W	.5	.8	.5	.2								2.0	5.6
WNW	.2	.5	.5	.5	.3	.2						2.1	10.7
NW	1.7	1.5	3.3	3.0	1.4	.8	.6					12.3	11.6
NNW	2.7	2.0	2.0	1.0	2.4	1.4	.3	.3				12.4	12.1
VARBL													
CAIM												7.2	
	10.5	13.9	22.2	22.7	10.7	7.0	2.6	.9	.2	.3		100.0	11.4
TOTAL NUMBER OF OBSERVATIONS													637

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28811

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

SURFACE WINDS

16651 FORT LISTER DAY INT DUT APT
STATION NAME

62-49

YEARS

17V
MONTH

ALL WEATHER
CLASS

1-00-2000
NO. OF YRS

DIRECTION

SPEED KNT DIR	1-3	4-6	7-10	11-15	16-20	21-27	28-33	34-40	41-47	48-55	≥ 56	9	MEAN WIND SPEED
N	1.7	2.1	1.7	3.1	2.7	1.6	.3	.5				13.9	13.8
NNE	1.5	1.2	1.2	.3	.2							4.4	6.3
NE	1.1	1.4	2.4	.3	.3			.2				5.6	4.4
ENE	.6	.8	.6	1.2	.9	.3	.2	.2				4.8	12.8
E	.3	1.4	2.0	1.1	.8	1.1	.2					6.7	12.5
ESE	.6	.6	2.7	2.3	.8	.6	.3		.2			7.5	13.6
SE	.3	.6	1.3	4.3	1.4	1.1	.3	.2				10.0	14.4
SSE	.3	.5	1.1	1.7	1.4	.9	.3					7.0	15.3
S	.2		.9	.9	.6	.9	.2					3.7	15.9
SSW		.3	.2	.2								.4	9.3
SW	.4		.3	.3								.3	9.4
WSW			.5	.3								.7	11.0
W		.3	.3	.2								.4	3.4
WNW	.2	.6	.6	.6	.6	.5						2.5	13.5
NW	1.0	2.4	2.3	2.1	.6	.5	.2					9.9	9.2
NNW	1.1	1.0	2.0	3.0	1.7	.9	.3	.2				11.6	12.5
VARBL												8.3	
CALM													
	10.2	14.0	20.5	21.9	11.9	0.0	2.6	1.1	.2			100.0	11.4
	TOTAL NUMBER OF OBSERVATIONS												627

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

SURFACE WINDS

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

16603A
STATION

EMERSON DAY INT DIT APT
STATION NAME

42-49

YEARS

11TH
MONTH

2100-2300
HOURS, LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.2	1.2	2.0	2.1	1.7	.0	.2	.2			11.6	14.9
NNE	.5	.5	.5	.6	.2	.2	.2	.2				2.6	12.4
NE	.5	1.5	2.4	1.7	.2	.3						6.6	8.5
ENE	.3		.9	.6	.6		.3	.2				2.9	14.9
E		.8	2.4	2.7	.5	.3	.2					5.7	12.2
ESE	.2	1.2	1.7	3.0	1.4	.6	.2					8.7	12.6
SE	.9	1.4	1.7	2.3	1.2	1.1	.3					8.8	12.6
SSE	.2	.6	.9	1.3	1.4	1.5						6.4	14.9
S		.8	.9	.2	.3	.6						2.7	12.7
SSW		.2	.3		.3	.3						1.1	14.7
SW	.3	.3	.6	.5			.2					1.3	9.3
WSW		.2	.3	.2		.2						.8	12.0
W	.3	.8	.6	.2								1.8	6.8
WNW		.9	.6	1.1	.2	.5	.2					3.4	12.0
NW	1.3	2.6	3.4	2.1	.8	.6						11.0	9.3
NNW	1.8	2.7	2.7	3.8	.6	1.5	.8					14.0	11.0
CALM												9.5	
	8.4	19.5	21.2	23.0	9.6	7.3	2.9	.5	.2			100.0	11.1
TOTAL NUMBER OF OBSERVATIONS													636

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

SURFACE WINDS

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

16603
STATION

FRONTISIER DAY MNT DUT APT
STATION NAME

42-43

YEARS

1FC
MONTH

0000-0200
HOURS (EST)

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	9	MEAN WIND SPEED
N	2.3	3.4	1.7	1.4	1.7	3.4	2.2		.7			17.6	13.1
NNE	.3	.3	1.5	.7			.3	.5	.2			4.1	13.2
NE	.7	1.7	2.7	1.0	.3	.2		.2				6.3	9.6
ENE		.3	1.2	.3	.2							2.3	10.2
E	.4	.8	1.9	1.7	.8	.3	.3					6.8	11.9
ESE	.8	.3	.2		.3	.2						1.0	8.2
SE	.8	1.2	.5	.7	.3	.3	.2					4.1	10.3
SSE	.3	.2	.7	.2	.2	.2						1.7	9.9
S	.3		.5	.2								1.0	3.3
SSW	.3	.2	.2									.7	4.3
SW	.7	.2	.2									1.0	3.7
WSW	.3				.2							.7	6.3
W	.3	.3	.3	.3								1.5	7.7
WNW	1.2	.5	.7	.2	.7							3.2	5.1
NW	4.6	2.5	3.6	2.2	1.5	2.0	.3					16.6	10.2
NNW	1.7	3.2	1.9	3.0	3.2	1.4	.5	.3	.2			17.4	13.0
VARBL												14.9	
CALM													
	16.0	15.2	17.6	12.5	9.5	0.0	3.9	1.0	.8			100.0	10.0
	TOTAL NUMBER OF OBSERVATIONS												591

SURFACE WINDS

166.2 REGISTER MAY INT DUT APT
STATION NAME

42-49

YEARS

2FC
MONTH

ALL FEATURES
CLASS

0300-0500
HOURS EST

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	9.0	3.6	1.4	2.0	2.1	2.5	.5		.7			12.6	12.4
NNE	1.2	.4	2.5	.5				.5	.4			3.5	11.4
NE	.7	2.9	2.1	1.2	.2			.5				7.3	10.0
ENE	.2	.4	.5	.7	.4	.2						2.3	12.2
E	1.2	.7	.9	1.6	.5	.2	.2	.2				3.5	11.5
ESE		.4	.4	.4	.4		.2					1.6	14.0
SE	1.1	1.2	.2	.2	.4	.4	.2					3.6	9.3
SSE	.4	.4	.7	.7								2.1	8.9
S	.2	.4	.4	.5								1.6	8.1
SSW	.7											.7	10.0
SW	.5	.2	.5									1.7	5.4
WSW													
W	.4	.5	.2	.4	.2							1.4	5.6
WNW	1.6	1.8	.4	.4	.4	.4	.2					5.5	7.0
NW	6.9	2.3	3.0	2.8	2.0	1.6	.5					19.2	7.6
NNW	2.1	1.8	1.2	2.0	2.7	1.5	.2	.5				12.3	13.7
VARBL													
CALM												12.4	
	21.5	16.3	14.4	14.7	9.1	6.9	2.0	1.8	.9			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 563

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

SURFACE WINDS

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

16603 FROBISHER MOUNTAIN DOT APT
STATION STATION NAME

42-49

YEARS

DEC
MONTH

0600-0900
HOURS - LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.8	3.0	2.2	2.6	2.2	.4	.3	.3			18.9	12.3
NNE	.6	.5	1.0	1.1	.5	.2	.3	.3				4.3	13.4
NE	2.4	1.6	2.9	.8	.3	.3	.3	.2				8.7	9.1
ENE	.3	.5	.5	.5								1.8	8.6
E	.6	.8	1.1	.5	.3		.2	.2				3.7	10.6
ESE	.3	.6	.5	1.0		.3						2.7	11.1
SE	1.6	1.0	.6	1.1	.5							4.8	8.1
SSE	.8	.3		1.0								2.1	9.0
S	.3	.3	1.0		.2	.2						2.1	8.3
SSW				.2	.2							.3	15.0
SW	.2											.2	2.0
WSW	.2	.2	.2									.5	4.7
W	.3	.6	.6		.5							2.1	8.9
WNW	1.1	1.8	.3	.5	.2	.2						4.0	6.8
NW	3.3	4.0	2.4	5.0	1.4	1.3	.5	.2				18.3	10.6
NNW	1.8	1.8	1.6	2.6	1.3	1.3	.3	.5				10.9	13.3
VARBL													
CAIM												14.6	
	17.6	17.8	15.7	16.2	7.9	5.9	2.2	1.6	.3			100.0	9.2
TOTAL NUMBER OF OBSERVATIONS													624

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

SURFACE WINDS

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

16600

EMBISSER DAY WAT DUT APT

42-49

YEARS

LFC
MONTH

0900-1100
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.0	3.2	2.3	3.8	1.9	2.9	.2	.2	.3			19.9	12.1
NNE	.8		.8	.8	.5	.5	.2					3.3	12.6
NE	2.0	1.8	1.8	1.1	.2	.3	.5	.2				8.4	8.9
ENE	.4	.8	.8	.6		.2						2.4	8.3
E	1.1	1.2	1.1	1.4	.2	.3	.2					5.3	9.5
ESE	.2	.5	.8	.4	.3	.2						2.7	10.3
SE	2.0	.9	.6	1.8	.3	.4						3.8	6.5
SSE	.4	.2	.3	.3	.2							1.7	7.5
S	.9	.8	.5	.2	.2							2.4	4.9
SSW	.3											.4	3.0
SW	.6	.3	.2									1.1	4.0
WSW	.2	.2										.3	2.3
W	.6	.3	.2		.5							1.5	8.3
WNW	1.1	1.1	.6	.3								3.0	5.8
NW	4.1	4.9	2.6	2.3	1.5	1.1	.4	.3				16.9	9.3
NNW	2.6	2.1	1.7	3.2	1.1	1.2	.8	.3	.2			13.1	12.6
VARBL													
CAIM												11.7	
	23.6	18.1	14.0	16.4	6.5	6.7	2.1	.9	.5			100.0	8.9
TOTAL NUMBER OF OBSERVATIONS													657

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

SURFACE WINDS

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

16603 PROHISHER RAY AWT OUT APT
STATION STATION NAME

42-47

YEARS

1200-1400
MONTH

1200-1400
HOURS LST

ALL YEAR-EX
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	2.4	3.2	2.4	2.4	2.7	2.6	1.1	.3	.3			18.0	14.1
NNE	2.1	.6	.6	.8	.3	.6	.6					3.6	11.2
NE	2.0	1.8	1.1	1.1	.3	.2		.3				8.8	9.3
ENE	.8	.6	1.5	.5	.2	.2	.3					4.1	10.1
E	1.2	.8	.8	1.2	.3	.2						4.4	8.7
ESE	.6	.3	1.1	.9	.3							3.3	9.0
SE	1.5	1.8	2.1	1.2	.6							7.3	8.0
SSE	.6	.5	.3	.3	.3	.2						2.1	9.5
S	.6	.3	.2	.2								1.2	5.0
SSW		.5										.5	4.7
SW	.2	.2	.2									.5	5.3
WSW	.2											.2	3.0
W	.9	.5	.2									1.5	4.0
WNW	.8	1.1	.3			.2						2.3	5.9
NW	3.7	3.0	2.9	2.7	1.8	1.2	.3	.2				15.3	10.3
NNW	1.8	2.7	2.6	2.4	1.5	.8	.2	.3	.2			12.6	11.8
VARBL													
CALM												13.7	
	19.5	18.0	16.1	14.2	8.4	5.9	2.4	1.4	.3			100.0	9.1
TOTAL NUMBER OF OBSERVATIONS													657

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

SURFACE WINDS

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

16603
STATION

PROBISHER BAY MNT OUT APT
STATION NAME

42-49

YEARS

DEC
MONTH

1500-1700
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.9	2.8	1.1	.9	4.4	2.0	.3				17.9	14.2
NNE	1.1	1.2	1.1	.9	.3	.2	.6	.5	.3	.2		6.3	15.1
NE	1.7	2.0	1.5	1.1				.2				6.4	7.4
ENE		.8	.9	.3	.2			.5				2.6	13.0
E	1.4	1.1	.9	.8	.3	.6						5.1	7.2
ESE	.8	.5	1.1	.6	.3	.3		.2				3.6	11.1
SE	1.4	1.7	1.5	.9								2.5	7.1
SSE	.3	.3	.8	.5	.5							2.5	9.9
S	.6	.3	.3	.2								1.4	5.4
SSW	.2											.8	3.0
SW	.2		.2									.3	4.3
WSW		.3										.3	4.5
W	1.4	.3	.2	.3								2.1	4.7
WNW	1.1	.8	.2	.3								2.3	5.3
NW	4.4	3.4	4.3	2.5	.9	1.1	.5					17.0	9.1
NNW	1.7	2.0	2.5	3.2	2.0	1.2	.5					13.0	12.6
VARBL													
CALM												12.7	
	26.5	17.5	18.1	12.7	5.2	7.8	3.5	1.5	.3	.2		100.0	9.4
TOTAL NUMBER OF OBSERVATIONS													653

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

SURFACE WINDS

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

16603 FORTUISHER HAV N.Y.T. DET APT
STATION STATION NAME

42-49

YEARS

DEC
MONTH

1000-2000
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.9	1.7	2.7	.8	3.4	2.3	.5	.3	.3		16.9	16.6
NNE	1.5	.8	1.1	.7	.5	.3	.6					5.5	12.2
NE	1.1	2.3	2.7	.8	.6	.5						3.0	8.8
ENE	.3	.6	1.1	.6	.5							3.1	10.0
E	.6	.8	1.1	.5	.8			.5	.2	.2		4.5	14.9
ESE	1.1	.9	.2	.8	.2	.3						3.4	8.3
SE	1.6	.5	1.1	1.1	.3							4.5	8.1
SSE	.8	.2	.5	.6	.3							2.5	9.4
S	.3	.3	.2		.2							.9	7.3
SSW	.3											.3	1.5
SW		.2										.2	4.0
WSW	.2	.2		.2								.5	5.7
W	.4	.3	.5									1.7	4.6
WNW	.9	.8	1.1	.2								3.0	5.0
NW	3.6	2.4	3.9	2.7	1.4	1.4	.6	.2				17.2	10.4
NNW	1.4	1.6	1.9	3.0	1.9	1.6	.5					12.2	12.5
VARBI													
CALM												15.5	
	17.2	14.7	16.9	13.9	7.4	7.5	4.2	1.1	.5	.5		100.0	9.8
TOTAL NUMBER OF OBSERVATIONS													639

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

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

SURFACE WINDS

16003
STATION

FRUBISHER BAY NWT OUT APT
STATION NAME

42-47

YEARS

DEC
MONTH

2100-2300
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.2	2.6	1.2	1.8	2.5	2.5	.2	.5	.2		16.7	15.8
NNE	.8	.8	1.5	1.0	.3	1.0	.2	.2	.2	.2		6.1	14.5
NE	1.8	1.0	2.2	.3	.8					.2		6.5	9.0
ENE	.2	.5	.3	.3		.5						1.8	12.0
E	.8	.7	1.2	.3	.3	.2		.7		.2		4.3	14.3
ESE	.7	.5	.7	1.2	.2							3.1	8.6
SE	1.0	1.0	.8	1.0	.5							4.3	8.5
SSE	.5		.3		.5							1.3	10.3
S	.8	.3	.3	.7								2.2	7.3
SSW	.2	.2										.3	3.5
SW		.2										.2	4.0
WSW		.2		.2								.3	10.0
W	.3	.2	.5	.2								1.2	6.7
WNW	1.5	.3	.8	.7								3.3	6.4
NW	4.1	5.1	3.6	1.7	1.7	3.1		.3				19.7	10.4
NNW	2.2	1.8	2.2	3.5	1.7	1.8	.3	.2				13.6	12.5
VARBL													
CALM												15.1	
	17.7	14.9	17.1	12.6	7.8	9.1	3.0	1.5	.7	.7		100.0	10.1
TOTAL NUMBER OF OBSERVATIONS													604

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

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

SURFACE WINDS

16603
STATION

PERIOD OF RECORD
STATION NAME

42-50

YEARS

ALL
MONTH

INSTRUMENT
CLASS

ALL
HOURS 1-24

CIG 200 TO 1400 FT 1/2 VSBY 1/2 MI OR MORE,
CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI 1/2 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	.0	.4	.7	.7	1.1	2.0	1.1	.2	.0	.0		6.7	19.4
NNE	.4	.3	.1	.2	.1	.1	.0	.0		.0		1.7	10.2
NE	.6	.5	.7	.3	.3	.4	.2	.1		.0		3.1	12.5
ENE	.3	.3	.4	.0	.4	.3	.2	.2	.0			2.7	15.8
E	.3	.5	1.2	1.3	.7	.4	.2	.1	.0	.0		4.2	14.0
ESE	.4	.6	.9	1.4	.6	.3	.2	.2	.0			4.2	13.9
SE	1.5	3.0	5.4	4.3	1.9	1.8	.6	.2				18.7	12.3
SSE	1.2	1.8	3.4	3.5	1.7	1.3	.4	.1				13.4	12.4
S	.6	1.3	1.9	1.0	.6	.3	.0	.0				6.4	10.6
SSW	.4	.4	.2	.1	.0	.0		.0				1.2	6.7
SW	.7	.5	.3	.1	.1	.1		.0				1.6	5.9
WSW	.3	.1	.1	.1	.1	.0						.5	5.6
W	.3	.3	.3	.2	.1	.1	.0	.0				1.3	10.2
WNW	.4	.5	.5	.3	.3	.6	.1					2.7	12.3
NW	1.1	.8	1.1	1.7	1.6	2.5	.5	.1				9.5	15.6
NNW	1.2	1.0	1.5	2.3	2.0	3.1	1.1	.1				12.2	16.6
VARBL												9.1	
CALM													
	10.1	12.4	18.7	18.0	11.9	13.8	4.7	1.2	.1	.1		100.0	12.4
TOTAL NUMBER OF OBSERVATIONS													7933

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	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{3}$	$\geq \frac{1}{4}$	≥ 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 ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

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

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

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

The value 91.0 read from the table at the intersection of ≥ 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/AC

CEILING VERSUS VISIBILITY

106-2 STATION: FRANKLIN MAY 1ST OUT APT 42-50 YEARS: ALL MONTH: ALL
HOURS (LST): ALL

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	27.2	24.9	24.3	29.5	29.7	29.8	30.0	30.1	30.1	30.3	30.4	30.5	30.6	30.6	30.7	30.7
≥ 20000	29.7	31.4	31.3	32.0	32.3	32.4	32.6	32.7	32.7	33.0	33.1	33.1	33.3	33.3	33.3	33.4
IV 18000	30.0	31.3	32.0	32.2	32.6	32.6	32.6	32.7	33.0	33.2	33.3	33.3	33.5	33.5	33.6	33.6
IV 16000	30.2	31.9	32.3	32.5	32.6	32.6	32.6	33.0	33.2	33.3	33.3	33.3	33.6	33.6	33.8	33.9
IV 14000	31.1	32.8	33.1	33.4	33.7	33.7	34.0	34.1	34.1	34.4	34.5	34.5	34.6	34.7	34.7	34.8
IV 12000	32.3	34.3	34.7	34.9	35.4	35.3	35.6	35.7	35.7	36.0	36.1	36.1	36.2	36.2	36.3	36.4
IV 10000	33.9	35.8	36.2	36.5	36.9	36.9	37.2	37.3	37.3	37.6	37.7	37.7	37.9	37.9	38.0	38.0
IV 9000	34.5	36.5	36.9	37.2	37.6	37.6	37.7	38.0	38.0	38.3	38.4	38.4	38.6	38.6	38.7	38.7
IV 8000	36.5	38.6	39.1	39.4	39.6	39.9	40.2	40.3	40.3	40.6	40.7	40.7	40.9	40.9	40.9	41.0
IV 7000	39.3	41.6	42.2	42.5	43.0	43.0	43.4	43.5	43.6	43.8	44.0	44.0	44.1	44.2	44.2	44.3
IV 6000	42.3	45.1	45.8	46.2	46.6	46.6	47.2	47.3	47.4	47.7	47.8	47.9	48.0	48.0	48.1	48.2
IV 5000	46.1	49.3	50.1	50.6	51.2	51.3	51.6	51.9	52.0	52.3	52.5	52.5	52.7	52.7	52.8	52.9
IV 4500	47.6	51.2	52.1	52.6	53.3	53.4	53.9	54.1	54.1	54.5	54.7	54.7	54.9	54.9	55.0	55.1
IV 4000	52.0	56.0	57.1	57.7	58.6	58.7	59.3	59.5	59.6	60.0	60.2	60.2	60.4	60.4	60.5	60.7
IV 3500	55.9	60.3	61.5	62.3	63.3	63.4	64.0	64.3	64.3	64.8	65.0	65.0	65.3	65.3	65.4	65.5
IV 3000	61.5	67.1	68.3	69.4	70.6	70.7	71.5	71.8	71.8	72.4	72.6	72.6	72.9	72.9	73.0	73.2
IV 2500	66.1	71.9	73.7	74.7	76.0	76.2	77.1	77.4	77.5	78.1	78.4	78.4	78.7	78.7	78.8	79.0
IV 2000	70.0	76.8	78.8	80.1	81.7	81.9	83.0	83.4	83.5	84.1	84.6	84.6	85.0	85.0	85.1	85.3
IV 1800	70.4	77.2	79.4	80.7	82.3	82.6	83.7	84.1	84.2	85.0	85.3	85.3	85.7	85.7	85.8	86.0
IV 1500	74.0	79.3	81.9	83.3	85.1	85.4	86.7	87.3	87.4	88.3	88.6	88.6	89.1	89.1	89.2	89.4
IV 1200	72.5	80.0	82.6	84.1	86.0	86.3	87.7	88.2	88.3	89.3	89.7	89.7	90.1	90.1	90.1	90.4
IV 1000	73.3	81.2	84.2	85.8	88.0	88.3	89.4	90.4	90.7	92.0	92.5	92.5	93.0	93.0	93.0	93.4
IV 900	73.4	81.4	84.3	86.0	88.2	88.5	90.2	90.8	91.0	92.3	92.8	92.8	93.3	93.4	93.5	93.8
IV 800	73.6	81.6	84.6	86.3	88.5	89.1	90.9	91.6	91.8	93.2	93.8	93.8	94.4	94.4	94.7	94.9
IV 700	73.7	81.9	84.9	86.7	89.1	89.4	91.1	91.9	92.1	93.6	94.1	94.2	94.8	94.8	95.0	95.3
IV 600	73.8	82.0	85.1	86.8	89.3	89.6	91.4	92.2	92.4	93.9	94.5	94.6	95.2	95.2	95.4	95.7
IV 500	73.9	82.2	85.3	87.1	89.6	89.9	91.9	92.7	92.9	94.7	95.3	95.3	96.1	96.1	96.4	96.7
IV 400	73.9	82.3	85.4	87.3	89.8	90.1	92.1	93.0	93.1	95.0	95.6	95.7	96.5	96.5	96.8	97.1
IV 300	73.9	82.4	85.6	87.4	90.0	90.3	92.4	93.2	93.4	95.4	96.0	96.1	97.0	97.0	97.3	97.6
IV 200	74.0	82.4	85.6	87.5	90.1	90.4	92.5	93.4	93.6	95.6	96.4	96.4	97.2	97.4	97.8	98.1
IV 100	74.0	82.5	85.7	87.6	90.1	90.5	92.6	93.5	93.8	95.9	96.7	96.8	97.8	97.9	98.3	98.7
IV 0	74.0	82.5	85.7	87.6	90.1	90.5	92.6	93.6	93.8	95.9	96.7	96.8	97.9	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 6517

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

CEILING VERSUS VISIBILITY

STATION 16603 FORT BRISNER DAY F.W.T. MILITARY ART

43-30

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (24 HRS.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	47.5	46.0	46.6	47.0	47.3	47.4	48.0	48.1	48.2	49.1	49.4	49.1	50.4	50.4	50.6	51.0
≥ 20000	43.3	46.8	47.4	47.9	48.3	48.3	48.9	49.1	49.2	50.1	50.7	50.7	51.4	51.4	51.6	52.0
IV 18000	43.4	46.9	47.5	47.9	48.3	48.4	49.0	49.2	49.3	50.2	50.7	50.8	51.5	51.5	51.7	52.1
IV 16000	43.5	47.1	47.7	48.1	48.5	48.6	49.2	49.4	49.5	50.4	50.9	51.0	51.7	51.7	51.9	52.2
IV 14000	44.9	48.4	49.0	49.5	49.9	49.9	50.5	50.7	50.8	51.7	52.2	52.3	53.0	53.0	53.2	53.6
IV 12000	46.1	49.7	50.2	50.7	51.1	51.2	51.8	52.0	52.1	53.0	53.5	53.6	54.3	54.3	54.5	54.7
IV 10000	46.9	50.1	51.3	51.9	52.4	52.5	53.2	53.4	53.5	54.4	55.0	55.0	55.8	55.8	56.0	56.4
IV 9000	47.4	51.2	51.8	52.4	52.9	53.1	53.7	54.2	54.4	55.0	55.5	55.6	56.4	56.4	56.5	56.9
IV 8000	49.3	53.7	54.4	55.1	55.7	55.9	56.6	56.9	57.0	57.9	58.6	58.7	59.5	59.5	59.7	60.1
IV 7000	51.9	56.7	57.5	58.3	59.0	59.1	60.0	60.4	60.5	61.3	62.1	62.3	63.1	63.1	63.3	63.7
IV 6000	54.0	59.6	60.6	61.7	62.5	62.6	63.6	64.0	64.1	65.2	65.8	66.0	66.8	66.8	67.0	67.5
IV 5000	57.0	64.4	64.7	65.8	66.7	67.0	68.2	68.6	68.7	69.9	70.2	70.7	71.9	71.9	72.1	72.7
IV 4500	57.7	64.5	65.5	67.0	68.0	68.3	69.5	69.9	70.0	71.4	72.0	72.2	73.4	73.4	73.5	74.2
IV 4000	57.2	66.8	68.7	70.0	71.2	71.5	72.8	73.3	73.4	74.8	75.4	75.5	76.9	76.9	77.1	77.7
IV 3500	60.1	68.3	70.4	71.8	73.1	73.4	74.8	75.4	75.5	77.1	78.0	78.1	79.5	79.5	79.7	80.3
IV 3000	61.8	70.9	73.1	74.6	76.4	76.8	78.7	79.4	79.5	81.3	82.3	82.5	83.9	83.9	84.1	84.8
IV 2500	62.8	72.4	74.8	76.5	78.4	79.0	81.1	81.9	82.1	84.0	84.9	85.2	86.6	86.6	86.8	87.5
IV 2000	63.8	74.7	76.3	78.1	80.2	80.8	83.3	84.3	84.5	86.6	87.6	87.9	89.6	89.7	90.0	91.7
IV 1800	63.9	75.8	76.4	78.2	80.4	81.0	83.4	84.5	84.7	86.9	87.9	88.2	89.8	89.9	90.3	91.0
IV 1500	64.1	76.3	77.0	78.9	81.2	81.8	84.7	85.9	86.2	88.4	89.4	89.7	91.4	91.5	91.9	92.5
IV 1200	64.2	76.5	77.2	79.0	81.4	82.0	84.9	86.2	86.4	88.7	89.7	90.0	91.7	91.8	92.1	92.8
IV 1000	64.4	76.0	77.7	79.6	82.2	82.8	85.9	87.3	87.5	90.0	91.0	91.3	93.1	93.2	93.5	94.3
IV 900	64.4	75.0	77.8	79.6	82.3	82.9	86.0	87.3	87.6	90.0	91.0	91.4	93.2	93.3	93.6	94.4
IV 800	64.5	75.1	77.9	79.8	82.4	83.0	86.2	87.5	87.9	90.5	91.5	91.8	93.6	93.8	94.1	95.0
IV 700	64.5	75.1	77.9	79.8	82.4	83.0	86.2	87.6	87.9	90.8	91.7	92.0	93.9	94.0	94.3	95.2
IV 600	64.5	75.2	78.0	79.8	82.5	83.1	86.3	87.7	88.0	90.8	91.8	92.1	94.0	94.1	94.5	95.3
IV 500	64.5	75.2	78.0	79.8	82.5	83.1	86.3	87.8	88.0	91.2	92.3	92.7	94.8	95.0	95.3	96.3
IV 400	64.5	75.2	78.0	79.8	82.5	83.1	86.3	87.8	88.0	91.2	92.4	92.7	94.8	95.0	95.6	96.4
IV 300	64.5	75.2	78.0	79.9	82.5	83.1	86.3	87.8	88.1	91.4	92.5	92.8	94.9	95.1	95.6	96.6
IV 200	64.5	75.2	78.0	79.9	82.5	83.1	86.3	87.8	88.1	91.4	92.5	92.9	95.0	95.2	95.7	96.7
IV 100	64.5	75.2	78.0	79.9	82.5	83.1	86.3	87.8	88.1	91.4	92.5	92.9	95.0	95.2	95.7	96.8
IV 0	64.5	75.2	78.0	79.9	82.5	83.1	86.3	87.8	88.1	91.4	92.5	92.9	95.0	95.2	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2043

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

CEILING VERSUS VISIBILITY

166-3 STATION NUMBER 166-3 DAY MONTH YEAR 43-90

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS RPT.

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	43.3	46.8	47.9	48.4	49.3	49.4	50.3	50.4	50.6	51.5	51.9	51.9	52.3	52.3	52.5
IV 18000	44.8	48.7	50.0	50.7	51.8	52.0	52.9	53.0	53.2	54.1	54.5	54.5	54.9	54.9	55.2
IV 16000	44.8	48.7	50.1	50.8	52.0	52.1	53.0	53.2	53.3	54.2	54.7	54.7	55.1	55.1	55.5
IV 14000	45.8	49.8	51.1	51.9	53.1	53.2	54.1	54.3	54.5	55.3	55.8	55.8	56.2	56.2	56.6
IV 12000	47.0	51.2	52.7	53.4	54.7	54.8	55.8	56.0	56.1	57.0	57.5	57.5	57.9	57.9	58.3
IV 10000	48.9	53.6	55.3	56.1	57.4	57.5	58.5	58.8	58.9	59.8	60.3	60.3	60.7	60.7	61.1
IV 9000	49.3	54.2	55.9	56.8	58.1	58.2	59.2	59.5	59.6	60.6	61.1	61.1	61.5	61.5	61.9
IV 8000	50.5	55.7	57.6	58.6	60.0	60.1	61.1	61.4	61.6	62.5	63.0	63.0	63.4	63.4	63.8
IV 7000	52.5	58.4	60.6	61.6	63.1	63.2	64.4	64.7	64.8	65.9	66.3	66.3	66.8	66.8	67.2
IV 6000	54.5	61.2	64.1	65.4	67.2	67.4	68.6	68.9	69.1	70.1	70.7	70.7	71.1	71.1	71.6
IV 5000	55.4	62.9	66.2	67.6	69.8	70.0	71.5	71.8	71.9	73.0	73.6	73.6	74.3	74.3	74.9
IV 4500	55.7	63.4	66.7	68.3	70.6	70.8	72.4	72.7	72.9	74.0	74.6	74.6	75.3	75.3	75.9
IV 4000	56.7	64.9	68.5	70.3	73.1	73.4	75.2	75.8	76.0	77.5	78.2	78.2	79.1	79.1	79.6
IV 3500	57.6	66.0	69.8	71.7	74.7	75.0	77.0	77.6	77.9	79.3	80.1	80.2	81.0	81.0	81.5
IV 3000	59.3	68.4	72.4	74.5	78.0	78.4	80.5	81.3	81.6	83.1	84.0	84.0	84.9	84.9	85.4
IV 2500	60.3	69.6	74.3	76.6	80.3	80.8	83.2	84.0	84.3	85.9	86.8	86.9	87.8	87.8	88.3
IV 2000	61.9	71.1	76.8	79.4	83.2	83.8	86.5	87.5	87.9	89.8	90.8	90.8	91.8	91.8	92.4
IV 1800	62.0	71.8	77.0	79.6	83.4	83.9	86.7	87.7	88.1	89.9	91.0	91.0	92.0	92.0	92.6
IV 1500	62.2	72.1	77.5	80.2	84.1	84.7	87.7	88.8	89.2	91.2	92.3	92.4	93.3	93.3	93.9
IV 1200	62.2	72.1	77.5	80.3	84.2	84.7	87.7	88.8	89.2	91.2	92.4	92.4	93.4	93.4	94.0
IV 1000	62.3	72.3	77.8	80.6	84.8	85.4	88.6	89.8	90.2	92.6	93.9	93.9	95.1	95.1	95.8
IV 900	62.3	72.3	77.8	80.6	84.8	85.4	88.6	89.8	90.2	92.6	93.9	94.0	95.1	95.2	95.8
IV 800	62.3	72.4	77.8	80.6	84.8	85.5	88.7	89.9	90.3	92.8	94.1	94.1	95.4	95.4	96.3
IV 700	62.3	72.4	77.8	80.6	84.8	85.5	88.7	89.9	90.3	92.8	94.1	94.2	95.4	95.5	96.4
IV 600	62.3	72.4	77.8	80.6	84.8	85.5	88.7	89.9	90.3	92.8	94.1	94.2	95.4	95.5	96.4
IV 500	62.3	72.4	77.8	80.6	84.8	85.5	88.7	89.9	90.3	92.8	94.2	94.3	95.6	95.7	96.8
IV 400	62.3	72.4	77.8	80.6	84.8	85.5	88.7	89.9	90.3	92.8	94.2	94.3	95.6	95.7	96.8
IV 300	62.3	72.4	77.8	80.6	84.8	85.5	88.7	89.9	90.3	92.9	94.3	94.3	95.7	95.7	96.9
IV 200	62.3	72.4	77.8	80.6	84.8	85.5	88.7	89.9	90.3	92.9	94.3	94.4	95.9	96.0	97.4
IV 100	62.3	72.4	77.8	80.6	84.8	85.5	88.7	89.9	90.3	92.9	94.3	94.4	95.9	96.0	97.4
IV 0	62.3	72.4	77.8	80.6	84.8	85.5	88.7	89.9	90.3	92.9	94.3	94.4	96.0	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 4508

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

CEILING VERSUS VISIBILITY

16623 STATION EMBLESLEY DAY NOT OUT APT

42-46-48-50

YEARS

1961
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (24)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .5/8	≥ .5/4	≥ .5/16	≥ .5/4	≥ 0
NO CEILING ≥ 20000	37.4	42.5	43.7	44.8	45.8	46.0	46.6	47.1	47.2	47.5	47.8	47.8	48.1	48.1	48.4	48.8
IV 18000 16000	42.9	48.6	50.0	51.4	52.6	52.8	53.7	54.3	54.3	54.8	55.1	55.2	55.5	55.6	55.9	56.4
IV 14000 12000	43.8	49.7	51.1	52.5	53.8	53.9	54.8	55.5	55.5	56.0	56.3	56.3	56.7	56.8	57.1	57.6
IV 10000 9000	47.7	53.9	55.4	56.8	58.2	58.4	59.4	60.2	60.3	60.8	61.2	61.3	61.6	61.7	62.0	62.5
IV 8000 7000	49.7	54.9	56.5	57.9	59.3	59.5	60.5	61.3	61.3	61.8	62.3	62.3	62.7	62.7	63.1	63.2
IV 6000 5000	50.6	57.0	58.6	60.1	61.5	61.8	62.6	63.6	63.6	64.1	64.6	64.6	65.0	65.1	65.4	65.9
IV 4500 4000	52.6	59.5	61.3	63.0	64.6	64.9	66.0	66.8	66.9	67.5	67.9	68.0	68.4	68.4	68.8	69.2
IV 3500 3000	55.2	62.5	64.6	66.4	68.4	68.7	69.9	70.8	71.0	71.6	72.2	72.2	72.6	72.6	73.0	73.4
IV 2500 2000	57.8	65.8	68.2	70.2	72.7	73.1	74.3	75.3	75.4	76.1	76.6	76.6	77.0	77.1	77.4	77.9
IV 1800 1500	58.6	66.9	69.3	71.4	74.0	74.4	75.8	76.8	76.9	77.6	78.2	78.2	78.6	78.6	79.0	79.3
IV 1200 1000	60.1	69.1	71.9	74.3	77.7	78.2	79.9	80.8	81.0	81.7	82.3	82.3	82.7	82.8	83.1	83.6
IV 900 800	61.3	70.9	73.7	76.4	80.0	80.5	82.2	83.3	83.4	84.2	84.7	84.8	85.2	85.3	85.6	86.1
IV 700 600	62.0	71.9	74.9	77.7	81.5	82.0	83.9	85.1	85.2	86.0	86.6	86.7	87.1	87.2	87.5	88.0
IV 500 400	62.3	72.7	75.8	78.8	82.9	83.4	85.5	86.8	87.0	87.9	88.5	88.6	89.0	89.1	89.4	89.9
IV 300 200	62.9	73.5	76.9	80.0	84.8	85.3	87.8	89.3	89.5	90.8	91.6	91.6	92.2	92.3	92.6	93.2
IV 100 0	63.0	73.8	77.4	80.5	85.5	86.1	88.7	90.4	90.5	92.1	92.9	93.0	93.7	93.8	94.1	94.7
IV 0	63.1	73.9	77.6	80.7	86.0	86.6	90.2	92.0	92.1	94.6	95.5	95.6	96.4	96.5	96.9	97.6
IV 0	63.1	73.9	77.6	80.7	86.0	86.6	90.2	92.0	92.2	94.7	95.7	95.8	96.7	96.8	97.1	98.0
IV 0	63.1	73.9	77.6	80.7	86.0	86.6	90.2	92.1	92.2	94.8	95.8	95.9	96.8	96.9	97.3	98.2
IV 0	63.1	73.9	77.6	80.7	86.1	86.7	90.3	92.2	92.4	95.0	96.0	96.2	97.2	97.3	97.7	98.6
IV 0	63.1	73.9	77.6	80.7	86.1	86.7	90.3	92.2	92.4	95.0	96.0	96.2	97.2	97.3	97.8	98.7
IV 0	63.1	73.9	77.6	80.7	86.1	86.7	90.4	92.3	92.5	95.1	96.2	96.3	97.4	97.5	98.0	98.9
IV 0	63.1	73.9	77.6	80.7	86.1	86.7	90.4	92.3	92.5	95.1	96.2	96.3	97.4	97.5	98.1	99.0
IV 0	63.1	73.9	77.6	80.7	86.1	86.7	90.4	92.3	92.5	95.1	96.2	96.3	97.5	97.6	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 4449

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

CEILING VERSUS VISIBILITY

10002 STATION ETAC DAY NOT DUT APT

42-47, 49-50 YEARS

APR MONTH

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 ≥ 20000	37.0	39.7	40.2	40.4	40.5	40.6	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 18000	40.4	44.0	44.5	44.8	45.1	45.1	45.2	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 16000	40.5	44.2	44.7	45.0	45.2	45.3	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 14000	41.5	45.1	45.7	46.0	46.2	46.3	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 12000	43.0	46.7	47.2	47.5	47.8	47.8	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3
IV 10000	44.5	48.5	49.1	49.4	49.6	49.7	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2
IV 9000	46.6	50.7	51.3	51.6	51.9	52.0	52.2	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 8000	47.7	52.1	52.7	53.0	53.3	53.4	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 7000	50.8	53.6	56.3	56.6	57.0	57.1	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7
IV 6000	53.3	56.7	59.5	59.9	60.6	60.7	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 5000	56.1	62.5	63.8	64.4	65.3	65.4	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4500	59.0	66.2	67.8	68.6	69.8	70.0	70.7	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 4000	62.1	67.9	69.5	70.4	71.7	71.9	72.8	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.3	73.3
IV 3500	63.1	71.2	73.6	74.8	76.5	76.7	77.8	78.0	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3000	64.6	73.5	76.0	77.3	79.2	79.5	80.7	81.0	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.5
IV 2500	67.4	77.1	80.2	81.7	83.9	84.3	85.6	85.8	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.4
IV 2000	68.7	79.0	82.4	84.1	86.4	86.8	88.5	88.8	88.9	89.3	89.4	89.4	89.4	89.4	89.4	89.4
IV 1800	70.2	81.0	84.9	86.8	89.6	90.1	92.1	92.6	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.5
IV 1600	70.4	81.3	85.2	87.1	90.0	90.6	92.5	93.0	93.2	93.8	93.8	93.8	93.8	93.9	93.9	93.9
IV 1500	71.0	82.2	86.3	88.2	91.4	92.0	94.0	94.6	94.8	95.5	95.6	95.6	95.7	95.7	95.7	95.7
IV 1200	71.0	82.3	86.4	88.3	91.5	92.1	94.3	94.9	95.1	95.8	96.0	96.0	96.1	96.1	96.2	96.2
IV 1000	71.1	82.4	86.5	88.5	91.8	92.4	94.8	95.6	95.8	96.8	97.1	97.1	97.2	97.2	97.3	97.3
IV 900	71.1	82.4	86.5	88.5	91.8	92.4	94.8	95.6	95.8	96.8	97.1	97.2	97.6	97.6	97.6	97.6
IV 800	71.1	82.4	86.5	88.5	91.8	92.4	94.9	95.7	95.9	96.9	97.4	97.4	97.9	97.9	97.9	97.9
IV 700	71.1	82.4	86.5	88.5	91.8	92.4	94.9	95.7	95.9	96.9	97.4	97.4	97.9	97.9	97.9	98.0
IV 600	71.1	82.4	86.5	88.5	91.8	92.4	94.9	95.7	95.9	96.9	97.4	97.4	97.9	97.9	98.0	98.0
IV 500	71.2	82.4	86.5	88.5	91.8	92.5	95.0	95.8	96.0	97.3	97.8	97.8	98.8	98.8	98.8	98.9
IV 400	71.2	82.4	86.5	88.5	91.8	92.5	95.0	95.8	96.0	97.3	97.8	97.8	98.8	98.8	98.8	98.9
IV 300	71.2	82.4	86.5	88.5	91.8	92.5	95.0	95.8	96.0	97.3	97.8	97.8	98.8	98.8	98.8	98.9
IV 200	71.2	82.4	86.5	88.5	91.8	92.5	95.0	95.8	96.0	97.3	97.8	97.8	98.8	98.8	98.8	98.9
IV 100	71.2	82.4	86.5	88.5	91.8	92.5	95.0	95.8	96.0	97.3	97.9	97.9	99.0	99.0	99.1	99.2
IV 0	71.2	82.4	86.5	88.5	91.8	92.5	95.0	95.8	96.0	97.3	97.9	97.9	99.0	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 4229

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

CEILING VERSUS VISIBILITY

16603 STATION ELMHURST DAY INT OUT APT

42-50

YEARS

DAY MONTH

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	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	21.0	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 20000	22.6	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
IV 18000	22.7	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
IV 16000	23.0	23.2	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
IV 14000	23.7	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
IV 12000	25.0	25.6	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
IV 10000	26.2	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
IV 9000	26.6	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
IV 8000	28.4	29.1	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
IV 7000	30.8	31.7	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
IV 6000	33.2	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
IV 5000	37.4	38.4	39.0	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 4500	39.3	41.0	41.3	41.4	41.5	41.5	41.5	41.6	41.6	41.6	41.7	41.7	41.8	41.8	41.8	41.8
IV 4000	45.3	47.6	48.0	48.2	48.4	48.4	48.5	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8
IV 3500	50.1	53.5	54.2	54.6	54.9	54.9	55.1	55.1	55.1	55.2	55.4	55.4	55.4	55.5	55.5	55.5
IV 3000	55.3	62.9	63.8	64.4	64.8	65.0	65.2	65.2	65.2	65.5	65.6	65.6	65.6	65.7	65.7	65.7
IV 2500	62.8	68.7	70.3	71.4	72.1	72.3	72.5	72.6	72.7	73.0	73.1	73.1	73.2	73.2	73.2	73.3
IV 2000	67.7	74.7	77.0	78.6	79.8	80.1	80.3	80.6	80.7	81.1	81.2	81.2	81.3	81.3	81.3	81.4
IV 1800	68.1	75.2	77.5	79.1	80.3	80.6	81.1	81.3	81.3	81.7	81.9	81.9	82.0	82.0	82.0	82.1
IV 1500	70.2	77.7	80.3	82.1	83.5	83.9	84.8	85.1	85.3	85.8	85.9	86.0	86.2	86.2	86.2	86.3
IV 1200	70.9	78.6	81.3	83.2	84.7	85.1	86.0	86.4	86.6	87.1	87.3	87.3	87.5	87.6	87.6	87.6
IV 1000	72.3	80.2	83.3	85.3	87.0	87.5	89.1	90.0	90.3	91.3	91.8	91.8	92.2	92.3	92.3	92.5
IV 900	72.4	80.4	83.4	85.4	87.2	87.6	89.3	90.2	90.5	91.6	92.1	92.1	92.5	92.6	92.6	92.7
IV 800	72.6	80.8	83.9	85.9	87.7	88.2	90.0	91.0	91.4	92.5	93.2	93.2	93.7	93.7	93.8	93.9
IV 700	72.7	81.0	84.1	86.2	88.1	88.6	90.6	91.6	92.0	93.4	94.1	94.1	94.6	94.6	94.7	94.9
IV 600	72.8	81.2	84.4	86.6	88.5	88.9	91.1	92.1	92.5	94.0	94.8	94.8	95.2	95.3	95.3	95.6
IV 500	72.9	81.4	84.6	86.9	88.9	89.4	91.7	92.7	93.1	95.3	96.2	96.2	96.9	97.0	97.0	97.2
IV 400	72.9	81.5	84.8	87.1	89.1	89.6	92.0	93.1	93.5	95.7	96.8	96.8	97.5	97.6	97.7	97.9
IV 300	72.9	81.8	85.1	87.4	89.5	90.0	92.5	93.6	94.1	96.3	97.3	97.4	98.1	98.2	98.2	98.5
IV 200	72.9	82.0	85.3	87.6	89.8	90.3	92.9	94.0	94.6	96.8	97.9	97.9	98.7	98.8	98.9	99.3
IV 100	73.0	82.0	85.4	87.7	89.9	90.4	93.0	94.2	94.8	97.1	98.2	98.3	99.1	99.2	99.4	99.9
IV 0	73.0	82.0	85.4	87.7	89.9	90.4	93.0	94.2	94.8	97.1	98.2	98.3	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 9090

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

CEILING VERSUS VISIBILITY

16643 STATION EMBURY BAY NAVY MILITARY APT

42-50 YEARS

MONTH

HOURLY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET.	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
≥ 20000	23.1	23.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 18000	25.1	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
≥ 16000	25.4	25.3	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.6	25.6
≥ 14000	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 12000	27.8	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
≥ 10000	29.4	29.5	29.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 9000	29.9	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.2	30.2
≥ 8000	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 7000	34.9	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 6000	38.4	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 5000	43.2	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	44.1
≥ 4500	45.0	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 4000	49.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2
≥ 3500	53.5	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3000	62.2	63.5	63.7	63.8	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 2500	69.8	70.8	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2000	74.8	77.4	78.5	78.8	79.1	79.3	79.3	79.3	79.3	79.6	79.6	79.6	79.7	79.7	79.7	79.7
≥ 1800	75.5	78.5	79.2	79.5	79.9	79.9	80.0	80.1	80.1	80.3	80.4	80.4	80.5	80.5	80.5	80.5
≥ 1500	78.4	82.5	83.5	84.0	84.5	84.6	84.8	84.9	84.9	85.2	85.3	85.3	85.4	85.4	85.4	85.4
≥ 1200	79.4	83.7	84.8	85.3	85.8	85.9	86.2	86.2	86.2	86.6	86.6	86.7	86.8	86.8	86.8	86.8
≥ 1000	81.3	86.1	87.7	88.5	89.1	89.2	89.6	89.7	89.7	90.3	90.4	90.5	90.7	90.7	90.8	90.8
≥ 900	81.6	86.5	88.2	88.9	89.6	89.6	90.1	90.2	90.2	90.8	90.9	91.0	91.2	91.2	91.3	91.3
≥ 800	82.3	87.3	89.2	90.1	91.1	91.2	91.7	91.8	91.8	92.7	92.8	92.9	93.3	93.3	93.4	93.4
≥ 700	82.5	87.4	89.6	90.5	91.6	91.7	92.2	92.4	92.4	93.4	93.5	93.6	93.9	94.0	94.0	94.1
≥ 600	82.8	88.2	89.9	90.9	92.1	92.1	92.7	92.9	93.0	94.0	94.1	94.2	94.6	94.6	94.7	94.7
≥ 500	83.1	88.8	90.7	91.7	93.0	93.2	93.8	94.1	94.2	95.4	95.5	95.6	96.0	96.1	96.2	96.3
≥ 400	83.2	89.1	91.1	92.1	93.4	93.6	94.3	94.7	94.8	96.0	96.1	96.2	96.7	96.8	96.9	97.0
≥ 300	83.3	89.2	91.3	92.3	93.8	94.1	94.9	95.3	95.4	96.7	96.9	97.0	97.5	97.6	97.7	97.8
≥ 200	83.3	89.3	91.5	92.7	94.2	94.4	95.3	95.9	95.9	97.5	97.8	97.8	98.4	98.5	98.7	98.8
≥ 100	83.3	89.4	91.6	92.8	94.3	94.6	95.6	96.2	96.2	98.0	98.4	98.4	99.1	99.2	99.3	99.6
≥ 0	83.3	89.4	91.6	92.8	94.3	94.6	95.6	96.2	96.2	98.0	98.4	98.4	99.2	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5995

1
2
1

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

CEILING VERSUS VISIBILITY

10003 STATION EXHIBITOR DAY INT OUT APT 42-50 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	29.0 31.1	28.0 31.2	28.0 31.2	28.0 31.2	28.1 31.2	28.1 31.2	28.1 31.2	28.1 31.2	28.1 31.2	28.1 31.2	28.1 31.2	28.1 31.2	28.1 31.2	28.1 31.2	28.1 31.2	28.1 31.2
IVN 18000 16000	31.7 32.3	31.8 32.4	31.8 32.5	31.9 32.5	31.9 32.5	31.9 32.5	31.9 32.5	31.9 32.5	31.9 32.5	31.9 32.5	31.9 32.5	31.9 32.5	31.9 32.5	31.9 32.5	31.9 32.5	31.9 32.5
IVN 14000 12000	33.3 34.6	33.4 34.8	33.4 34.8	33.4 34.8	33.5 34.8	33.5 34.8	33.5 34.8	33.5 34.8	33.5 34.8	33.5 34.8	33.5 34.9	33.5 34.9	33.5 34.9	33.5 34.9	33.5 34.9	33.5 34.9
IVN 10000 9000	36.1 36.8	36.3 37.0	36.3 37.0	36.3 37.0	36.3 37.0	36.3 37.0	36.3 37.1	36.3 37.1	36.3 37.1	36.3 37.1	36.4 37.1	36.4 37.1	36.4 37.1	36.4 37.1	36.4 37.1	36.4 37.1
IVN 8000 7000	40.2 44.2	40.4 44.4	40.4 44.5	40.5 44.5	40.5 44.5	40.5 44.5	40.5 44.5	40.5 44.5	40.5 44.5	40.5 44.5	40.5 44.5	40.5 44.5	40.5 44.5	40.5 44.5	40.5 44.5	40.5 44.6
IVN 6000 5000	48.5 54.6	48.7 54.8	48.7 54.9	48.8 54.9	48.8 54.9	48.8 54.9	48.8 54.9	48.8 54.9	48.8 54.9	48.8 55.0	48.8 55.0	48.8 55.0	48.8 55.0	48.8 55.0	48.8 55.0	48.8 55.0
IVN 4500 4000	57.7 62.5	58.1 63.4	58.2 63.4	58.2 63.5	58.2 63.5	58.2 63.5	58.3 63.5	58.3 63.5	58.3 63.5	58.3 63.6	58.3 63.6	58.3 63.6	58.3 63.6	58.3 63.6	58.3 63.6	58.3 63.6
IVN 3500 3000	66.5 71.6	67.4 73.0	67.6 73.4	67.7 73.6	67.7 73.6	67.7 73.6	67.8 73.7	67.8 73.7	67.8 73.7	67.8 73.8	67.9 73.8	67.9 73.8	67.9 73.8	67.9 73.8	67.9 73.8	67.9 73.8
IVN 2500 2000	75.9 77.0	77.7 81.3	78.2 81.9	78.4 82.2	78.5 82.3	78.5 82.3	78.6 82.5	78.7 82.5	78.7 82.6	78.7 82.6	78.7 82.7	78.7 82.7	78.7 82.7	78.7 82.7	78.8 82.7	78.8 82.7
IVN 1800 1500	79.4 80.9	81.7 83.7	82.4 84.6	82.6 85.0	82.8 85.3	82.8 85.3	82.9 85.5	83.0 85.5	83.0 85.5	83.1 85.7	83.1 85.7	83.1 85.7	83.1 85.7	83.1 85.7	83.1 85.7	83.1 85.8
IVN 1200 1000	81.6 83.0	84.7 86.7	85.6 88.6	86.1 89.2	86.4 89.9	86.5 89.9	86.6 90.1	86.7 90.2	86.7 90.2	86.8 90.4	86.9 90.5	86.9 90.5	86.9 90.5	86.9 90.5	86.9 90.6	86.9 90.6
IVN 900 800	83.2 83.8	87.0 87.9	89.0 90.1	89.7 90.9	90.4 91.7	90.4 91.7	90.6 92.0	90.7 92.1	90.7 92.1	91.0 92.4	91.0 92.4	91.0 92.4	91.1 92.7	91.1 92.7	91.1 92.7	91.2 92.8
IVN 700 600	84.0 84.2	88.3 88.7	90.3 91.0	91.4 91.8	92.2 92.7	92.3 92.8	92.6 93.1	92.6 93.2	92.7 93.2	92.9 93.6	93.0 93.6	93.0 93.6	93.2 93.9	93.2 93.9	93.2 94.0	93.3 94.0
IVN 500 400	84.6 84.9	89.2 89.7	91.6 92.1	92.4 93.0	93.4 94.0	93.4 94.0	93.8 94.6	93.9 94.8	93.9 94.9	94.3 95.2	94.4 95.3	94.4 95.4	94.6 95.6	94.7 95.6	94.7 95.7	94.8 95.8
IVN 300 200	85.1 85.1	90.0 90.1	92.3 92.6	93.3 93.7	94.6 94.9	94.6 94.9	95.3 95.7	95.6 96.0	95.7 96.1	96.2 96.7	96.3 96.9	96.4 97.0	96.8 97.4	96.8 97.4	96.9 97.7	97.0 97.8
IVN 100 0	85.1 85.1	90.2 90.2	92.8 92.8	94.0 94.0	95.1 95.1	95.2 95.2	96.0 96.0	96.4 96.5	96.6 96.6	97.3 97.3	97.8 97.9	97.9 97.9	98.8 98.9	98.8 99.0	99.1 99.4	99.4 100.0

TOTAL NUMBER OF OBSERVATIONS 6175

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28501

CEILING VERSUS VISIBILITY

STATION 16613 FORT BRAGG AFB

42-50

YEARS

505
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (C.F.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
≥ 20000	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
IV 18000	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
IV 16000	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
IV 14000	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
IV 12000	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
IV 10000	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
IV 9000	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
IV 8000	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV 7000	36.8	36.9	36.9	37.0	37.0	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
IV 6000	41.0	41.3	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 5000	46.2	46.6	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	46.8
IV 4500	48.9	49.4	49.5	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4000	55.7	56.5	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 3500	60.8	61.4	62.0	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 3000	69.9	71.2	71.4	71.5	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 2500	76.3	78.1	78.3	78.5	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2000	81.1	82.6	84.1	84.3	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1800	81.5	84.1	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3
IV 1600	83.4	86.9	87.8	88.1	88.4	88.4	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1400	83.9	87.7	88.7	89.1	89.4	89.4	89.5	89.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7
IV 1200	84.9	89.3	90.9	91.5	91.9	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1000	85.1	89.8	91.4	92.0	92.5	92.5	92.7	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0
IV 900	85.4	90.6	92.2	92.9	93.6	93.6	93.9	94.1	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	85.5	90.8	92.5	93.3	94.0	94.1	94.4	94.6	94.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1
IV 700	85.6	91.0	92.8	93.7	94.5	94.5	94.9	95.0	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5
IV 600	85.7	91.2	93.2	94.4	95.4	95.4	95.9	96.2	96.2	96.6	96.7	96.7	96.8	96.8	96.8	96.8
IV 500	85.8	91.4	93.4	94.7	95.7	95.7	96.3	96.5	96.5	97.0	97.1	97.1	97.2	97.2	97.2	97.2
IV 400	85.8	91.5	93.6	94.9	95.9	95.9	96.7	96.9	97.0	97.5	97.7	97.7	97.8	97.8	97.8	97.8
IV 300	85.9	91.6	93.7	95.1	96.0	96.1	96.8	97.2	97.2	97.9	98.0	98.0	98.2	98.2	98.3	98.3
IV 200	85.9	91.7	93.7	95.2	96.2	96.2	97.0	97.4	97.6	98.4	98.8	98.9	99.3	99.3	99.4	99.4
IV 100	85.9	91.7	93.8	95.2	96.2	96.2	97.0	97.4	97.6	98.4	98.9	98.9	99.4	99.4	99.6	99.6
IV 0	85.9	91.7	93.8	95.2	96.2	96.2	97.0	97.4	97.6	98.4	98.9	98.9	99.4	99.4	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 6143

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

CEILING VERSUS VISIBILITY

16643 STATION EMBURY DAY NOT OUT APT

42-43

YEARS

SLP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.Y.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.5	15.5	15.5	15.5	15.5
≥ 20000	17.5	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.8	17.8	17.8	17.8	17.8
IV 18000	17.9	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2
IV 16000	18.0	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.3	18.3	18.3	18.3	18.3
IV 14000	18.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.9
IV 12000	19.8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1
IV 10000	21.4	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
IV 9000	22.1	22.3	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
IV 8000	24.1	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6
IV 7000	26.6	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.4
IV 6000	30.4	31.0	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2
IV 5000	33.8	34.4	34.5	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8
IV 4500	35.8	36.5	36.6	36.7	36.8	36.8	36.8	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV 4000	42.2	43.0	43.1	43.3	43.3	43.3	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 3500	51.7	52.8	53.0	53.2	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 3000	63.3	64.7	65.0	65.3	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 2500	69.6	71.2	71.8	72.0	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 2000	75.7	79.0	79.7	80.1	80.2	80.2	80.3	80.4	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6
IV 1800	77.4	79.8	80.7	81.0	81.2	81.2	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 1500	80.0	83.2	84.4	84.9	85.3	85.3	85.5	85.5	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1200	81.3	83.7	85.1	85.7	86.1	86.1	86.4	86.4	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8
IV 1000	81.4	85.2	87.1	88.0	88.8	88.8	89.4	89.4	89.5	89.9	90.0	90.1	90.2	90.2	90.2	90.2
IV 900	81.6	85.4	87.3	88.2	89.0	89.0	89.6	89.7	89.7	90.2	90.3	90.3	90.5	90.5	90.5	90.5
IV 800	81.8	85.7	87.8	89.1	90.2	90.2	90.9	91.0	91.0	91.7	91.9	91.9	92.1	92.1	92.1	92.1
IV 700	81.8	85.8	87.9	89.2	90.4	90.4	91.1	91.2	91.2	92.0	92.1	92.2	92.4	92.4	92.4	92.4
IV 600	81.9	85.9	88.1	89.4	90.6	90.7	91.5	91.6	91.7	92.5	92.6	92.6	92.8	92.8	92.8	92.8
IV 500	81.9	86.1	88.3	89.7	91.0	91.0	92.1	92.3	92.3	93.5	93.7	93.7	93.9	93.9	94.0	94.0
IV 400	81.9	86.1	88.3	89.8	91.2	91.3	92.5	92.6	92.9	94.2	94.5	94.5	94.8	94.8	94.8	94.8
IV 300	81.9	86.2	88.4	89.9	91.4	91.5	92.9	93.2	93.3	94.8	95.0	95.0	95.3	95.3	95.3	95.4
IV 200	81.9	86.2	88.4	89.9	91.5	91.6	93.0	93.3	93.4	95.2	95.5	95.6	95.9	95.9	96.0	96.1
IV 100	81.9	86.2	88.4	89.9	91.5	91.7	93.1	93.5	93.6	95.8	96.3	96.4	96.9	97.0	97.3	97.3
IV 0	81.9	86.2	88.4	89.9	91.5	91.7	93.1	93.5	93.6	95.9	96.4	96.5	97.2	97.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 3756

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

10043 FRISHER BAY MILITARY APT

42-49

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 25000	16.7	17.2	17.2	17.3	17.3	17.3	17.4	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.5	17.5
IV 15000	17.6	18.2	18.2	18.3	18.3	18.3	18.4	18.4	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
IV 14000	17.7	18.2	18.3	18.3	18.4	18.4	18.5	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6
IV 12000	17.9	18.4	18.5	18.5	18.6	18.6	18.6	18.7	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.8
IV 10000	19.0	19.5	19.6	19.6	19.7	19.7	19.7	19.8	19.8	19.8	19.9	19.9	19.9	19.9	19.9	19.9
IV 9000	19.7	20.4	20.5	20.5	20.5	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
IV 8000	20.2	20.7	21.0	21.0	21.0	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.3
IV 7000	21.3	22.0	22.0	22.1	22.1	22.1	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
IV 6000	22.4	23.3	23.4	23.4	23.5	23.5	23.6	23.6	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8
IV 5000	27.3	28.3	28.6	28.8	28.8	28.8	29.0	29.0	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.2
IV 4500	31.0	32.4	32.7	32.8	32.9	32.9	33.1	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV 4000	33.3	34.8	35.1	35.2	35.3	35.4	35.6	35.6	35.6	35.7	35.8	35.8	35.8	35.8	35.8	35.8
IV 3500	38.4	40.3	40.6	40.9	41.2	41.2	41.3	41.3	41.3	41.6	41.7	41.7	41.7	41.7	41.7	41.7
IV 3000	44.1	46.3	46.7	47.1	47.5	47.5	47.8	47.9	47.9	48.1	48.1	48.1	48.2	48.2	48.2	48.2
IV 2500	53.3	55.3	57.2	57.7	58.1	58.2	58.5	58.6	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9
IV 2000	60.8	63.2	66.2	66.8	67.4	67.5	67.8	67.9	67.9	68.3	68.4	68.4	68.4	68.4	68.5	68.5
IV 1800	68.3	74.2	75.8	76.6	77.4	77.5	78.1	78.2	78.2	78.7	78.8	78.8	78.9	78.9	78.9	78.9
IV 1500	69.4	75.6	77.2	78.1	79.0	79.1	79.6	79.8	79.8	80.3	80.4	80.4	80.5	80.5	80.5	80.6
IV 1200	72.9	80.1	82.2	83.3	84.4	84.6	85.4	85.6	85.6	86.4	86.5	86.5	86.7	86.7	86.7	86.7
IV 1000	74.3	81.9	84.1	85.3	86.6	86.7	87.6	87.9	87.9	88.7	88.9	88.9	89.0	89.0	89.1	89.1
IV 900	75.6	84.0	86.6	88.2	89.8	90.0	91.3	91.7	91.7	92.9	93.1	93.1	93.3	93.3	93.4	93.5
IV 800	75.6	84.2	86.9	88.4	90.2	90.4	91.8	92.2	92.2	93.4	93.7	93.7	93.9	93.9	94.0	94.1
IV 700	75.9	84.7	87.4	89.0	90.9	91.1	92.7	93.3	93.3	94.9	95.3	95.3	95.6	95.7	95.7	95.8
IV 600	75.9	84.8	87.5	89.1	91.1	91.3	92.9	93.5	93.7	95.2	95.6	95.6	96.0	96.0	96.1	96.2
IV 500	75.9	84.9	87.6	89.4	91.4	91.7	93.7	94.4	94.5	96.4	96.9	97.1	97.3	97.3	97.7	97.9
IV 400	75.9	84.9	87.6	89.4	91.3	91.8	93.7	94.3	94.6	96.3	97.1	97.3	97.7	97.8	98.0	98.2
IV 300	75.9	84.9	87.7	89.5	91.7	92.0	94.0	94.8	94.8	97.0	97.7	97.9	98.5	98.5	98.8	99.1
IV 200	75.9	84.9	87.7	89.5	91.7	92.0	94.0	94.8	95.0	97.2	98.0	98.2	98.9	98.9	99.4	99.7
IV 100	75.9	84.9	87.7	89.5	91.7	92.0	94.0	94.8	95.0	97.2	98.0	98.2	98.9	98.9	99.4	99.8
IV 0	75.9	84.9	87.7	89.5	91.7	92.0	94.0	94.8	95.0	97.2	98.0	98.2	98.9	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 5924

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

CEILING VERSUS VISIBILITY

16603 STATION NUMBER

FRIDISHER DAY NAT DUT APT

42-49

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LOCAL)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	21.3	22.0	23.0	23.1	23.4	23.4	23.6	23.6	23.6	23.8	23.9	23.9	23.9	23.9	24.0	24.0
≥ 20000	23.2	24.4	25.1	25.2	25.6	25.6	25.7	25.7	25.8	26.0	26.1	26.1	26.1	26.1	26.2	26.2
IV 18000	23.3	24.9	25.1	25.3	25.6	25.6	25.7	25.8	25.8	26.0	26.1	26.1	26.2	26.2	26.2	26.3
IV 16000	23.4	25.0	25.3	25.4	25.7	25.7	25.9	25.9	25.9	26.1	26.2	26.2	26.3	26.3	26.4	26.4
IV 14000	24.3	26.0	26.2	26.4	26.7	26.7	26.9	27.0	27.0	27.2	27.3	27.3	27.3	27.3	27.4	27.5
IV 12000	25.7	27.5	27.8	27.9	28.3	28.3	28.5	28.5	28.5	28.7	28.9	28.9	28.9	28.9	29.0	29.1
IV 10000	26.7	28.6	28.9	29.0	29.4	29.4	29.6	29.7	29.7	29.9	30.0	30.0	30.1	30.1	30.2	30.2
IV 9000	27.0	28.9	29.2	29.3	29.6	29.6	29.9	30.0	30.0	30.2	30.3	30.3	30.4	30.4	30.5	30.6
IV 8000	28.1	30.1	30.4	30.5	31.0	31.0	31.2	31.3	31.3	31.5	31.6	31.6	31.7	31.7	31.8	31.8
IV 7000	31.1	33.3	33.7	34.0	34.5	34.5	34.7	34.8	34.8	35.0	35.2	35.2	35.3	35.3	35.4	35.4
IV 6000	32.9	35.0	36.0	36.3	37.0	37.0	37.2	37.3	37.3	37.6	37.8	37.8	37.9	37.9	38.0	38.0
IV 5000	36.9	39.9	40.4	40.8	41.5	41.5	41.8	41.9	41.9	42.3	42.4	42.4	42.6	42.6	42.7	42.7
IV 4500	38.3	41.8	42.4	42.8	43.6	43.6	44.0	44.1	44.1	44.4	44.7	44.7	44.8	44.8	44.9	45.0
IV 4000	43.4	47.7	48.3	49.0	49.9	49.9	50.3	50.5	50.5	50.9	51.2	51.2	51.3	51.3	51.4	51.5
IV 3500	47.6	52.0	53.5	54.0	55.1	55.1	55.6	55.8	55.8	56.3	56.5	56.5	56.7	56.8	56.9	56.9
IV 3000	53.3	60.0	61.5	62.2	63.6	63.6	64.3	64.6	64.6	65.3	65.6	65.6	65.8	65.9	66.0	66.1
IV 2500	58.6	66.9	68.9	69.8	71.4	71.4	72.5	72.9	73.0	73.8	74.1	74.1	74.3	74.4	74.5	74.6
IV 2000	63.3	73.2	76.4	77.7	79.8	79.8	81.4	82.1	82.2	83.2	83.6	83.6	83.8	83.9	84.0	84.0
IV 1800	63.7	74.0	77.3	78.7	80.8	80.9	82.5	83.2	83.3	84.4	84.7	84.7	85.0	85.1	85.2	85.2
IV 1600	65.0	76.2	80.0	81.5	84.2	84.3	86.3	87.2	87.3	88.9	89.2	89.3	89.7	89.8	89.9	90.1
IV 1400	65.6	77.1	80.9	82.5	85.4	85.6	87.6	88.5	88.7	90.4	90.8	90.8	91.3	91.4	91.5	91.6
IV 1200	65.9	77.6	81.7	83.4	87.0	87.1	89.5	90.5	90.7	92.8	93.3	93.3	93.9	94.1	94.2	94.4
IV 1000	65.9	77.7	81.8	83.5	87.2	87.3	89.7	90.8	91.0	93.1	93.7	93.7	94.3	94.4	94.4	94.8
IV 900	66.1	77.9	82.0	83.7	87.5	87.6	90.1	91.3	91.5	93.8	94.3	94.3	95.1	95.2	95.4	95.6
IV 800	66.1	77.9	82.0	83.8	87.6	87.7	90.2	91.5	91.7	94.1	94.7	94.7	95.4	95.6	95.8	96.0
IV 700	66.1	77.9	82.0	83.8	87.6	87.8	90.3	91.6	91.8	94.2	94.9	95.0	95.8	95.9	96.1	96.3
IV 600	66.1	77.9	82.0	83.8	87.7	87.8	90.3	91.6	91.8	94.2	94.9	95.0	95.8	95.9	96.1	96.3
IV 500	66.1	77.9	82.0	83.8	87.7	87.8	90.3	91.6	91.8	94.2	94.9	95.0	95.8	95.9	96.1	96.3
IV 400	66.1	77.9	82.0	83.8	87.7	87.8	90.3	91.6	91.8	94.2	94.9	95.0	95.8	95.9	96.1	96.3
IV 300	66.1	77.9	82.0	83.8	87.7	87.8	90.3	91.6	91.8	94.2	94.9	95.0	95.8	95.9	96.1	96.3
IV 200	66.1	77.9	82.0	83.8	87.7	87.8	90.3	91.6	91.8	94.2	94.9	95.0	95.8	95.9	96.1	96.3
IV 100	66.1	77.9	82.0	83.8	87.7	87.8	90.3	91.6	91.8	94.2	94.9	95.0	95.8	95.9	96.1	96.3
IV 0	66.1	77.9	82.0	83.8	87.7	87.8	90.3	91.6	91.8	94.2	94.9	95.0	95.8	95.9	96.1	96.3

TOTAL NUMBER OF OBSERVATIONS 2247

DATA PROCESSING DIVISION
ETAC, 1001
SPRINGFIELD, O. 45501

CEILING VERSUS VISIBILITY

16603 FORT LINDER HAY CUT OUT ART

62-49

YEARS

CLC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4-1

HOURLY RATE

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	34.9	17.4	37.9	38.3	34.3	39.3	40.6	40.1	40.2	40.8	41.0	41.0	41.4	41.4	41.4	41.5
≥ 20000	35.4	18.4	38.5	40.0	40.9	41.0	41.6	41.0	41.8	42.3	42.6	42.6	43.0	43.0	43.1	43.2
≥ 18000	36.5	19.0	39.6	40.0	41.0	41.1	41.7	41.8	41.9	42.6	42.7	42.7	43.1	43.1	43.2	43.3
≥ 16000	36.6	19.1	39.7	40.1	41.1	41.2	41.8	41.9	42.0	42.7	42.8	42.8	43.2	43.2	43.3	43.4
≥ 14000	37.4	40.0	40.6	41.0	42.0	42.1	42.7	42.8	42.9	43.6	43.7	43.7	44.1	44.1	44.2	44.3
≥ 12000	38.9	41.0	42.2	42.7	43.6	43.7	44.3	44.3	44.5	45.2	45.3	45.3	45.7	45.7	45.8	45.9
≥ 10000	39.9	43.0	43.6	44.1	45.0	45.1	45.7	45.9	45.9	46.6	46.7	46.7	47.1	47.1	47.2	47.3
≥ 9000	40.2	43.3	44.0	44.4	45.4	45.5	46.1	46.2	46.3	47.0	47.1	47.1	47.5	47.5	47.6	47.7
≥ 8000	41.2	44.4	45.1	45.5	46.5	46.6	47.2	47.4	47.4	48.1	48.2	48.2	48.6	48.7	48.7	48.9
≥ 7000	43.8	47.4	48.4	48.9	49.9	50.0	50.7	50.8	50.9	51.6	51.7	51.7	52.1	52.2	52.3	52.4
≥ 6000	46.0	50.4	51.6	52.2	53.3	53.3	54.2	54.3	54.4	55.1	55.3	55.3	55.8	55.8	55.9	56.1
≥ 5000	48.9	54.2	55.6	56.2	57.5	57.5	58.5	58.6	58.7	59.5	59.7	59.7	60.1	60.2	60.3	60.5
≥ 4500	50.1	55.8	57.3	58.1	59.3	59.5	60.5	60.6	60.7	61.3	61.7	61.7	62.2	62.2	62.4	62.6
≥ 4000	53.0	59.9	61.8	62.8	64.3	64.4	65.6	65.8	65.9	66.8	67.0	67.1	67.5	67.6	67.8	68.0
≥ 3500	55.3	62.9	65.2	66.3	68.0	68.2	69.4	69.7	69.7	70.8	71.0	71.0	71.5	71.6	71.8	72.0
≥ 3000	59.2	68.0	70.7	72.0	73.9	74.1	75.6	75.9	76.0	77.2	77.4	77.4	77.9	78.0	78.3	78.4
≥ 2500	61.2	70.7	73.9	75.4	77.7	78.1	79.6	80.1	80.2	81.6	81.8	81.9	82.4	82.5	82.8	83.1
≥ 2000	63.1	73.2	76.9	78.9	81.7	82.0	84.0	84.7	84.8	86.4	86.6	86.7	87.4	87.4	87.7	88.1
≥ 1800	63.6	73.7	77.5	79.6	82.4	82.8	84.8	85.5	85.6	87.2	87.5	87.5	88.2	88.3	88.6	89.0
≥ 1500	64.2	74.2	78.7	80.9	84.1	84.0	86.8	87.7	87.9	89.9	90.3	90.3	91.1	91.2	91.5	91.9
≥ 1200	64.5	74.4	79.1	81.4	84.6	85.1	87.4	88.3	88.5	90.6	91.0	91.1	91.9	92.0	92.3	92.7
≥ 1000	64.6	74.4	79.4	81.7	85.1	85.0	88.0	89.1	89.3	91.8	92.4	92.6	93.7	93.8	94.3	94.8
≥ 900	64.6	74.4	79.4	81.7	85.1	85.7	88.0	89.1	89.3	91.9	92.6	92.7	93.8	93.9	94.3	94.8
≥ 800	64.6	74.4	79.5	81.9	85.3	85.8	88.2	89.3	89.5	92.3	93.0	93.1	94.3	94.4	94.9	95.2
≥ 700	64.6	74.4	79.6	81.9	85.3	85.9	88.3	89.4	89.6	92.4	93.1	93.2	94.3	94.5	95.0	95.6
≥ 600	64.6	74.4	79.6	82.0	85.4	85.9	88.3	89.4	89.7	92.6	93.4	93.4	94.7	94.8	95.3	96.0
≥ 500	64.6	74.4	79.6	82.0	85.4	85.9	88.3	89.4	89.7	92.7	93.5	93.5	94.9	95.0	95.7	96.4
≥ 400	64.6	74.4	79.6	82.0	85.4	85.9	88.4	89.5	89.7	92.9	93.7	93.7	95.1	95.2	95.9	96.6
≥ 300	64.6	74.4	79.6	82.0	85.4	85.9	88.4	89.5	89.7	92.9	93.7	93.8	95.1	95.2	96.1	96.8
≥ 200	64.6	74.4	79.6	82.0	85.4	86.0	88.4	89.5	89.7	92.9	93.7	93.8	95.1	95.2	96.2	96.9
≥ 100	64.6	74.4	79.6	82.0	85.4	86.0	88.4	89.5	89.7	93.0	93.8	93.8	95.2	95.4	96.3	97.0
≥ 0	64.6	74.4	79.6	82.0	85.4	86.0	88.4	89.6	89.8	93.1	94.0	94.0	95.5	95.6	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 4998

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

CEILING VERSUS VISIBILITY

16603 FROBISHER BAY NWT DOT APT

43-50

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ 0
NO CEILING ≥ 20000	47.7 48.0	49.7 50.1	50.1 50.4	50.9 51.3	51.8 52.1	51.8 52.1	52.8 53.2	53.0 53.3	53.0 53.3	53.9 54.2	54.0 54.4	54.0 54.4	54.7 55.1	54.7 55.1	55.2 55.6	55.4 55.7
WV 18000 16000	48.0 48.0	50.1 50.4	50.4 51.3	51.3 52.1	52.1 52.1	53.2 53.2	53.3 53.3	54.2 54.2	54.4 54.4	54.4 54.4	55.1 55.1	55.1 55.1	55.6 55.6	55.6 55.6	55.7 55.7	55.7 55.7
WV 14000 12000	49.1 50.3	51.1 52.3	51.5 52.7	52.3 53.5	53.2 54.5	53.2 54.5	54.7 55.7	54.4 55.9	54.4 55.9	55.2 56.0	55.4 56.9	55.4 56.9	56.1 57.6	56.1 57.6	56.6 58.1	56.4 58.3
WV 10000 9000	50.9 51.6	53.0 53.9	53.3 54.2	54.2 55.1	55.2 56.1	55.2 56.1	56.4 57.3	56.6 57.5	56.6 57.5	57.5 58.3	57.0 58.3	57.0 58.3	58.3 59.2	58.3 59.2	58.8 59.7	59.0 59.9
WV 8000 7000	53.5 54.9	56.1 57.8	56.4 58.1	57.3 59.0	58.5 60.4	58.5 60.4	59.7 61.7	59.9 61.9	59.9 61.9	60.7 62.8	60.9 63.0	60.9 63.0	61.6 63.6	61.6 63.6	62.1 64.2	62.3 64.3
WV 6000 5000	56.8 57.3	60.7 63.6	61.2 64.2	62.8 65.9	64.7 67.9	64.7 67.9	66.0 69.6	66.4 70.0	66.4 70.0	67.6 71.2	67.8 71.4	67.8 71.4	68.4 72.2	68.4 72.2	69.0 72.9	69.1 73.2
WV 4500 4000	60.7 62.3	65.5 67.8	66.0 68.3	67.8 70.0	70.0 72.2	70.0 72.2	71.7 74.1	72.0 74.4	72.0 74.4	73.4 75.8	73.6 76.0	73.6 76.0	74.4 76.8	74.4 76.8	75.1 77.5	75.3 77.9
WV 3500 3000	64.0 66.4	70.3 73.8	71.0 74.4	72.7 76.2	75.3 79.1	75.3 79.1	77.2 81.0	77.5 81.3	77.5 81.3	79.0 82.4	79.9 83.7	79.9 83.7	81.1 84.9	81.1 84.9	81.9 85.6	82.2 85.9
WV 2500 2000	67.8 69.1	76.0 77.7	77.0 78.7	78.7 80.6	81.8 83.9	81.8 83.9	84.0 86.1	84.4 86.4	84.4 86.4	86.4 88.5	86.8 88.9	86.8 88.9	88.0 90.1	88.0 90.1	88.7 91.1	89.0 91.4
WV 1800 1500	69.5 69.5	78.0 78.2	79.1 79.2	81.0 81.1	84.2 84.4	84.2 84.4	86.4 87.3	86.8 87.7	86.8 87.7	88.9 89.7	89.2 90.1	89.2 90.1	90.4 91.3	90.4 91.3	91.4 92.3	91.8 92.6
WV 1200 1000	69.5 69.5	78.6 78.7	79.6 79.8	81.5 81.6	85.1 85.2	85.1 85.2	88.0 88.3	88.3 88.7	88.3 88.9	90.4 90.9	90.7 91.3	90.7 91.3	91.9 92.3	91.9 92.3	93.0 93.5	93.3 93.8
WV 900 800	69.8 70.0	79.1 79.2	80.1 80.3	82.0 82.2	85.6 85.8	85.6 85.8	88.7 88.9	89.0 89.2	89.2 89.4	91.3 91.9	91.6 92.3	91.6 92.3	92.8 93.3	92.8 93.3	93.8 94.3	94.2 94.9
WV 700 600	70.0 70.0	79.2 79.2	80.3 80.3	82.2 82.2	85.8 85.8	85.8 85.8	88.9 89.2	89.2 89.4	89.4 89.4	91.9 91.9	92.3 92.3	92.3 92.3	93.3 93.3	93.3 93.3	94.3 94.3	94.9 94.9
WV 500 400	70.0 70.0	79.2 79.2	80.3 80.3	82.2 82.2	85.8 85.8	85.8 85.8	89.7 89.7	89.9 89.9	89.9 89.9	93.0 93.0	93.5 93.5	93.5 93.5	94.9 94.9	94.9 94.9	96.2 96.2	96.6 96.6
WV 300 200	70.2 70.2	79.4 79.4	80.4 80.4	82.3 82.3	85.9 85.9	85.9 85.9	89.4 89.4	89.7 89.7	89.9 89.9	93.1 93.1	93.7 93.7	93.7 93.7	95.0 95.0	95.0 95.0	96.4 96.4	96.7 96.7
WV 100 0	70.2 70.2	79.4 79.4	80.4 80.4	82.3 82.3	85.9 85.9	85.9 85.9	89.4 89.4	89.7 89.7	89.9 89.9	93.1 93.1	93.7 93.7	93.7 93.7	95.0 95.0	95.0 95.0	96.4 96.4	96.9 100.0

TOTAL NUMBER OF OBSERVATIONS 363

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

CEILING VERSUS VISIBILITY

STATION 16601 PUBLISHED DAY 1-1-71 APT 43-50 YEARS 10 MONTH 10
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)
0-100-0300

CEILING FEET	VISIBILITY - STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .2	≥ 0
NO CEILING ≥ 20000	43.6	46.2	46.7	47.8	47.8	47.8	47.9	48.1	48.1	50.0	50.7	50.7	51.2	51.2	51.2	51.2
IV 18000	45.2	47.9	48.4	49.5	49.5	49.5	49.7	49.8	49.8	51.7	52.4	52.4	52.9	52.9	52.9	52.9
IV 16000	45.2	47.9	48.4	49.5	49.5	49.5	49.7	49.8	49.8	51.7	52.4	52.4	52.9	52.9	52.9	52.9
IV 14000	46.9	49.7	50.7	51.2	51.2	51.2	51.4	51.6	51.6	53.4	54.1	54.1	54.7	54.7	54.7	54.7
IV 12000	47.9	50.7	51.2	52.2	52.2	52.2	52.4	52.6	52.6	54.5	55.2	55.2	55.7	55.7	55.7	55.7
IV 10000	48.3	51.7	52.2	53.3	53.3	53.3	53.4	53.6	53.6	55.5	56.2	56.2	56.7	56.7	56.7	56.7
IV 9000	49.0	52.4	52.9	54.0	54.0	54.0	54.1	54.3	54.3	56.2	56.9	56.9	57.4	57.4	57.4	57.4
IV 8000	50.5	54.1	54.7	55.7	55.7	55.7	56.0	56.2	56.2	58.1	58.8	58.8	59.3	59.3	59.3	59.3
IV 7000	53.6	57.4	58.3	59.3	59.3	59.3	59.7	59.8	59.8	61.7	62.4	62.4	62.9	62.9	62.9	62.9
IV 6000	55.9	60.5	61.2	62.4	62.6	62.6	63.1	63.3	63.3	65.2	65.9	65.9	66.4	66.4	66.4	66.4
IV 5000	59.3	64.3	65.2	66.6	66.7	66.7	67.6	67.8	67.8	69.7	70.3	70.3	71.0	71.0	71.0	71.0
IV 4500	59.8	65.3	66.4	67.8	67.9	68.1	68.8	69.0	69.0	71.4	72.1	72.1	72.8	72.8	72.8	73.3
IV 4000	62.2	68.6	70.3	72.1	72.2	72.4	73.3	73.6	73.6	76.0	76.7	76.7	77.4	77.4	77.4	77.9
IV 3500	63.1	70.5	72.6	74.3	74.7	74.8	75.9	76.7	76.7	79.3	81.0	81.0	81.7	81.7	81.7	82.2
IV 3000	66.7	75.2	77.2	79.1	80.5	80.7	81.7	82.6	82.6	85.2	86.9	86.9	87.6	87.6	87.6	88.1
IV 2500	67.6	76.7	79.1	81.2	82.9	83.1	84.1	85.0	85.2	87.8	89.5	89.5	90.2	90.2	90.2	90.7
IV 2000	69.3	77.8	80.3	82.4	84.1	84.3	85.3	86.2	86.4	89.0	90.7	90.7	91.4	91.4	91.7	92.2
IV 1800	68.3	77.8	80.3	82.4	84.5	84.7	85.7	86.6	86.7	89.3	91.0	91.0	91.7	91.7	92.1	92.6
IV 1500	68.3	77.8	80.3	82.4	84.7	84.8	85.9	87.2	87.4	90.0	91.7	91.7	92.6	92.6	92.9	93.4
IV 1200	68.6	78.4	81.0	83.1	85.3	85.5	86.6	87.9	88.1	90.7	92.4	92.4	93.3	93.3	93.6	94.1
IV 1000	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2
IV 900	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2
IV 800	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2
IV 700	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2
IV 600	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2
IV 500	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2
IV 400	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2
IV 300	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2
IV 200	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2
IV 100	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2
IV 0	69.3	79.1	81.7	83.8	86.0	86.2	87.4	88.8	89.0	91.6	93.3	93.3	94.1	94.1	94.5	95.2

TOTAL NUMBER OF OBSERVATIONS 580

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

CEILING VERSUS VISIBILITY

16603 STATION NAME: KROBISHER DAY AFB DDT APT

43-50

YEARS

1A MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600
MONTH (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	41.3	43.2	43.8	44.0	44.1	44.3	44.6	44.6	44.6	46.3	46.5	46.5	46.8	46.8	46.9	46.8
IV 20000	40.4	43.4	44.0	44.1	44.3	44.4	44.9	44.9	44.9	46.6	46.8	46.8	47.1	47.1	47.1	47.1
IV 18000	40.4	43.4	44.0	44.1	44.3	44.4	44.9	44.9	44.9	46.6	46.8	46.8	47.1	47.1	47.1	47.1
IV 16000	41.2	44.1	44.8	44.9	45.1	45.2	45.7	45.7	45.7	47.4	47.5	47.5	47.8	47.8	47.8	47.8
IV 14000	42.0	44.9	45.5	45.7	45.8	46.0	46.5	46.5	46.5	48.1	48.3	48.3	48.6	48.6	48.6	48.6
IV 12000	43.1	46.5	47.2	47.4	47.7	47.8	48.3	48.5	48.5	50.2	50.3	50.3	50.6	50.6	50.6	50.6
IV 10000	44.0	47.7	48.5	48.6	48.9	49.1	49.5	49.7	49.7	51.4	51.5	51.5	51.9	51.9	51.9	51.9
IV 8000	46.1	50.2	51.1	51.2	51.5	51.7	52.3	52.5	52.5	54.5	54.6	54.6	54.9	54.9	54.9	55.1
IV 7000	48.1	52.6	53.5	53.7	54.0	54.2	54.8	55.1	55.1	57.1	57.3	57.3	57.7	57.7	57.7	57.7
IV 6000	49.7	54.9	55.9	56.0	56.3	56.5	57.1	57.4	57.4	59.4	59.6	59.6	60.0	60.0	60.0	60.2
IV 5000	53.7	60.0	61.6	61.7	62.5	62.8	63.4	63.7	63.7	65.9	66.0	66.0	66.8	66.8	66.8	67.3
IV 4500	54.3	60.8	62.3	62.7	63.6	63.9	64.5	64.8	64.8	67.0	67.1	67.1	67.9	67.9	67.9	68.4
IV 4000	56.0	64.0	65.7	66.4	67.3	67.6	68.4	68.7	68.7	70.8	71.0	71.0	71.8	71.8	71.8	72.2
IV 3500	57.4	66.2	68.4	69.0	69.9	70.2	71.1	71.5	71.5	73.9	74.5	74.5	75.3	75.3	75.3	75.8
IV 3000	59.4	69.8	72.2	73.1	74.1	74.5	75.8	76.4	76.4	79.0	79.9	79.9	80.9	80.9	80.9	81.2
IV 2500	62.3	73.3	75.9	77.0	78.1	78.5	79.8	80.6	80.6	83.2	84.3	84.3	85.2	85.2	85.2	85.0
IV 2000	63.4	75.2	77.8	78.9	80.7	81.4	83.0	84.3	84.3	86.9	88.0	88.0	89.4	89.4	89.4	89.8
IV 1800	63.4	75.2	77.8	78.9	80.7	81.4	83.0	84.3	84.3	86.9	88.0	88.0	89.4	89.4	89.4	89.8
IV 1500	63.9	75.8	78.5	79.6	81.5	82.1	84.1	85.0	85.6	88.4	89.5	89.5	90.9	90.9	90.9	91.4
IV 1200	64.0	75.9	78.7	79.8	81.6	82.3	84.3	85.8	85.8	88.6	89.7	89.7	91.0	91.0	91.0	91.5
IV 1000	64.5	77.2	80.1	81.2	83.0	83.6	85.8	87.3	87.3	90.3	91.4	91.4	92.9	92.9	92.9	93.5
IV 900	64.5	77.3	80.2	81.3	83.2	83.8	86.0	87.8	87.8	90.9	92.1	92.1	93.7	93.7	93.7	94.0
IV 800	64.5	77.3	80.2	81.3	83.2	83.8	86.0	87.8	87.8	90.9	92.1	92.1	93.7	93.7	93.7	94.0
IV 700	64.5	77.3	80.2	81.3	83.2	83.8	86.0	87.8	87.8	91.0	92.3	92.3	93.8	93.8	93.8	94.8
IV 600	64.5	77.3	80.2	81.3	83.2	83.8	86.0	87.8	87.8	91.0	92.3	92.3	93.8	93.8	93.8	94.8
IV 500	64.5	77.3	80.2	81.3	83.2	83.8	86.0	87.8	87.8	92.0	93.4	93.4	95.2	95.2	95.2	96.3
IV 400	64.5	77.3	80.2	81.3	83.2	83.8	86.0	87.8	87.8	92.0	93.5	93.5	95.4	95.4	95.4	96.5
IV 300	64.5	77.3	80.2	81.3	83.2	83.8	86.0	87.8	87.8	92.0	93.5	93.5	95.4	95.4	95.4	96.5
IV 200	64.5	77.3	80.2	81.3	83.2	83.8	86.0	87.8	87.8	92.1	93.7	93.7	95.7	95.7	95.7	96.9
IV 100	64.5	77.3	80.2	81.3	83.2	83.8	86.0	87.8	87.8	92.1	93.7	93.7	95.7	95.7	95.7	97.1
IV 0	64.5	77.3	80.2	81.3	83.2	83.8	86.0	87.8	87.8	92.1	93.7	93.7	95.7	95.7	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 64H

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

CEILING VERSUS VISIBILITY

16603 STATION FERNBUSHER BAY NAT BRT APT

43-50

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-1100
HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	35.6	38.0	38.7	39.0	39.1	39.3	39.6	39.6	39.6	39.9	40.0	40.0	40.6	40.6	40.7	41.2
IV 20000	37.5	40.9	41.1	41.3	41.6	41.8	42.2	42.4	42.6	42.7	43.0	43.0	43.3	43.7	43.7	44.1
IV 18000	37.7	41.1	41.2	41.5	41.9	42.1	42.5	42.7	42.7	43.0	43.3	43.3	43.8	44.0	44.0	44.4
IV 16000	38.3	41.0	41.8	42.1	42.5	42.7	43.1	43.2	43.3	43.5	43.8	43.8	44.4	44.6	44.6	45.0
IV 14000	40.8	44.1	44.3	44.6	45.0	45.2	45.6	45.7	45.7	46.0	46.3	46.3	46.9	47.1	47.1	47.5
IV 12000	41.8	45.2	45.2	45.6	46.0	46.2	46.6	46.8	46.9	47.1	47.4	47.4	48.1	48.2	48.2	48.7
IV 10000	43.0	46.3	46.3	46.8	47.4	47.5	47.9	48.1	48.2	48.5	48.8	48.8	49.7	49.9	49.9	50.3
IV 9000	43.7	47.2	47.4	47.8	48.4	48.7	49.1	49.3	49.4	49.7	50.0	50.0	50.9	51.0	51.0	51.5
IV 8000	46.5	50.4	50.6	51.3	52.1	52.3	53.1	53.4	53.5	53.8	54.3	54.3	55.1	55.3	55.3	55.7
IV 7000	49.9	54.8	54.1	55.3	56.2	56.5	57.2	57.6	57.8	58.2	58.7	58.7	59.5	59.7	59.7	60.1
IV 6000	51.6	57.0	58.1	59.4	60.3	60.6	61.4	61.9	62.0	62.5	62.9	62.9	63.8	63.9	63.9	64.4
IV 5000	54.4	60.0	61.3	62.8	63.8	64.2	65.1	65.5	65.7	66.3	66.9	66.9	67.9	68.0	68.0	68.5
IV 4500	54.4	60.6	61.9	63.5	64.7	65.1	66.0	66.4	66.6	67.3	67.9	67.9	69.2	69.4	69.4	69.8
IV 4000	55.4	62.3	63.0	64.6	65.3	65.8	66.8	67.0	67.2	68.1	68.7	68.7	70.1	70.3	70.3	70.8
IV 3500	56.3	63.8	64.4	66.3	67.1	67.5	68.5	68.8	69.0	70.0	70.3	70.3	71.8	72.0	72.0	72.5
IV 3000	57.9	66.0	66.8	68.8	69.6	70.0	71.0	71.3	71.5	72.5	72.8	72.8	74.3	74.5	74.5	75.0
IV 2500	58.9	67.4	70.5	73.0	73.7	74.5	75.5	75.8	76.0	77.0	77.3	77.3	78.8	79.0	79.0	79.5
IV 2000	60.6	69.6	73.0	75.5	76.3	76.8	77.8	78.1	78.3	79.3	79.6	79.6	81.1	81.3	81.3	81.8
IV 1800	60.9	69.9	73.3	75.8	79.0	80.1	82.1	83.0	84.0	86.2	87.1	87.1	89.1	89.3	89.3	89.7
IV 1500	61.1	70.3	73.9	76.3	79.8	80.8	82.8	84.8	85.2	87.5	88.4	88.4	90.3	90.3	90.3	90.8
IV 1200	61.1	70.3	73.9	76.3	79.8	80.8	82.8	84.8	85.2	87.5	88.4	88.4	90.3	90.3	90.3	90.8
IV 1000	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8
IV 900	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8
IV 800	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8
IV 700	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8
IV 600	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8
IV 500	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8
IV 400	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8
IV 300	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8
IV 200	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8
IV 100	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8
IV 0	61.6	71.4	74.8	77.4	80.9	82.0	84.5	86.4	86.8	89.1	90.0	90.0	92.2	92.4	92.4	92.8

TOTAL NUMBER OF OBSERVATIONS 682

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

CEILING VERSUS VISIBILITY

16003 STATION ENTERPRISE WAY NWT OUT APT

43-30

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .3	≥ .16	≥ .1	≥ 0
NO CEILING ≥ 20000	39.4	42.1	42.7	42.7	43.3	43.5	43.5	43.7	43.7	44.1	44.7	44.7	45.3	45.5	45.9	46.9
IV 18000	39.7	43.5	44.1	44.1	44.7	45.0	45.0	45.2	45.2	45.6	46.2	46.2	47.1	47.1	47.5	48.5
IV 16000	39.9	43.7	44.3	44.3	44.9	45.2	45.2	45.3	45.3	45.7	46.3	46.3	47.2	47.2	47.7	48.7
IV 14000	40.9	44.1	45.3	45.3	45.9	46.2	46.2	46.3	46.3	46.8	47.4	47.4	48.2	48.2	48.7	49.7
IV 12000	42.8	46.8	47.4	47.4	47.9	48.2	48.2	48.3	48.3	49.0	49.6	49.6	50.4	50.4	50.9	51.9
IV 10000	44.6	48.5	49.1	49.9	50.6	51.0	51.2	51.3	51.3	51.8	52.5	52.6	53.5	53.5	54.0	55.0
IV 9000	44.7	48.7	49.3	50.0	50.7	51.2	51.3	51.5	51.5	51.9	52.6	52.8	53.7	53.7	54.1	55.1
IV 8000	47.2	51.9	52.6	53.4	54.4	54.8	55.0	55.3	55.3	55.7	56.6	56.7	57.6	57.6	58.1	59.1
IV 7000	52.2	57.5	58.4	59.5	60.9	61.4	61.6	61.9	61.9	62.5	63.3	63.5	64.5	64.7	65.1	66.1
IV 6000	54.5	61.1	62.3	63.6	65.0	65.5	65.8	66.1	66.1	67.0	67.9	68.0	69.2	69.4	69.8	70.8
IV 5000	56.3	63.3	65.1	66.4	68.0	68.4	69.5	69.8	69.8	70.8	71.7	72.0	73.5	73.6	74.0	75.1
IV 4500	56.5	63.5	65.7	66.7	68.3	69.2	69.9	70.2	70.2	71.3	72.1	72.4	73.9	74.0	74.5	75.5
IV 4000	57.3	64.4	67.0	68.6	70.7	71.4	72.1	72.4	72.4	73.6	74.5	74.9	76.2	76.4	76.8	77.9
IV 3500	57.9	66.0	68.2	70.1	72.1	72.9	73.6	73.9	74.0	75.2	76.1	76.4	77.9	78.0	78.4	79.5
IV 3000	59.4	68.0	70.2	72.3	74.5	75.4	77.4	77.9	78.2	79.6	80.5	81.1	82.6	82.7	83.1	84.6
IV 2500	60.0	69.1	71.6	73.8	76.1	77.1	79.6	80.4	80.6	82.3	83.3	83.9	85.3	85.5	85.9	87.4
IV 2000	61.3	70.2	73.3	75.5	78.3	79.3	82.4	83.4	83.7	85.6	86.7	87.2	88.7	88.9	89.3	90.8
IV 1800	61.4	70.7	73.5	75.7	78.4	79.5	82.6	83.7	84.0	86.1	87.1	87.7	89.1	89.3	89.7	91.2
IV 1500	62.2	71.6	74.5	76.7	79.8	80.8	84.0	85.5	85.8	88.0	89.0	89.6	91.2	91.3	91.8	93.3
IV 1200	62.2	71.6	74.5	76.7	79.8	80.8	84.2	85.6	85.9	88.1	89.1	89.7	91.3	91.5	91.9	93.4
IV 1000	62.2	71.6	74.8	77.1	80.6	81.7	85.0	86.5	86.8	89.3	90.3	90.9	93.0	93.1	93.5	95.3
IV 900	62.2	71.6	74.8	77.1	80.6	81.7	85.0	86.5	86.8	89.3	90.3	90.9	93.0	93.1	93.5	95.3
IV 800	62.2	71.6	74.8	77.1	80.6	81.7	85.0	86.5	86.8	89.3	90.3	90.9	93.0	93.1	93.5	95.3
IV 700	62.2	71.6	74.8	77.3	80.8	81.8	85.2	86.7	87.0	89.6	90.6	91.2	93.3	93.7	94.1	95.9
IV 600	62.2	71.6	74.8	77.3	80.8	81.8	85.2	86.7	87.0	89.6	90.6	91.2	93.3	93.7	94.1	95.9
IV 500	62.2	71.6	74.8	77.3	80.8	81.8	85.2	86.7	87.0	89.7	90.9	91.5	93.8	94.0	94.4	96.2
IV 400	62.2	71.6	74.8	77.3	80.8	81.8	85.2	86.7	87.0	89.7	90.9	91.5	93.8	94.0	94.4	96.2
IV 300	62.2	71.6	74.8	77.3	80.8	81.8	85.2	86.8	87.1	90.0	91.2	91.8	94.1	94.3	94.6	96.3
IV 200	62.2	71.6	74.8	77.3	80.8	81.8	85.2	86.8	87.1	90.2	91.3	91.9	94.3	94.4	94.6	96.3
IV 100	62.2	71.6	74.8	77.3	80.8	81.8	85.2	86.8	87.1	90.2	91.3	91.9	94.3	94.4	94.6	96.3
IV 0	62.2	71.6	74.8	77.3	80.8	81.8	85.2	86.8	87.1	90.2	91.3	91.9	94.3	94.4	94.6	96.3

TOTAL NUMBER OF OBSERVATIONS 682

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

CEILING VERSUS VISIBILITY

16603 STATION FRANKLIN DAY DAY APT

43-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	41.9	43.4	46.0	46.1	46.4	46.6	47.3	47.4	47.6	48.3	49.3	49.3	49.6	49.6	49.9	50.5
IV 18000	42.4	46.0	46.5	46.7	47.0	47.0	47.9	48.0	48.2	48.9	49.7	49.9	50.2	50.2	50.5	51.1
IV 16000	42.6	46.1	46.7	46.8	47.1	47.1	48.0	48.2	48.3	49.0	50.1	50.1	50.4	50.4	50.7	51.2
IV 14000	43.8	47.3	47.9	48.0	48.3	48.3	49.2	49.3	49.5	50.2	51.2	51.2	51.5	51.5	51.8	52.4
IV 12000	44.8	48.3	49.0	49.2	49.5	49.5	50.4	50.5	50.7	51.4	52.4	52.4	52.7	52.7	53.0	53.6
IV 10000	45.1	49.2	49.9	50.2	50.5	50.7	51.7	51.8	52.0	52.9	54.0	54.2	54.5	54.5	54.8	55.4
IV 9000	45.2	49.3	50.1	50.4	50.7	50.8	51.8	52.0	52.1	53.0	54.2	54.3	54.6	54.6	54.9	55.5
IV 8000	46.8	52.0	53.0	53.6	53.9	54.2	55.2	55.4	55.5	56.4	57.6	58.0	58.3	58.3	58.6	59.2
IV 7000	50.8	56.2	57.3	58.1	58.4	58.7	60.2	60.3	60.6	61.3	62.7	63.1	63.4	63.4	63.7	64.3
IV 6000	53.0	59.2	60.6	61.5	62.1	62.4	63.9	64.3	64.5	65.3	66.3	67.0	67.3	67.3	67.5	68.3
IV 5000	56.5	64.3	65.9	67.0	67.5	67.8	69.5	69.9	70.0	71.4	72.3	73.0	73.7	73.7	74.0	74.7
IV 4500	56.7	64.8	66.5	67.5	68.3	68.6	70.2	70.6	70.8	72.1	73.3	73.7	74.4	74.4	74.7	75.5
IV 4000	58.0	66.8	69.8	70.8	71.8	72.1	73.9	74.4	74.6	75.9	77.1	77.2	78.3	78.3	78.6	79.3
IV 3500	58.4	67.5	70.5	71.5	72.7	73.1	74.9	75.5	75.6	76.9	78.1	78.6	79.4	79.4	79.7	80.5
IV 3000	58.7	68.4	71.7	72.8	74.3	75.2	77.8	78.7	78.9	80.8	81.9	82.4	83.3	83.3	83.6	84.7
IV 2500	59.2	69.2	72.4	74.0	75.6	76.7	79.9	80.9	81.1	83.3	84.4	84.9	85.8	85.8	86.0	87.2
IV 2000	59.8	69.9	73.6	75.2	76.8	77.8	81.5	83.0	83.1	85.8	86.9	87.8	88.8	89.1	89.4	90.6
IV 1800	59.8	69.9	73.6	75.2	76.8	77.8	81.5	83.0	83.1	85.8	86.9	87.8	88.8	89.1	89.4	90.6
IV 1500	59.9	70.8	74.6	76.2	77.8	78.9	83.1	84.6	84.7	87.4	88.3	89.4	90.5	90.7	91.0	92.2
IV 1200	59.9	70.8	74.6	76.2	78.0	79.0	83.4	84.9	85.0	87.7	88.8	89.7	90.7	91.0	91.3	92.5
IV 1000	59.9	71.4	75.2	76.8	79.0	80.0	84.9	86.5	86.6	89.7	90.9	91.9	93.0	93.2	93.5	94.9
IV 900	59.9	71.4	75.2	76.8	79.0	80.0	84.9	86.5	86.6	89.7	90.9	91.9	93.0	93.2	93.5	94.9
IV 800	59.9	71.4	75.2	76.8	79.0	80.0	84.9	86.5	86.6	89.7	90.9	91.9	93.0	93.2	93.5	94.9
IV 700	59.9	71.4	75.2	76.8	79.0	80.0	84.9	86.5	86.6	89.7	90.9	91.9	93.0	93.2	93.5	94.9
IV 600	59.9	71.7	75.5	77.1	79.3	80.3	85.3	86.9	87.1	90.6	91.8	92.8	94.1	94.4	94.7	96.0
IV 500	59.9	71.7	75.5	77.1	79.3	80.3	85.3	86.9	87.1	91.0	92.2	93.2	94.9	95.2	95.4	97.2
IV 400	59.9	71.7	75.5	77.1	79.3	80.3	85.3	86.9	87.1	91.0	92.2	93.2	94.9	95.2	95.4	97.2
IV 300	59.9	71.7	75.5	77.1	79.3	80.3	85.3	86.9	87.1	91.2	92.4	93.4	95.0	95.2	95.7	97.5
IV 200	59.9	71.7	75.5	77.1	79.3	80.3	85.3	86.9	87.1	91.2	92.4	93.4	95.0	95.2	95.7	97.8
IV 100	59.9	71.7	75.5	77.1	79.3	80.3	85.3	86.9	87.1	91.2	92.4	93.4	95.0	95.2	95.7	97.8
IV 0	59.9	71.7	75.5	77.1	79.3	80.3	85.3	86.9	87.1	91.2	92.4	93.4	95.0	95.2	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 661

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

CEILING VERSUS VISIBILITY

16843 STATION EROBISHER BAY NEW DOT APT

43-50 YEARS

10 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-2000
HOURLY (L.F.T.)

CEILING FEET.	VISIBILITY - STATUTE MILES.															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	47.1	52.5	53.2	53.4	53.8	53.8	54.3	54.6	55.1	56.2	57.1	57.2	58.3	58.3	58.3	58.6
≥ 20000	47.2	52.6	53.4	53.5	54.3	54.3	54.8	55.1	55.5	56.6	57.5	57.7	58.8	58.8	58.8	59.1
IV 18000	47.2	52.6	53.4	53.5	54.3	54.3	54.8	55.1	55.5	56.6	57.5	57.7	58.8	58.8	58.8	59.1
IV 16000	47.5	52.9	53.7	53.8	54.6	54.6	55.1	55.4	55.8	56.9	57.8	58.0	59.1	59.1	59.1	59.4
IV 14000	48.8	54.2	54.9	55.1	55.8	55.8	56.3	56.6	57.1	58.2	59.1	59.2	60.3	60.3	60.3	60.6
IV 12000	49.8	55.2	56.0	56.2	56.9	56.9	57.4	57.7	58.2	59.2	60.2	60.3	61.4	61.4	61.4	61.7
IV 10000	50.5	55.8	56.6	56.8	57.7	57.7	58.2	58.5	58.9	60.0	60.9	61.1	62.2	62.2	62.2	62.5
IV 9000	50.5	55.8	56.6	56.8	57.7	57.7	58.2	58.5	58.9	60.0	60.9	61.1	62.2	62.2	62.2	62.5
IV 8000	51.8	57.7	58.5	58.9	59.8	59.8	60.5	60.8	61.2	62.3	63.2	63.7	64.9	64.9	64.9	65.2
IV 7000	52.8	58.9	59.7	60.2	61.1	61.1	62.0	62.3	62.8	63.8	64.8	65.2	66.5	66.5	66.5	66.8
IV 6000	54.8	61.4	62.3	62.8	63.7	63.7	64.6	64.9	65.4	66.5	67.4	67.8	69.1	69.1	69.1	69.5
IV 5000	58.3	65.6	66.6	67.1	68.0	68.2	69.4	69.7	70.2	71.2	72.2	72.6	74.3	74.3	74.3	74.8
IV 4500	59.8	67.2	68.6	69.1	70.0	70.3	71.7	72.0	72.5	73.5	74.5	74.9	76.6	76.6	76.6	77.1
IV 4000	61.2	69.2	70.9	71.4	72.6	72.9	74.5	74.9	75.4	76.6	77.5	78.0	79.8	79.8	79.8	80.3
IV 3500	62.3	70.9	72.8	73.2	74.6	74.9	76.6	77.2	77.7	78.9	79.8	80.3	82.3	82.3	82.3	82.8
IV 3000	63.4	72.9	74.8	75.2	77.2	77.5	79.4	80.0	80.5	81.7	82.8	83.2	85.4	85.4	85.4	85.8
IV 2500	63.7	73.4	75.4	76.3	78.3	78.6	80.8	81.4	81.8	83.4	84.5	84.9	87.2	87.2	87.2	87.7
IV 2000	64.2	74.3	76.5	77.5	79.7	80.0	82.2	83.1	83.7	85.2	86.6	87.2	89.7	89.7	89.7	90.6
IV 1800	64.2	74.3	76.5	77.5	79.7	80.0	82.2	83.1	83.7	85.2	86.6	87.2	89.7	89.7	89.7	90.6
IV 1500	64.3	74.8	77.2	78.5	81.1	81.5	84.5	85.4	86.0	87.8	89.2	89.8	92.3	92.6	92.8	93.2
IV 1200	64.3	74.8	77.2	78.5	81.1	81.5	84.5	85.4	86.0	87.8	89.2	89.8	92.3	92.6	92.8	93.2
IV 1000	64.3	75.1	77.7	78.9	82.2	82.6	85.8	86.8	87.4	89.7	91.1	91.7	94.3	94.6	94.8	95.2
IV 900	64.3	75.1	77.7	78.9	82.2	82.6	85.8	86.9	87.5	89.8	91.2	91.8	94.5	94.8	94.9	95.4
IV 800	64.3	75.1	77.7	78.9	82.2	82.6	85.8	86.9	87.5	89.8	91.2	91.8	94.5	94.8	94.9	95.4
IV 700	64.3	75.1	77.7	78.9	82.2	82.6	85.8	87.2	87.8	90.2	91.5	92.2	94.8	95.2	95.4	95.8
IV 600	64.3	75.1	77.7	78.9	82.2	82.6	85.8	87.2	87.8	90.2	91.5	92.2	94.8	95.2	95.4	95.8
IV 500	64.3	75.1	77.7	78.9	82.2	82.6	85.8	87.2	87.8	90.2	91.5	92.2	95.2	95.7	95.8	96.3
IV 400	64.3	75.1	77.7	78.9	82.2	82.6	85.8	87.2	87.8	90.2	91.5	92.2	95.2	95.7	95.8	96.3
IV 300	64.3	75.1	77.7	78.9	82.2	82.6	85.8	87.2	87.8	90.2	91.5	92.2	95.2	95.7	95.8	96.3
IV 200	64.3	75.1	77.7	78.9	82.2	82.6	85.8	87.2	87.8	90.2	91.5	92.2	95.2	95.7	95.8	96.3
IV 100	64.3	75.1	77.7	78.9	82.2	82.6	85.8	87.2	87.8	90.2	91.5	92.2	95.2	95.7	95.8	96.3
IV 0	64.3	75.1	77.7	78.9	82.2	82.6	85.8	87.2	87.8	90.2	91.5	92.2	95.2	95.7	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 650

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

CEILING VERSUS VISIBILITY

10603 STATION FROM WISHER BAY MNT OUT APT

63-46-48-50

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2400

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	47.4	51.6	52.8	54.0	54.0	54.0	55.5	56.0	56.0	56.4	56.7	56.9	58.3	58.8	58.8	58.9
≥ 18000	47.7	52.0	53.2	54.3	54.3	54.3	55.9	56.4	56.4	56.7	57.1	57.2	58.6	58.6	58.8	59.3
IV 16000	48.0	52.3	53.5	54.7	54.7	54.7	56.2	56.7	56.7	57.1	57.4	57.6	58.9	58.9	59.1	59.6
IV 14000	49.2	53.5	54.7	55.9	55.9	55.9	57.4	57.9	57.9	58.3	58.6	58.8	60.1	60.1	60.3	60.8
IV 12000	50.8	55.0	56.2	57.4	57.4	57.4	58.9	59.5	59.5	59.8	60.1	60.3	61.7	61.7	61.8	62.4
IV 10000	51.3	55.5	56.7	57.9	57.9	57.9	59.5	60.0	60.0	60.3	60.6	60.8	62.2	62.2	62.4	62.9
IV 9000	51.6	55.9	57.1	58.3	58.3	58.3	59.8	60.3	60.3	60.6	61.0	61.2	62.5	62.5	62.7	63.2
IV 8000	53.3	58.3	59.6	60.8	60.8	60.8	62.4	62.9	62.9	63.2	63.5	63.7	65.1	65.1	65.2	65.8
IV 7000	54.0	59.5	60.8	62.0	62.0	62.0	63.7	64.6	64.6	64.9	65.2	65.4	67.1	67.1	67.3	67.8
IV 6000	56.4	62.5	63.9	65.4	65.6	65.6	67.3	68.1	68.1	68.7	69.0	69.2	70.9	70.9	71.0	71.6
IV 5000	59.1	66.8	68.1	69.7	69.8	69.8	71.7	72.6	72.6	73.1	73.4	73.6	75.8	75.8	76.0	76.5
IV 4500	60.8	69.0	70.4	71.9	72.1	72.1	74.1	75.1	75.1	75.6	76.0	76.1	78.4	78.4	78.5	79.0
IV 4000	62.2	71.6	73.3	74.8	75.0	75.0	77.3	78.4	78.4	78.9	79.2	79.4	81.8	81.8	81.9	82.5
IV 3500	62.9	72.6	74.3	76.0	76.1	76.1	78.7	79.7	79.7	80.9	81.3	81.4	84.0	84.0	84.2	84.7
IV 3000	64.4	74.8	76.5	78.2	78.7	78.7	81.6	82.6	82.6	84.0	84.3	84.5	87.1	87.1	87.2	87.7
IV 2500	64.7	75.8	78.0	79.7	80.4	80.4	83.6	84.7	84.7	86.0	86.4	86.5	89.1	89.1	89.3	89.8
IV 2000	65.2	76.5	78.7	80.4	81.1	81.1	84.8	85.9	85.9	87.4	87.7	87.9	90.6	90.6	91.3	91.8
IV 1800	65.4	76.7	78.9	80.6	81.3	81.3	85.0	86.0	86.0	87.6	87.9	88.1	90.8	90.8	91.5	92.0
IV 1500	65.4	76.8	79.0	81.1	81.8	81.8	86.4	87.4	87.4	89.1	89.4	89.6	92.3	92.3	93.0	93.5
IV 1200	65.4	76.8	79.0	81.1	81.8	81.8	86.5	87.6	87.6	89.3	89.6	89.8	92.5	92.5	93.2	93.7
IV 1000	65.4	76.8	79.0	81.1	81.8	81.8	86.5	87.6	87.6	89.6	89.9	90.1	92.8	92.8	93.5	94.0
IV 900	65.4	76.8	79.0	81.1	81.8	81.8	86.5	87.6	87.6	89.6	89.9	90.1	92.8	92.8	93.5	94.0
IV 800	65.8	77.2	79.4	81.4	82.1	82.1	86.9	87.9	87.9	89.9	90.3	90.5	93.2	93.2	93.9	94.4
IV 700	65.8	77.2	79.4	81.4	82.1	82.1	86.9	88.2	88.2	90.3	90.6	90.8	93.5	93.5	94.2	94.7
IV 600	65.8	77.2	79.4	81.4	82.1	82.1	86.9	88.2	88.2	90.3	90.8	91.0	93.7	93.7	94.4	94.9
IV 500	65.8	77.2	79.4	81.4	82.1	82.1	86.9	88.2	88.2	91.3	91.7	91.8	94.7	94.7	95.4	95.9
IV 400	65.8	77.2	79.4	81.4	82.1	82.1	86.9	88.2	88.2	91.3	91.7	91.8	94.7	94.7	95.4	95.9
IV 300	65.8	77.2	79.4	81.4	82.1	82.1	86.9	88.2	88.2	91.3	91.7	91.8	94.7	94.7	95.4	95.9
IV 200	65.8	77.2	79.4	81.4	82.1	82.1	86.9	88.2	88.2	91.3	91.7	91.8	94.7	94.7	95.4	95.9
IV 100	65.8	77.2	79.4	81.4	82.1	82.1	86.9	88.2	88.2	91.3	91.7	91.8	94.7	94.7	95.4	95.9
IV 0	65.8	77.2	79.4	81.4	82.1	82.1	86.9	88.2	88.2	91.3	91.7	91.8	94.7	94.7	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS 387

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

CEILING VERSUS VISIBILITY

16603 STATION ERMIDISHER WAY NWT DUT APT

63-50

YEARS

FEET
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	57.4	55.6	56.9	57.1	58.1	58.2	59.2	59.2	59.2	60.7	61.0	61.0	61.0	61.0	61.8	61.8
≥ 20000	53.7	57.7	59.2	59.4	60.3	60.5	61.4	61.4	61.4	63.1	63.5	63.5	63.5	63.5	64.2	64.4
≥ 18000	53.7	57.7	59.2	59.4	60.3	60.5	61.4	61.4	61.4	63.1	63.5	63.5	63.5	63.5	64.2	64.2
≥ 16000	53.7	57.7	59.2	59.4	60.3	60.5	61.4	61.4	61.4	63.1	63.5	63.5	63.5	63.5	64.2	64.2
≥ 14000	53.9	57.9	59.4	59.6	60.5	60.7	61.6	61.6	61.6	63.3	63.7	63.7	63.9	63.9	64.6	64.6
≥ 12000	55.4	59.4	61.2	61.4	62.4	62.5	63.7	63.7	63.7	65.4	65.7	65.7	65.9	65.9	66.7	66.7
≥ 10000	55.8	60.3	62.2	62.4	63.3	63.5	64.6	64.6	64.6	66.3	66.7	66.7	66.9	66.9	67.6	67.6
≥ 9000	55.8	60.3	62.4	62.5	63.5	63.7	64.6	64.6	64.6	66.3	66.7	66.7	66.9	66.9	67.6	67.6
IV 8000	55.8	60.3	62.9	63.3	64.2	64.4	65.5	65.5	65.5	67.2	67.6	67.6	67.8	67.8	68.5	68.5
IV 7000	57.3	62.9	63.7	66.1	67.6	67.8	69.1	69.1	69.1	70.8	71.2	71.2	71.5	71.5	72.3	72.3
IV 6000	59.4	63.7	69.1	70.0	71.7	71.9	73.2	73.2	73.2	74.9	75.3	75.3	75.7	75.7	76.4	76.4
IV 5000	59.9	67.2	71.9	73.6	75.5	75.7	77.0	77.0	77.0	78.7	79.0	79.0	79.6	79.6	80.3	80.3
IV 4500	59.9	67.2	71.9	73.8	75.7	75.8	77.2	77.2	77.2	78.8	79.2	79.2	79.8	79.8	80.5	80.5
IV 4000	60.5	68.2	72.8	75.1	77.0	77.2	79.0	79.0	79.0	81.1	81.5	81.5	82.0	82.0	82.8	82.8
IV 3500	61.4	69.3	74.3	76.6	79.0	79.2	81.1	81.1	81.1	83.1	83.5	83.5	84.1	84.1	84.8	84.8
IV 3000	62.2	70.2	75.5	77.7	80.5	80.7	83.0	83.1	83.1	85.2	85.6	85.6	86.3	86.3	87.1	87.1
IV 2500	62.7	71.3	77.5	80.3	83.1	84.1	86.5	86.7	86.7	88.8	89.1	89.1	89.9	89.9	90.6	90.6
IV 2000	62.7	72.1	78.8	82.0	84.8	85.8	88.4	88.6	88.6	91.0	91.4	91.4	92.1	92.1	92.9	93.1
IV 1800	63.1	72.5	79.2	82.4	85.2	86.1	88.8	89.0	89.0	91.4	91.8	91.8	92.5	92.5	93.3	93.4
IV 1500	63.5	72.8	79.6	82.8	85.8	86.7	89.3	89.5	89.5	91.9	92.3	92.3	93.1	93.1	93.8	94.0
IV 1200	63.7	73.0	79.8	83.0	86.0	86.9	89.5	89.7	89.7	92.1	92.5	92.5	93.3	93.3	94.0	94.2
IV 1000	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7
IV 900	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7
IV 800	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7
IV 700	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7
IV 600	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7
IV 500	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7
IV 400	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7
IV 300	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7
IV 200	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7
IV 100	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7
IV 0	63.9	73.4	80.1	83.3	87.3	88.2	90.8	91.0	91.0	93.6	94.0	94.0	94.8	94.8	95.5	95.7

TOTAL NUMBER OF OBSERVATIONS 526

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

CEILING VERSUS VISIBILITY

16603 STATION EMULATOR DAY MOUNT APT

43-50

YEARS

FEET
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	50.3	53.4	54.0	54.8	55.6	55.6	58.1	58.3	58.3	59.3	59.8	59.8	60.4	60.4	60.4	60.4
≥ 20000	50.9	54.8	55.0	55.9	57.1	57.1	59.6	59.8	59.8	60.8	61.4	61.4	62.0	62.0	62.0	62.0
IV 18000	50.9	54.8	55.0	55.9	57.1	57.1	59.6	59.8	59.8	60.8	61.4	61.4	62.0	62.0	62.0	62.0
IV 16000	50.9	54.8	55.0	55.9	57.1	57.1	59.6	59.8	59.8	60.8	61.4	61.4	62.0	62.0	62.0	62.0
IV 14000	50.9	54.8	55.0	55.9	57.1	57.1	59.6	59.8	59.8	60.8	61.4	61.4	62.0	62.0	62.0	62.0
IV 12000	52.0	55.9	56.1	57.1	58.7	58.7	61.2	61.4	61.4	62.4	63.0	63.0	63.5	63.5	63.5	63.5
IV 10000	52.6	57.1	57.3	58.3	59.8	59.8	62.4	62.6	62.6	63.5	64.1	64.1	64.7	64.7	64.7	64.7
IV 9000	53.0	57.7	57.9	58.9	60.4	60.4	63.0	63.2	63.2	64.1	64.7	64.7	65.3	65.3	65.3	65.3
IV 8000	53.6	58.9	59.5	60.4	62.0	62.0	64.5	64.7	64.7	65.7	66.3	66.3	66.9	66.9	66.9	66.9
IV 7000	55.4	61.0	62.8	63.7	65.3	65.3	68.0	68.2	68.2	69.4	70.0	70.0	70.6	70.6	70.6	70.6
IV 6000	56.5	62.2	64.5	65.3	67.6	67.6	70.2	70.4	70.4	71.5	72.1	72.1	72.7	72.7	72.7	72.7
IV 5000	57.9	65.3	68.0	69.0	71.7	71.7	74.5	74.7	74.7	75.8	76.4	76.4	77.0	77.0	77.0	77.0
IV 4500	58.1	66.1	68.8	70.0	72.9	72.9	75.6	75.8	75.8	77.0	77.6	77.6	78.2	78.2	78.2	78.2
IV 4000	58.5	66.9	70.0	71.3	74.9	74.9	77.8	78.0	78.0	79.7	80.3	80.3	80.9	80.9	80.9	80.9
IV 3500	58.7	67.6	71.2	72.9	76.6	76.6	79.5	79.7	79.7	81.5	82.1	82.1	82.7	82.7	82.7	82.7
IV 3000	59.6	69.6	73.3	75.6	79.5	79.5	82.5	82.7	82.7	84.4	85.2	85.2	86.0	86.0	86.0	86.0
IV 2500	60.2	70.6	74.9	77.4	81.9	81.9	85.4	85.6	85.6	87.3	88.1	88.1	88.9	88.9	88.9	88.9
IV 2000	61.4	72.3	77.4	80.1	84.6	84.6	88.5	88.7	88.7	90.6	91.4	91.4	92.2	92.2	92.2	92.2
IV 1800	61.4	72.3	77.6	80.3	84.8	85.0	88.7	88.9	88.9	90.8	91.6	91.6	92.4	92.4	92.4	92.4
IV 1500	61.4	72.3	77.8	81.3	85.8	86.0	89.7	89.9	89.9	92.6	93.4	93.4	94.2	94.2	94.2	94.2
IV 1200	61.4	72.3	77.8	81.3	85.8	86.0	89.7	89.9	89.9	92.6	93.4	93.4	94.2	94.2	94.2	94.2
IV 1000	61.4	72.3	77.8	81.3	86.7	86.9	91.0	91.4	91.4	94.5	95.3	95.3	96.3	96.3	96.3	96.3
IV 900	61.4	72.3	77.8	81.3	86.7	86.9	91.0	91.4	91.4	94.5	95.3	95.3	96.3	96.3	96.3	96.3
IV 800	61.4	72.3	78.0	81.5	86.9	87.1	91.2	91.6	91.6	94.9	95.9	95.9	96.9	96.9	97.1	97.1
IV 700	61.4	72.3	78.0	81.5	86.9	87.1	91.2	91.6	91.6	94.9	95.9	95.9	96.9	96.9	97.3	97.3
IV 600	61.4	72.3	78.0	81.5	86.9	87.1	91.2	91.6	91.6	94.9	95.9	95.9	96.9	96.9	97.5	97.5
IV 500	61.4	72.3	78.0	81.5	86.9	87.1	91.2	91.6	91.6	94.9	95.9	95.9	96.1	97.1	97.7	97.7
IV 400	61.4	72.3	78.0	81.5	86.9	87.1	91.2	91.6	91.6	94.9	95.9	95.9	96.1	97.1	97.7	97.7
IV 300	61.4	72.3	78.0	81.5	86.9	87.1	91.2	91.6	91.6	94.9	95.9	95.9	96.1	97.1	97.7	97.7
IV 200	61.4	72.3	78.0	81.5	86.9	87.1	91.2	91.6	91.6	94.9	95.9	95.9	96.1	97.1	97.7	97.9
IV 100	61.4	72.3	78.0	81.5	86.9	87.1	91.2	91.6	91.6	94.9	95.9	95.9	96.1	97.1	97.7	98.1
IV 0	61.4	72.3	78.0	81.5	86.9	87.1	91.2	91.6	91.6	94.9	95.9	95.9	96.1	97.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 513

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

CEILING VERSUS VISIBILITY

16611 STATION FROBISHER DAY NOT OUT APT

43-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0400
MOIST (L.S.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.4	42.0	44.0	44.9	43.7	43.9	46.6	46.8	46.8	47.1	47.6	47.6	47.6	47.6	47.8	47.4
≥ 20000	39.6	42.8	44.3	45.4	46.4	46.6	47.3	47.5	47.5	47.8	48.3	48.3	48.3	48.3	48.5	48.5
≥ 18000	39.6	42.8	44.3	45.4	46.4	46.6	47.3	47.5	47.5	47.8	48.3	48.3	48.3	48.3	48.5	48.5
≥ 16000	39.6	42.8	44.3	45.4	46.4	46.6	47.3	47.5	47.5	47.8	48.3	48.3	48.3	48.3	48.5	48.5
≥ 14000	40.3	43.0	45.2	46.2	47.3	47.5	48.3	48.5	48.5	48.9	49.4	49.4	49.4	49.4	49.6	49.6
≥ 12000	41.0	44.3	45.9	46.9	48.2	48.3	49.2	49.4	49.4	49.7	50.3	50.3	50.3	50.3	50.4	50.4
≥ 10000	42.4	45.9	47.5	48.5	49.7	49.9	51.0	51.1	51.1	51.5	52.0	52.0	52.0	52.0	52.2	52.2
≥ 9000	43.8	47.8	49.6	50.6	51.8	52.0	53.1	53.2	53.2	53.6	54.1	54.1	54.1	54.1	54.3	54.3
≥ 8000	44.5	49.0	50.8	52.0	53.2	53.4	54.5	54.6	54.6	55.0	55.5	55.5	55.5	55.5	55.7	55.7
≥ 7000	46.9	52.0	53.8	55.0	56.2	56.4	57.4	57.6	57.6	58.1	58.6	58.6	58.6	58.6	58.8	58.8
≥ 6000	50.1	56.0	58.5	59.7	61.3	61.4	62.5	62.7	62.7	63.2	63.7	63.7	63.7	63.7	63.9	63.9
≥ 5000	51.5	59.0	61.8	63.2	65.1	65.3	66.7	67.0	67.0	67.5	68.1	68.1	68.1	68.1	68.2	68.2
≥ 4500	51.8	59.7	62.5	64.0	66.1	66.3	67.7	68.1	68.1	68.6	69.1	69.1	69.1	69.1	69.3	69.3
≥ 4000	52.4	61.1	64.6	66.5	69.5	69.6	71.6	71.9	71.9	72.8	73.3	73.3	73.3	73.3	73.6	73.6
≥ 3500	52.9	61.8	65.3	67.2	70.7	70.9	73.1	73.5	73.5	74.3	74.9	74.9	75.0	75.0	75.2	75.2
≥ 3000	55.8	65.6	70.2	72.6	77.0	77.1	79.4	79.9	79.9	81.2	82.0	82.0	82.2	82.2	82.4	82.4
≥ 2500	56.7	67.9	73.1	75.9	80.5	81.0	83.8	84.3	84.5	85.7	86.6	86.6	86.7	86.7	86.9	86.9
≥ 2000	59.0	70.9	76.4	79.2	83.8	84.3	88.1	88.7	89.0	90.6	91.6	91.6	91.8	91.8	92.0	92.0
≥ 1800	59.2	71.0	76.6	79.4	83.9	84.5	88.3	88.8	89.2	90.8	91.8	91.8	92.0	92.0	92.1	92.1
≥ 1500	59.3	71.4	77.5	80.5	85.2	85.7	90.1	90.6	90.9	92.7	93.7	93.7	93.9	93.9	94.1	94.1
≥ 1200	59.3	71.4	77.5	80.6	85.3	85.9	90.2	90.8	91.1	92.8	93.9	93.9	94.1	94.1	94.2	94.2
≥ 1000	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.7	96.7	96.9	96.9
≥ 900	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.7	96.7	96.9	96.9
≥ 800	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.7	96.7	96.9	96.9
≥ 700	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.7	96.7	96.9	96.9
≥ 600	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.7	96.7	97.0	97.0
≥ 500	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.7	96.7	97.6	97.6
≥ 400	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.7	96.7	97.6	97.7
≥ 300	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.7	96.7	97.6	97.7
≥ 200	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.7	96.7	97.6	97.9
≥ 100	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.7	96.7	97.6	98.3
≥ 0	59.3	71.4	77.5	80.8	85.9	86.4	91.4	92.0	92.5	94.9	96.3	96.3	96.9	96.9	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 573

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, A. C. 28871

CEILING VERSUS VISIBILITY

16601 EMBLISHED DAY 43-50

FILE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-1100
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	33.1	38.9	39.6	40.3	41.1	41.1	41.4	41.4	41.9	42.6	43.1	43.1	43.5	43.5	44.0	44.0
IV 18000	36.4	40.6	41.3	42.1	43.0	43.1	43.6	43.6	44.1	44.8	45.3	45.3	45.6	45.6	46.1	46.1
IV 16000	36.6	40.6	41.4	42.3	43.1	43.3	43.8	43.8	44.3	45.0	45.5	45.5	45.8	45.8	46.3	46.3
IV 14000	39.1	43.5	44.1	45.0	45.8	46.0	46.5	46.5	47.0	47.7	48.2	48.2	48.5	48.5	49.0	49.0
IV 12000	39.8	44.1	44.8	45.6	46.6	46.8	47.3	47.3	47.8	48.7	49.2	49.2	49.5	49.5	50.0	50.0
IV 10000	42.1	47.0	48.0	48.8	50.0	50.2	50.7	50.7	51.2	52.0	52.5	52.5	52.9	52.9	53.4	53.4
IV 9000	42.6	47.4	48.8	49.7	50.8	51.0	51.5	51.5	52.0	52.9	53.4	53.4	53.7	53.7	54.2	54.2
IV 8000	44.1	49.8	51.0	51.8	53.2	53.4	54.0	54.2	54.7	55.5	56.0	56.0	56.4	56.4	56.9	56.9
IV 7000	46.1	52.2	53.5	54.4	55.9	56.0	56.7	56.9	57.4	58.2	58.7	58.7	59.1	59.1	59.6	59.6
IV 6000	48.2	54.4	56.2	57.4	59.2	59.7	60.4	60.6	61.2	62.1	62.6	62.6	62.9	62.9	63.4	63.4
IV 5000	49.5	56.7	58.9	60.2	62.2	62.9	63.8	63.9	64.6	65.6	66.1	66.1	66.4	66.4	66.9	66.9
IV 4500	50.2	57.9	60.1	61.4	63.8	64.4	65.3	65.4	66.1	67.1	67.6	67.6	68.0	68.0	68.5	68.5
IV 4000	51.3	60.2	62.8	64.1	66.6	67.6	68.8	69.1	69.8	71.1	71.6	71.6	72.0	72.0	72.5	72.5
IV 3500	52.0	61.7	64.6	65.9	69.0	70.0	71.5	72.0	72.8	74.2	74.8	74.8	75.2	75.2	75.7	75.7
IV 3000	54.7	65.8	69.0	70.6	75.3	76.5	78.5	79.2	80.0	81.4	82.2	82.2	82.6	82.6	83.1	83.1
IV 2500	55.7	67.1	70.6	72.5	77.3	78.5	80.7	81.5	82.6	84.1	85.1	85.1	85.4	85.4	85.9	85.9
IV 2000	58.1	70.0	73.7	75.8	81.4	82.7	85.4	86.4	87.6	89.6	90.8	90.8	91.1	91.1	91.6	91.6
IV 1800	58.4	70.3	74.0	76.3	81.9	83.2	85.9	86.9	88.1	90.1	91.4	91.4	91.8	91.8	92.3	92.3
IV 1500	58.6	70.6	74.8	77.2	83.1	84.4	87.4	89.1	90.3	92.6	94.0	94.0	94.3	94.3	94.8	94.8
IV 1200	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 1000	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 900	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 800	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 700	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 600	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 500	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 400	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 300	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 200	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 100	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1
IV 0	58.6	70.6	74.8	77.3	83.4	84.7	87.9	89.8	90.9	93.6	95.3	95.3	95.6	95.6	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 526

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

CEILING VERSUS VISIBILITY

STATION 100-3 REGISTER DAY MONTH YEAR 43-50 FEET MONTH 1200-1400

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	34.8	38.0	38.2	38.7	39.0	39.5	40.0	40.0	40.5	41.1	41.2	41.2	42.1	42.1	42.4	42.6
≥ 20000	37.3	40.9	41.2	42.1	43.4	44.0	44.5	44.5	45.0	45.5	45.7	45.7	46.5	46.5	46.8	47.0
IV 18000	37.3	40.9	41.2	42.1	43.4	44.0	44.5	44.5	45.0	45.5	45.7	45.7	46.5	46.5	46.8	47.0
IV 16000	37.3	40.9	41.2	42.1	43.4	44.0	44.5	44.5	45.0	45.5	45.7	45.7	46.5	46.5	46.8	47.0
IV 14000	38.5	42.1	42.4	43.4	44.8	45.3	45.8	45.8	46.3	46.8	47.0	47.0	47.9	47.9	48.2	48.4
IV 12000	39.4	43.4	44.0	45.0	46.3	46.8	47.4	47.4	47.9	48.4	48.6	48.6	49.4	49.4	49.7	49.9
IV 10000	43.8	44.7	50.4	51.4	53.0	53.5	54.2	54.2	54.7	55.2	55.5	55.5	56.4	56.4	56.7	56.9
IV 9000	46.3	50.4	50.9	52.0	53.5	54.0	54.7	54.7	55.2	55.7	56.0	56.0	56.9	56.9	57.2	57.4
IV 8000	46.0	52.0	52.6	53.7	55.2	55.7	56.4	56.4	56.9	57.4	57.8	57.8	58.6	58.6	58.9	59.1
IV 7000	48.4	54.5	55.2	56.4	57.9	58.4	59.3	59.3	59.8	60.4	60.6	60.6	61.5	61.5	61.8	62.2
IV 6000	50.9	58.6	60.1	61.7	63.5	64.1	65.1	65.1	65.6	66.3	66.8	66.8	67.6	67.6	68.1	68.5
IV 5000	51.6	59.3	61.0	62.7	65.1	65.6	67.5	67.5	68.0	68.7	69.3	69.3	70.2	70.2	70.7	71.0
IV 4500	52.1	60.5	62.2	63.9	66.4	67.0	69.0	69.2	69.7	70.4	71.0	71.0	71.9	71.9	72.4	72.7
IV 4000	53.3	62.2	64.6	66.4	69.2	69.8	72.1	72.7	73.3	74.1	75.3	75.3	76.5	76.5	77.0	77.3
IV 3500	54.3	63.2	65.9	68.0	70.9	71.7	73.9	74.6	75.1	76.1	77.7	77.9	78.9	78.9	79.4	79.7
IV 3000	56.2	65.2	68.5	70.5	73.6	74.6	77.2	78.2	78.7	79.9	81.6	81.8	82.8	82.8	83.3	83.6
IV 2500	57.8	67.1	70.7	72.9	76.1	77.3	79.9	81.3	81.8	83.0	84.7	84.8	86.0	86.2	86.7	87.1
IV 2000	60.3	70.2	74.4	76.8	80.1	81.3	84.0	85.5	86.2	88.1	89.8	89.9	91.1	91.3	91.8	92.2
IV 1800	60.3	70.2	74.4	76.8	80.1	81.3	84.0	85.5	86.2	88.1	89.8	89.9	91.1	91.3	91.8	92.2
IV 1500	60.3	70.2	75.1	77.5	80.7	81.9	84.7	86.2	86.9	88.9	90.6	90.8	92.0	92.2	92.7	93.0
IV 1200	60.3	70.2	75.1	77.5	80.7	81.9	84.7	86.2	86.9	88.9	90.6	90.8	92.0	92.2	92.7	93.0
IV 1000	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1
IV 900	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1
IV 800	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1
IV 700	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1
IV 600	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1
IV 500	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1
IV 400	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1
IV 300	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1
IV 200	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1
IV 100	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1
IV 0	60.3	70.2	75.3	77.7	80.9	82.1	85.0	86.5	87.4	90.3	92.0	92.3	94.0	94.2	94.7	95.1

TOTAL NUMBER OF OBSERVATIONS 527

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

CEILING VERSUS VISIBILITY

STATION 16603 PROBABLE DAY 10-11-61 APT 43-50 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.8	42.7	43.4	43.7	44.4	44.4	45.1	45.7	45.9	47.1	47.4	47.4	47.6	47.6	47.6	47.8
≥ 20000	41.0	45.1	45.9	46.9	47.6	47.6	48.3	48.5	49.7	50.9	51.2	51.2	51.4	51.4	51.4	51.5
≥ 18000	41.2	45.2	46.1	47.1	47.8	47.8	49.0	49.7	49.8	51.0	51.4	51.4	51.5	51.5	51.5	51.7
≥ 16000	41.2	45.2	46.4	47.4	48.1	48.1	49.3	50.0	50.2	51.4	51.7	51.7	51.9	51.9	51.9	52.0
≥ 14000	41.8	46.1	47.4	48.5	49.1	49.1	50.3	51.0	51.2	52.4	52.7	52.7	52.9	52.9	52.9	53.1
≥ 12000	43.5	48.3	49.8	50.9	51.7	51.7	52.9	53.6	53.7	54.9	55.3	55.3	55.4	55.4	55.4	55.6
≥ 10000	46.4	51.2	53.6	54.8	55.6	55.6	56.8	57.8	58.1	59.2	59.5	59.5	59.7	59.7	59.7	59.9
≥ 9000	46.4	51.2	53.9	55.1	56.0	56.0	57.1	58.2	58.3	59.5	59.9	59.9	60.0	60.0	60.0	60.2
≥ 8000	48.8	53.4	56.3	57.5	58.7	58.7	59.9	60.9	61.1	62.2	62.6	62.6	62.8	62.8	62.8	62.9
≥ 7000	50.2	55.4	58.0	59.2	60.5	60.5	61.7	62.8	62.9	64.1	64.5	64.5	64.6	64.6	64.6	65.0
≥ 6000	53.1	60.0	62.8	64.5	66.3	66.3	67.7	68.7	68.9	70.1	70.6	70.6	70.7	70.7	70.7	71.1
≥ 5000	53.4	61.1	63.8	65.5	68.0	68.0	69.7	70.7	70.9	72.3	73.0	73.0	73.8	73.8	74.1	74.3
≥ 4500	53.4	61.2	63.9	65.6	68.4	68.4	70.2	71.6	71.8	73.1	73.8	73.8	74.7	74.7	75.0	75.2
≥ 4000	55.1	63.1	65.8	68.7	71.6	71.6	73.5	75.2	75.7	77.2	78.4	78.4	79.6	79.6	79.9	80.1
≥ 3500	56.0	64.1	66.8	69.9	72.8	72.8	74.8	76.5	77.0	78.6	79.8	79.8	81.0	81.0	81.3	81.5
≥ 3000	58.7	66.8	70.1	73.3	76.4	76.4	78.4	80.1	80.6	82.1	83.3	83.3	84.5	84.5	84.9	85.0
≥ 2500	59.9	68.0	71.3	74.7	77.7	77.7	80.1	81.8	82.3	83.8	85.2	85.2	86.6	86.6	86.9	87.1
≥ 2000	62.6	70.4	74.8	78.4	81.5	81.5	83.8	85.5	86.2	87.8	89.1	89.1	90.6	90.8	91.2	91.3
≥ 1800	62.6	70.4	74.8	78.4	81.5	81.5	83.8	85.5	86.2	87.8	89.1	89.1	90.6	90.8	91.2	91.3
≥ 1500	62.9	71.4	75.9	79.4	82.7	82.7	85.2	87.1	87.8	89.5	91.2	91.2	92.7	92.9	93.2	93.4
≥ 1200	62.9	71.4	75.9	79.4	82.7	82.7	85.2	87.1	87.8	89.5	91.2	91.2	92.7	92.9	93.2	93.4
≥ 1000	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6
≥ 900	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6
≥ 800	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6
≥ 700	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6
≥ 600	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6
≥ 500	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6
≥ 400	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6
≥ 300	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6
≥ 200	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6
≥ 100	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6
≥ 0	63.3	72.3	76.7	80.3	83.5	83.5	86.2	88.1	88.8	91.0	92.7	92.7	94.7	94.9	95.4	95.6

TOTAL NUMBER OF OBSERVATIONS 208

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

CEILING VERSUS VISIBILITY

16603 ENGLISHMAN LAKE DAY 1 DAY 1

63-50

YEARS

FROM

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-2000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	47.9	51.4	53.0	53.7	55.1	55.1	55.4	55.7	55.7	56.1	57.1	57.1	57.4	57.4	57.4	57.4
≥ 20000	48.6	52.0	53.1	53.9	57.7	57.7	58.0	58.4	58.4	58.7	59.8	59.8	60.8	60.8	60.8	60.8
IV 18000	48.8	53.1	55.2	56.1	57.8	57.8	58.2	58.5	58.5	58.9	59.9	59.9	61.0	61.0	61.0	61.0
IV 16000	48.8	53.1	55.6	56.8	58.2	58.2	58.5	58.9	58.9	59.2	60.4	60.4	61.3	61.3	61.3	61.3
IV 14000	49.5	54.2	56.6	57.5	59.2	59.2	59.6	59.9	59.9	60.3	61.3	61.3	62.4	62.4	62.4	62.4
IV 12000	50.5	55.7	58.2	59.1	60.8	60.8	61.1	61.5	61.5	61.8	62.9	62.9	63.9	63.9	63.9	63.9
IV 10000	52.3	57.8	60.9	61.3	63.1	63.1	63.4	63.8	63.8	64.3	65.3	65.3	66.4	66.4	66.4	66.4
IV 9000	52.6	58.2	60.8	61.7	63.4	63.4	63.8	64.1	64.1	65.0	66.0	66.0	67.1	67.1	67.1	67.1
IV 8000	54.0	60.1	62.7	63.9	65.7	65.7	66.2	66.6	66.6	67.4	68.5	68.5	69.5	69.5	69.5	69.5
IV 7000	56.1	63.6	66.6	67.8	69.7	69.7	70.6	70.9	70.9	71.8	72.8	72.8	73.8	73.8	73.8	73.8
IV 6000	57.7	66.4	70.0	71.6	73.9	73.9	74.7	75.1	75.1	76.0	77.0	77.0	78.0	78.0	78.0	78.0
IV 5000	58.0	67.1	70.9	72.6	74.9	74.9	75.8	76.1	76.1	77.0	78.0	78.0	79.0	79.0	79.0	79.0
IV 4500	58.2	67.2	71.1	72.8	75.1	75.1	76.5	76.8	76.8	77.7	78.7	78.7	80.3	80.3	80.3	80.3
IV 4000	59.2	68.3	72.3	74.2	76.8	76.8	78.2	79.1	79.1	80.5	81.5	81.5	83.1	83.1	83.1	83.1
IV 3500	60.6	69.7	73.7	75.6	78.2	78.2	79.6	80.5	80.5	81.9	82.9	82.9	84.5	84.5	84.5	84.5
IV 3000	62.0	71.3	75.3	77.2	79.8	79.8	81.2	82.6	82.6	84.0	85.0	85.0	86.6	86.6	86.6	86.6
IV 2500	63.1	72.6	76.8	78.7	81.4	81.4	82.8	84.1	84.1	85.5	86.6	86.6	88.2	88.2	88.2	88.2
IV 2000	64.2	73.9	78.7	81.0	83.6	83.6	85.9	87.6	87.6	89.0	90.6	90.6	92.2	92.2	92.2	92.2
IV 1800	64.5	74.0	78.9	81.2	83.8	83.8	86.1	87.8	87.8	89.2	90.8	90.8	92.3	92.3	92.3	92.3
IV 1500	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 1200	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 1000	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 900	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 800	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 750	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 600	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 500	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 400	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 300	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 200	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 100	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4
IV 0	64.6	74.4	79.4	81.7	84.3	84.3	87.1	89.0	89.0	90.6	92.3	92.3	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS 576

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

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

CEILING VERSUS VISIBILITY

STATION 16603 ENTERPRISE BAY NAVY APT

43-50

YEARS

FEET
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.9	53.0	56.7	56.9	58.2	58.2	58.9	58.9	58.9	60.4	60.6	60.6	60.6	60.6	60.6	61.1
≥ 20000	52.9	56.7	59.7	59.9	61.3	61.3	62.1	62.1	62.1	63.5	63.7	63.7	63.7	63.7	63.7	64.6
IV 18000	52.9	56.7	59.7	59.9	61.3	61.3	62.1	62.1	62.1	63.5	63.7	63.7	63.7	63.7	63.7	64.6
IV 16000	52.9	56.7	59.7	59.9	61.3	61.3	62.1	62.1	62.1	63.5	63.7	63.7	63.7	63.7	63.7	64.6
IV 14000	54.1	58.0	61.0	61.1	62.6	62.6	63.4	63.4	63.4	64.8	65.0	65.0	65.0	65.0	65.2	65.9
IV 12000	56.2	60.0	63.4	63.5	65.0	65.0	65.7	65.7	65.7	67.2	67.4	67.4	67.4	67.4	67.6	68.3
IV 10000	57.3	61.1	64.5	64.8	66.3	66.3	67.0	67.0	67.0	68.5	68.7	68.7	68.7	68.7	68.9	69.6
IV 9000	57.6	61.5	64.8	65.2	66.9	66.9	67.6	67.6	67.6	69.2	69.4	69.4	69.4	69.4	69.6	70.3
IV 8000	58.6	62.8	66.5	67.2	68.9	68.9	69.6	69.6	69.6	71.3	71.5	71.5	71.5	71.5	71.6	72.4
IV 7000	61.0	66.3	70.7	71.5	73.1	73.1	74.2	74.4	74.4	75.9	76.1	76.1	76.2	76.2	76.4	77.2
IV 6000	61.7	67.2	73.1	73.8	75.5	75.5	76.6	76.8	76.8	78.3	78.5	78.5	78.6	78.6	79.0	79.7
IV 5000	62.6	68.5	74.6	75.5	77.3	77.3	78.5	78.6	78.6	80.1	80.3	80.3	81.4	81.4	81.8	82.5
IV 4500	62.8	68.9	75.0	75.9	77.9	77.9	79.0	79.2	79.2	80.7	81.0	81.0	82.1	82.1	82.5	83.2
IV 4000	64.1	70.2	76.2	77.2	80.3	80.5	82.1	82.5	82.7	84.5	84.9	84.9	86.0	86.0	86.4	87.1
IV 3500	65.7	71.8	77.9	78.8	82.0	82.1	83.8	84.2	84.3	86.2	86.6	86.6	87.7	87.7	88.0	88.8
IV 3000	66.1	72.2	78.3	79.4	83.1	83.2	84.9	85.3	85.5	87.3	87.7	87.7	88.8	88.8	89.1	89.9
IV 2500	67.0	73.3	80.1	81.2	85.1	85.5	87.1	87.7	87.8	89.7	90.1	90.1	91.2	91.2	91.5	92.3
IV 2000	67.2	73.7	80.8	82.5	86.4	86.7	88.8	89.7	89.9	91.7	92.1	92.1	93.2	93.2	93.6	94.7
IV 1800	67.2	73.7	80.8	82.5	86.4	86.7	88.8	89.7	89.9	91.7	92.1	92.1	93.2	93.2	93.6	94.7
IV 1500	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 1200	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 1000	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 900	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 800	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 700	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 600	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 500	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 400	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 300	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 200	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 100	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2
IV 0	67.4	73.8	81.0	82.7	86.6	86.9	89.3	90.2	90.4	92.3	92.6	92.6	93.7	93.7	94.1	95.2

TOTAL NUMBER OF OBSERVATIONS 543

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

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

CEILING VERSUS VISIBILITY

16603 STATION ERMISHAW APT DPT APT

42-66-48-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
MOON (L.V.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.1	45.3	48.4	50.5	52.6	52.8	53.5	53.7	54.1	54.3	55.4	55.6	55.6	55.6	55.6	55.8
IV 20000	44.6	49.7	53.2	55.4	57.6	57.7	58.5	58.7	59.1	59.1	60.4	60.6	60.8	60.8	60.8	61.0
IV 18000	45.5	50.7	54.1	56.4	58.5	58.7	59.5	59.7	60.0	60.2	61.4	61.6	61.8	61.8	61.8	62.0
IV 16000	45.5	50.7	54.1	56.4	58.5	58.7	59.5	59.7	60.0	60.2	61.4	61.6	61.8	61.8	61.8	62.0
IV 14000	45.5	50.7	54.1	56.4	58.5	58.7	59.5	59.7	60.0	60.2	61.4	61.6	61.8	61.8	61.8	62.0
IV 12000	46.3	51.4	55.3	57.6	59.8	60.0	60.8	61.6	62.0	62.1	63.3	63.5	63.7	63.7	63.7	63.9
IV 10000	47.3	53.1	58.5	60.8	63.1	63.3	64.1	64.8	65.7	65.4	66.5	66.7	66.9	66.9	66.9	67.1
IV 9000	47.9	53.6	59.1	61.4	63.7	63.9	64.6	65.4	65.8	66.0	67.1	67.3	67.5	67.5	67.5	67.7
IV 8000	52.2	57.9	61.4	63.7	66.0	66.2	66.9	67.7	68.1	68.3	69.4	69.6	69.8	69.8	69.8	70.0
IV 7000	53.7	60.4	64.1	66.9	69.2	69.6	70.4	71.1	71.5	71.7	72.8	73.0	73.2	73.2	73.2	73.4
IV 6000	56.2	63.1	67.1	70.0	72.3	72.7	73.8	74.6	75.1	75.3	76.5	76.7	76.9	76.9	76.9	77.1
IV 5000	58.1	65.8	70.0	72.8	75.3	75.7	76.9	77.6	78.2	78.4	79.5	79.7	79.9	79.9	79.9	80.1
IV 4500	58.3	66.0	70.7	73.6	76.1	76.5	77.6	78.4	79.0	79.2	80.3	80.5	80.7	80.7	80.7	80.9
IV 4000	59.7	68.5	73.6	76.5	79.5	80.1	81.3	82.0	82.6	82.8	83.9	84.1	84.3	84.3	84.3	84.5
IV 3500	61.4	70.4	75.7	78.8	82.6	83.2	84.3	85.1	85.7	85.9	87.0	87.2	87.4	87.4	87.4	87.6
IV 3000	62.0	70.9	76.3	79.3	83.2	83.7	85.1	85.9	86.4	86.8	88.0	88.1	88.3	88.3	88.3	88.5
IV 2500	62.7	72.5	77.8	80.9	85.3	85.9	87.6	88.3	88.9	89.3	90.4	90.6	90.8	90.8	90.8	91.0
IV 2000	63.7	73.8	79.3	82.4	87.8	88.3	90.8	91.6	92.2	92.7	93.9	94.1	94.3	94.3	94.3	94.5
IV 1800	63.7	73.8	79.3	82.4	88.0	88.5	91.0	91.8	92.4	92.9	94.1	94.3	94.5	94.5	94.5	94.6
IV 1500	63.7	73.8	79.3	82.4	88.7	89.3	91.8	92.9	93.5	94.1	95.2	95.4	95.6	95.6	95.6	95.8
IV 1200	63.7	73.8	79.3	82.4	89.1	89.7	92.4	93.7	94.3	94.8	96.0	96.4	96.6	96.6	96.6	96.9
IV 1000	63.7	73.8	79.3	82.4	89.1	89.7	92.5	93.9	94.5	95.4	96.6	97.1	97.5	97.5	97.5	97.9
IV 900	63.7	73.8	79.3	82.4	89.1	89.7	92.5	93.9	94.5	95.4	96.6	97.1	97.5	97.5	97.5	97.9
IV 800	63.7	73.8	79.3	82.4	89.1	89.7	92.5	93.9	94.5	95.4	96.6	97.1	97.5	97.5	97.5	97.9
IV 700	63.7	73.8	79.3	82.4	89.1	89.7	92.5	93.9	94.5	95.4	96.6	97.1	97.5	97.5	97.5	97.9
IV 600	63.7	73.8	79.3	82.4	89.1	89.7	92.5	94.1	94.6	95.6	96.7	97.3	97.7	97.7	97.7	98.1
IV 500	63.7	73.8	79.3	82.4	89.1	89.7	92.5	94.3	94.8	95.8	96.9	97.5	98.1	98.1	98.1	98.5
IV 400	63.7	73.8	79.3	82.4	89.1	89.7	92.5	94.3	94.8	95.8	96.9	97.5	98.1	98.1	98.1	98.7
IV 300	63.7	73.8	79.3	82.4	89.1	89.7	92.5	94.3	94.8	95.8	96.9	97.5	98.1	98.1	98.1	99.0
IV 200	63.7	73.8	79.3	82.4	89.1	89.7	92.5	94.3	94.8	95.8	96.9	97.5	98.1	98.1	98.1	99.0
IV 100	63.7	73.8	79.3	82.4	89.1	89.7	92.5	94.3	94.8	95.8	96.9	97.5	98.1	98.1	98.1	99.0
IV 0	63.7	73.8	79.3	82.4	89.1	89.7	92.5	94.3	94.8	95.8	96.9	97.5	98.1	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 523

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

CEILING VERSUS VISIBILITY

16603 EMBURY DAY MOUNTAIN

43-40-48-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ¼	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	40.0	45.7	48.4	49.8	51.4	51.6	52.4	53.7	53.7	54.1	55.3	55.3	55.9	55.9	55.9
IV 18000	42.3	50.0	53.0	54.3	55.9	56.1	56.9	58.3	58.3	58.7	59.8	59.8	60.4	60.4	60.4
IV 16000	43.5	50.2	53.1	54.5	56.1	56.3	57.1	58.5	58.5	58.9	60.0	60.0	60.6	60.6	60.6
IV 14000	43.7	50.4	53.3	54.7	56.3	56.5	57.3	58.7	58.7	59.1	60.2	60.2	60.8	60.8	60.8
IV 12000	44.1	51.0	53.9	55.3	56.9	57.1	57.9	59.3	59.3	59.6	60.8	60.8	61.4	61.4	61.4
IV 10000	46.1	53.0	55.9	57.3	58.9	59.1	60.0	61.8	61.8	62.2	63.4	63.4	64.0	64.0	64.0
IV 9000	49.6	58.5	59.4	60.8	62.4	62.6	63.6	65.4	65.4	65.7	66.9	66.9	67.5	67.5	67.5
IV 8000	51.4	58.5	61.4	62.8	64.4	64.6	65.6	67.3	67.3	67.7	68.9	68.9	69.5	69.5	69.5
IV 7000	53.3	60.4	63.4	64.8	66.3	66.5	67.5	69.3	69.3	69.7	70.9	70.9	71.5	71.5	71.5
IV 6000	55.9	63.0	66.5	68.5	70.3	70.5	71.5	73.2	73.2	73.6	74.8	74.8	75.4	75.4	75.4
IV 5000	58.1	66.3	70.1	72.2	74.0	74.2	75.4	77.2	77.2	77.6	78.9	78.9	79.5	79.5	79.5
IV 4500	60.0	68.9	73.4	75.6	77.4	77.6	78.7	80.5	80.5	81.1	82.3	82.3	82.9	82.9	82.9
IV 4000	60.6	69.2	74.0	76.4	78.1	78.3	79.5	81.3	81.3	81.9	83.1	83.1	83.7	83.7	83.7
IV 3500	61.2	70.9	75.6	78.0	80.7	80.9	82.3	84.1	84.1	84.8	86.0	86.0	86.6	86.6	86.6
IV 3000	61.4	73.6	78.3	80.9	84.1	84.4	86.0	88.0	88.0	88.8	90.2	90.2	90.7	90.7	90.7
IV 2500	64.2	74.6	79.3	82.1	85.4	85.8	87.4	89.4	89.4	90.2	91.5	91.5	92.3	92.3	92.3
IV 2000	64.4	75.6	80.3	83.1	86.8	87.4	89.0	90.9	90.9	91.7	93.1	93.1	93.9	93.9	93.9
IV 1800	64.6	76.0	80.7	83.7	88.0	88.8	90.6	92.5	92.5	93.3	94.7	94.7	95.3	95.3	95.3
IV 1500	65.2	76.6	81.3	84.3	88.8	89.6	91.7	93.9	93.9	94.7	96.1	96.1	96.9	96.9	96.9
IV 1200	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 1000	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 900	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 800	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 700	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 600	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 500	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 400	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 300	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 200	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 100	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8
IV 0	65.2	77.0	81.7	84.6	89.8	90.6	92.7	94.9	94.9	95.7	97.0	97.2	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 508

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

CEILING VERSUS VISIBILITY

10603 STATION ESTABLISHED MAY 1947 NOT APT

42-46,48-50 YEARS

4A7 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-0400
ROUTE R. 111

CEILING 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	33.7	37.7	38.2	38.7	39.1	39.2	39.7	40.7	40.7	41.2	41.2	41.2	42.1	42.4	42.9	43.1
IV 18000	37.0	41.8	42.3	43.8	44.3	44.4	44.9	46.0	46.0	46.5	46.6	46.6	47.5	47.8	48.3	48.5
IV 16000	37.4	41.8	42.6	43.8	44.3	44.4	44.9	46.0	46.0	46.5	46.6	46.6	47.5	47.8	48.3	48.5
IV 14000	37.9	42.3	43.1	44.3	44.8	44.9	45.5	46.5	46.5	47.3	47.5	47.5	48.3	48.7	49.2	49.3
IV 12000	38.7	43.3	44.1	45.3	46.0	46.1	46.6	47.8	47.8	48.7	48.8	48.8	49.7	50.0	50.5	50.7
IV 10000	41.2	46.1	47.0	48.1	48.8	49.0	49.5	50.7	50.7	51.5	51.7	51.7	52.5	52.9	53.4	53.5
IV 9000	43.3	48.1	49.0	50.2	50.8	51.2	51.7	53.0	53.0	54.0	54.2	54.2	55.1	55.4	55.9	56.1
IV 8000	44.6	49.3	50.3	51.3	52.2	52.5	53.0	54.4	54.4	55.4	55.6	55.6	56.4	56.7	57.2	57.4
IV 7000	47.3	52.7	54.0	55.2	55.9	56.2	56.7	58.1	58.1	59.1	59.3	59.3	60.1	60.4	60.9	61.1
IV 6000	50.0	55.7	57.2	58.6	59.8	60.3	60.8	62.1	62.1	63.1	63.3	63.3	64.1	64.2	65.0	65.2
IV 5000	54.5	61.1	63.0	64.5	66.5	67.0	67.5	69.0	69.4	70.5	70.7	70.7	71.5	71.9	72.4	72.6
IV 4500	57.4	64.6	66.5	68.4	70.7	71.2	71.7	73.2	73.6	74.7	74.9	74.9	75.8	76.1	76.6	76.9
IV 4000	57.9	65.5	67.3	69.2	71.5	72.1	72.9	74.6	74.9	76.3	76.4	76.4	77.3	77.6	78.1	78.5
IV 3500	60.4	69.0	71.5	73.6	76.9	77.4	78.6	80.3	80.6	82.0	82.2	82.2	83.0	83.3	83.8	84.2
IV 3000	62.1	71.5	74.2	76.3	79.8	80.3	81.8	83.7	84.0	85.4	85.5	85.5	86.4	86.7	87.2	87.7
IV 2500	63.0	72.7	75.6	77.6	81.3	81.8	83.7	85.7	86.0	87.4	87.5	87.5	88.4	88.7	89.2	89.7
IV 2000	63.0	73.2	76.4	78.6	82.5	83.0	85.2	87.2	87.3	89.1	89.2	89.2	90.1	90.4	90.9	91.4
IV 1800	63.3	73.6	77.1	79.3	84.0	84.5	86.7	88.7	89.1	91.1	91.2	91.2	92.1	92.4	92.9	93.4
IV 1600	63.3	73.6	77.3	79.3	84.5	85.0	87.5	89.6	89.9	92.3	92.4	92.4	93.3	93.6	94.1	94.6
IV 1400	63.3	73.6	77.4	79.6	84.7	85.2	87.7	89.7	90.1	92.4	92.6	92.6	93.4	93.8	94.3	94.8
IV 1200	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.6	91.8	95.8	96.1	96.1	97.0	97.3	97.8	98.3
IV 1000	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.6	91.8	96.0	96.3	96.3	97.1	97.5	98.0	98.5
IV 900	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.6	92.1	96.1	96.5	96.5	97.3	97.6	98.1	98.7
IV 800	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.6	92.1	96.1	96.5	96.5	97.3	97.6	98.1	98.7
IV 700	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.6	92.1	96.1	96.5	96.5	97.3	97.6	98.1	98.7
IV 600	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.6	92.3	96.3	96.6	96.6	97.6	98.0	98.5	99.2
IV 500	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.8	92.3	96.3	96.6	96.6	97.6	98.0	98.5	99.2
IV 400	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.8	92.3	96.3	96.6	96.6	97.6	98.0	98.5	99.2
IV 300	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.8	92.3	96.3	96.6	96.6	97.6	98.0	98.5	99.2
IV 200	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.8	92.3	96.3	96.6	96.6	97.6	98.0	98.5	99.2
IV 100	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.8	92.3	96.3	96.6	96.6	97.6	98.0	98.5	99.2
IV 0	63.3	73.6	77.6	79.8	85.2	85.9	89.4	91.8	92.3	96.3	96.6	96.6	97.6	98.0	98.5	99.2

TOTAL NUMBER OF OBSERVATIONS 396

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

CEILING VERSUS VISIBILITY

STATION 16603 EXHIBIT HBR MAY MAY DUT APT 42-46, 46-50 YEARS 1960-1969 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
MONTH (L.R.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.1	37.1	37.8	38.8	37.5	39.5	40.1	40.3	40.3	40.6	40.8	40.8	41.1	41.1	42.0	42.3
≥ 20000	40.5	43.3	44.7	46.0	47.0	47.0	48.1	48.2	48.2	48.6	48.7	48.9	49.6	49.6	50.4	50.8
IV 18000	41.0	44.0	45.2	46.5	47.6	47.6	48.6	48.7	48.7	49.1	49.2	49.4	50.1	50.1	50.9	51.3
IV 16000	41.3	44.4	45.5	46.9	47.9	47.9	48.9	49.1	49.1	49.4	49.6	49.7	50.4	50.4	51.3	51.6
IV 14000	41.5	45.4	46.5	48.1	49.1	49.1	50.3	50.4	50.4	50.8	50.9	51.1	51.8	51.8	52.6	53.0
IV 12000	43.7	47.4	49.1	50.6	51.6	51.6	53.0	53.1	53.1	53.5	53.6	54.0	54.6	54.6	55.5	55.8
IV 10000	46.0	50.3	51.4	53.0	54.1	54.3	55.8	56.0	56.0	56.5	57.0	57.2	57.8	57.8	58.7	59.0
IV 9000	47.4	51.6	52.8	54.3	55.5	55.6	57.2	57.3	57.3	57.8	58.3	58.5	59.2	59.2	60.0	60.4
IV 8000	49.4	53.6	55.0	56.7	57.8	58.2	59.7	59.9	59.9	60.4	60.9	61.0	61.7	61.7	62.6	62.9
IV 7000	51.9	56.3	57.8	60.0	61.6	61.9	63.7	63.9	64.1	64.8	65.3	65.4	66.1	66.1	66.9	67.3
IV 6000	54.6	59.9	61.4	64.1	65.9	66.3	68.3	68.5	68.6	69.3	69.8	70.0	70.7	70.7	71.5	71.8
IV 5000	57.0	63.2	64.9	67.8	69.8	70.2	72.3	72.5	72.7	73.4	73.9	74.0	74.7	74.7	75.5	75.9
IV 4500	57.2	63.9	65.6	68.6	71.0	71.3	73.5	73.7	73.9	74.5	75.0	75.2	75.9	75.9	76.7	77.1
IV 4000	59.2	65.9	67.6	72.0	75.4	75.9	78.9	79.1	79.3	79.9	80.4	80.6	81.3	81.3	82.1	82.5
IV 3500	60.2	67.6	69.5	74.0	77.4	77.9	80.9	81.1	81.3	82.0	82.5	82.6	83.3	83.3	84.1	84.7
IV 3000	60.5	68.9	70.8	75.5	79.1	79.6	82.6	82.8	83.0	83.6	84.1	84.3	85.0	85.0	85.8	86.3
IV 2500	61.4	69.5	71.8	76.6	80.3	80.8	84.1	84.7	84.8	85.5	86.0	86.2	86.8	86.8	87.7	88.2
IV 2000	61.9	70.3	73.0	77.9	81.8	82.3	86.2	87.0	87.4	88.5	89.0	89.2	89.9	89.9	90.7	91.2
IV 1800	61.9	70.3	73.0	77.9	81.8	82.3	86.3	87.2	87.5	88.9	89.4	89.5	90.2	90.2	91.1	91.6
IV 1500	61.9	70.3	73.0	77.9	82.0	82.5	86.7	87.7	88.0	89.7	90.6	90.7	91.7	91.9	92.7	93.3
IV 1200	61.9	70.3	73.0	77.9	82.0	82.5	86.7	87.7	88.0	89.7	90.6	90.7	91.7	91.9	92.7	93.3
IV 1000	61.9	70.3	73.0	77.9	82.1	82.6	88.5	89.7	90.1	92.9	93.9	94.1	95.3	95.4	96.3	97.0
IV 900	61.9	70.3	73.0	77.9	82.1	82.6	88.5	89.7	90.1	93.3	94.3	94.4	95.6	95.8	96.6	97.3
IV 800	61.9	70.3	73.0	77.9	82.1	82.6	88.5	89.9	90.2	93.4	94.8	94.9	96.1	96.3	97.1	97.8
IV 700	61.9	70.3	73.0	77.9	82.1	82.6	88.5	89.9	90.2	93.4	94.8	94.9	96.1	96.3	97.1	97.8
IV 600	61.9	70.3	73.0	77.9	82.1	82.6	88.5	89.9	90.2	93.4	94.8	94.9	96.1	96.3	97.1	97.8
IV 500	61.9	70.3	73.0	77.9	82.3	82.8	89.0	90.4	90.7	94.1	95.4	95.6	97.0	97.1	98.1	98.8
IV 400	61.9	70.3	73.0	77.9	82.3	82.8	89.0	90.4	90.7	94.1	95.4	95.6	97.0	97.1	98.3	99.0
IV 300	61.9	70.3	73.0	77.9	82.3	82.8	89.0	90.4	90.7	94.1	95.4	95.6	97.0	97.1	98.3	99.0
IV 200	61.9	70.3	73.0	77.9	82.3	82.8	89.0	90.4	90.7	94.1	95.4	95.6	97.0	97.1	98.3	99.0
IV 100	61.9	70.3	73.0	77.9	82.3	82.8	89.0	90.4	90.7	94.1	95.4	95.6	97.0	97.1	98.3	99.0
IV 0	61.9	70.3	73.0	77.9	82.3	82.8	89.0	90.4	90.7	94.1	95.4	95.6	97.0	97.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 593

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

CEILING VERSUS VISIBILITY

16603 STATION ENDWISHER BAY UNIT DUT APT

42-46,48-50

YEAR

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 ≥ 20000	35.6	41.2	41.6	42.8	42.9	42.9	43.3	43.6	43.6	43.8	43.8	43.8	43.8	43.8	44.1	45.0
IV 18000	41.2	47.0	47.4	48.6	49.2	49.6	50.4	51.1	51.1	51.4	51.6	51.6	51.6	51.6	52.0	52.8
IV 16000	41.9	47.7	48.0	49.2	49.9	50.3	51.1	51.8	51.8	52.1	52.3	52.3	52.3	52.3	52.6	53.5
IV 14000	42.1	47.9	48.2	49.4	50.1	50.4	51.3	52.0	52.0	52.3	52.5	52.5	52.5	52.5	52.8	53.7
IV 12000	43.1	49.2	49.6	50.8	51.4	51.8	52.6	53.3	53.3	53.7	53.8	53.8	53.8	53.8	54.2	55.0
IV 10000	45.8	52.1	52.5	53.7	54.3	54.7	55.5	56.2	56.2	56.6	57.2	57.2	57.2	57.2	57.6	58.4
IV 9000	47.9	54.2	54.7	55.9	56.7	57.1	57.9	58.6	58.6	58.9	59.6	59.6	59.6	59.6	60.0	60.8
IV 8000	48.7	55.4	55.9	57.1	57.9	58.3	59.1	59.8	59.8	60.1	60.8	60.8	60.8	60.8	61.2	62.0
IV 7000	50.4	57.6	58.4	59.6	60.5	60.8	61.7	62.4	62.4	62.7	63.4	63.4	63.4	63.4	63.7	64.6
IV 6000	51.8	59.1	60.1	61.3	62.2	62.5	63.5	64.6	64.6	64.9	65.6	65.6	65.6	65.6	66.1	67.0
IV 5000	54.3	62.2	63.2	64.4	65.6	65.9	67.1	68.1	68.1	68.8	69.7	69.7	69.7	69.7	70.0	70.9
IV 4500	56.7	65.6	66.6	68.1	70.2	70.5	71.9	72.9	72.9	73.6	74.4	74.4	74.4	74.4	74.8	75.6
IV 4000	57.6	66.4	67.8	69.2	71.6	71.9	74.1	75.1	75.1	76.0	76.8	76.8	76.8	76.8	77.2	78.0
IV 3500	58.3	67.3	69.2	71.0	74.1	74.4	77.0	78.0	78.0	78.9	79.7	79.7	79.7	79.7	80.1	80.9
IV 3000	60.0	70.2	72.1	74.4	77.7	78.0	80.6	81.6	81.6	82.5	83.3	83.3	83.3	83.3	83.6	84.5
IV 2500	60.3	71.0	73.1	76.0	79.6	79.9	82.6	83.8	83.8	84.7	85.9	85.9	85.9	85.9	86.2	87.1
IV 2000	60.6	71.7	73.9	76.8	80.6	80.9	83.8	85.0	85.0	85.9	87.1	87.1	87.1	87.2	87.6	88.4
IV 1800	61.2	72.4	74.8	78.0	81.9	82.3	85.5	86.9	86.9	87.7	88.9	88.9	88.9	89.3	89.6	90.6
IV 1500	61.2	72.6	75.0	78.2	82.1	82.5	85.9	87.2	87.2	88.6	89.8	89.8	89.8	90.5	90.8	91.8
IV 1200	61.3	72.7	75.3	78.5	82.5	82.8	86.2	87.6	87.6	88.9	90.1	90.1	90.8	90.8	91.1	92.2
IV 1000	61.3	72.7	75.3	78.5	82.6	83.0	86.4	89.8	89.8	92.5	93.9	93.9	95.1	95.1	95.6	96.8
IV 900	61.3	72.7	75.3	78.5	82.6	83.0	88.4	89.8	89.8	92.7	94.0	94.0	95.2	95.2	95.7	96.9
IV 800	61.3	72.7	75.3	78.5	82.6	83.0	88.4	89.8	89.8	92.7	94.0	94.0	95.2	95.2	95.7	96.9
IV 700	61.3	72.7	75.3	78.5	82.6	83.0	88.4	89.8	89.8	92.7	94.0	94.0	95.2	95.2	95.7	96.9
IV 600	61.3	72.7	75.3	78.5	82.6	83.0	88.4	89.8	89.8	92.7	94.0	94.0	95.2	95.2	95.7	96.9
IV 500	61.3	72.7	75.3	78.5	82.6	83.0	88.4	89.8	89.8	92.7	94.0	94.0	95.2	95.2	95.7	96.9
IV 400	61.3	72.7	75.3	78.5	82.6	83.0	88.4	89.8	89.8	92.7	94.0	94.0	95.2	95.2	95.7	96.9
IV 300	61.3	72.7	75.3	78.5	82.6	83.0	88.4	89.8	89.8	92.7	94.0	94.0	95.2	95.2	95.7	96.9
IV 200	61.3	72.7	75.3	78.5	82.6	83.0	88.4	89.8	89.8	92.7	94.0	94.0	95.2	95.2	95.7	96.9
IV 100	61.3	72.7	75.3	78.5	82.6	83.0	88.8	90.1	90.1	93.0	94.4	94.4	95.6	95.6	96.1	97.3
IV 0	61.3	72.7	75.3	78.5	82.6	83.0	88.8	90.1	90.1	93.0	94.4	94.4	95.6	95.6	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 587

USAF ETAC FORM JUL 54 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

CEILING VERSUS VISIBILITY

10633 EXHIBIT 404 DAY NOT D.T. APT

42-46-48-50

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1100

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	35.9	41.7	41.8	42.2	42.9	43.2	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.0
IV 18000	44.4	51.2	51.5	52.4	53.6	53.9	54.4	55.1	55.1	55.3	55.3	55.3	55.3	55.4	55.4	55.8
IV 16000	44.9	51.7	52.0	52.9	54.1	54.4	54.9	55.6	55.6	55.8	55.8	55.8	55.8	56.0	56.0	56.3
IV 14000	46.4	53.2	53.6	54.4	55.6	56.0	56.5	57.1	57.1	57.3	57.3	57.3	57.3	57.5	57.5	57.8
IV 12000	48.8	55.6	56.0	56.8	58.0	58.3	59.0	59.7	59.7	59.9	60.0	60.0	60.2	60.2	60.4	60.5
IV 10000	49.8	56.8	57.3	58.2	59.4	59.7	60.4	61.1	61.1	61.2	61.4	61.4	61.6	61.6	61.7	61.9
IV 9000	50.7	57.7	58.2	59.0	60.2	60.5	61.2	61.9	61.9	62.1	62.2	62.2	62.4	62.4	62.6	62.8
IV 8000	52.2	59.4	59.9	60.7	61.9	62.2	62.9	63.6	63.6	63.8	63.9	63.9	64.1	64.1	64.3	64.5
IV 7000	54.9	62.1	62.6	63.6	64.8	65.1	65.8	66.5	66.5	66.7	66.8	66.8	67.2	67.2	67.3	67.5
IV 6000	57.0	64.3	65.0	66.2	67.5	68.0	68.7	69.6	69.6	69.7	70.1	70.1	70.4	70.4	70.6	70.7
IV 5000	60.2	68.2	69.0	70.6	72.8	73.5	74.1	75.0	75.0	75.5	75.9	75.9	76.2	76.2	76.4	76.5
IV 4500	61.6	69.9	70.7	72.3	74.5	75.2	75.9	76.9	76.9	77.4	77.7	77.7	78.1	78.1	78.2	78.4
IV 4000	62.6	71.4	72.8	74.3	77.4	78.1	79.1	80.1	80.1	80.8	81.1	81.1	81.3	81.3	81.6	81.8
IV 3500	62.9	71.9	73.3	75.2	78.2	78.9	79.9	81.3	81.3	82.0	82.3	82.3	82.7	82.7	82.8	83.0
IV 3000	64.1	73.3	74.7	76.7	80.1	80.8	82.1	83.5	83.5	84.4	84.7	84.7	85.0	85.0	85.2	85.4
IV 2500	64.1	73.5	75.3	77.4	81.3	82.1	83.7	85.2	85.2	86.2	86.7	86.7	87.1	87.1	87.2	87.4
IV 2000	64.8	74.5	76.4	78.6	82.7	83.5	85.5	87.6	87.6	88.9	89.6	89.6	90.0	90.0	90.3	90.8
IV 1800	64.8	74.7	76.5	78.7	83.0	83.8	85.9	87.9	87.9	89.3	90.0	90.0	90.3	90.3	90.6	91.2
IV 1500	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 1200	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 1000	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 900	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 800	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 700	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 600	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 500	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 400	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 300	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 200	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 100	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7
IV 0	64.8	75.2	77.4	79.6	83.8	84.7	86.7	89.5	89.5	90.8	91.5	91.5	91.8	91.8	92.2	92.7

TOTAL NUMBER OF OBSERVATIONS 588

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

CEILING VERSUS VISIBILITY

16603 EXCHISHER DAY NLT DUT APT

42-46-48-50

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	30.1	42.9	43.8	44.5	46.0	46.1	46.3	46.9	46.9	47.4	47.4	47.4	47.4	47.6	47.8	48.1
≥ 20000	44.2	49.9	51.0	52.1	53.7	53.9	55.1	55.7	55.7	56.2	56.2	56.2	56.2	56.4	56.7	57.5
≥ 18000	44.5	50.3	51.3	52.4	54.0	54.2	55.5	56.0	56.0	56.6	56.6	56.6	56.6	56.6	57.1	57.8
≥ 16000	44.5	50.3	51.3	52.4	54.0	54.2	55.5	56.0	56.0	56.6	56.6	56.6	56.6	56.6	57.1	57.8
≥ 14000	45.2	51.0	52.1	53.1	54.8	54.9	56.2	56.7	56.7	57.3	57.3	57.3	57.3	57.5	57.8	58.5
≥ 12000	46.7	52.8	54.0	55.1	56.9	57.1	58.3	58.9	58.9	59.4	59.4	59.4	59.4	59.6	60.0	60.7
≥ 10000	47.8	53.9	55.1	56.4	58.3	58.5	59.8	60.3	60.3	60.9	60.9	60.9	60.9	61.0	61.4	62.1
≥ 9000	48.3	54.4	55.8	57.1	59.1	59.2	60.5	61.0	61.0	61.6	61.6	61.6	61.6	61.8	62.1	62.8
≥ 8000	49.7	55.8	57.3	58.5	60.9	61.0	62.3	62.8	62.8	63.4	63.4	63.4	63.4	63.6	63.9	64.6
≥ 7000	52.2	58.9	60.5	61.8	64.1	64.3	65.5	66.1	66.1	66.8	66.8	66.8	66.8	67.0	67.3	68.0
≥ 6000	54.4	61.8	63.6	65.0	67.5	67.7	68.9	69.8	69.8	70.6	70.7	70.7	70.7	70.9	71.3	72.0
≥ 5000	56.6	64.3	67.0	68.8	72.2	72.4	73.6	74.5	74.5	75.2	75.4	75.4	75.4	75.6	75.9	76.7
≥ 4500	57.5	65.5	68.2	70.2	73.8	74.0	75.2	76.1	76.1	76.8	77.0	77.0	77.0	77.2	77.6	78.3
≥ 4000	60.0	69.7	72.5	74.7	78.5	78.6	79.9	80.8	80.8	81.5	81.7	81.7	81.7	81.9	82.2	82.9
≥ 3500	60.5	70.4	73.4	75.6	79.4	79.5	80.8	81.7	81.7	82.4	82.6	82.6	82.6	82.8	83.1	83.8
≥ 3000	61.2	71.6	75.0	77.4	81.1	81.3	82.8	84.2	84.2	84.9	85.1	85.1	85.1	85.3	85.6	86.4
≥ 2500	61.4	72.0	75.4	78.1	82.2	82.4	83.8	85.3	85.3	86.2	86.4	86.4	86.4	86.5	86.9	87.6
≥ 2000	61.9	72.5	76.5	79.7	84.2	84.4	86.0	87.4	87.4	89.4	90.1	90.1	90.1	90.8	91.2	91.9
≥ 1800	62.1	72.7	76.7	79.9	84.9	85.1	86.7	88.2	88.2	90.1	90.8	90.8	91.4	91.6	91.9	92.6
≥ 1500	62.5	73.4	78.3	81.5	86.9	87.1	88.7	90.1	90.1	92.6	93.4	93.4	93.4	94.1	94.4	95.3
≥ 1200	62.5	73.4	78.3	81.5	86.9	87.1	88.7	90.3	90.3	92.8	93.5	93.5	94.1	94.3	94.6	95.5
≥ 1000	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	94.6	95.3	95.3	95.9	96.1	96.4	97.5
≥ 900	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	94.6	95.3	95.3	95.9	96.1	96.4	97.5
≥ 800	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	95.0	96.1	96.1	96.6	96.8	97.1	98.7
≥ 700	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	95.0	96.2	96.2	96.8	96.9	97.3	98.9
≥ 600	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	95.0	96.2	96.2	96.8	96.9	97.3	98.9
≥ 500	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	95.0	96.2	96.2	96.8	96.9	97.5	99.1
≥ 400	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	95.0	96.2	96.2	96.8	96.9	97.5	99.1
≥ 300	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	95.0	96.4	96.4	97.3	97.5	98.0	99.6
≥ 200	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	95.0	96.4	96.4	97.3	97.5	98.0	99.6
≥ 100	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	95.0	96.4	96.4	97.3	97.5	98.0	99.6
≥ 0	62.7	73.6	78.6	81.9	87.8	88.0	89.6	91.6	91.6	95.0	96.4	96.4	97.3	97.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 557

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

CEILING VERSUS VISIBILITY

10003 STATION ~~EMD5188R DAY MNT DUT ART~~

~~43-46-48-50~~

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

~~2100-2300~~
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.3	50.3	52.1	53.9	55.5	55.5	56.9	57.3	57.3	57.9	57.9	57.9	58.3	58.3	58.5	59.7
≥ 20000	45.7	53.9	55.7	57.5	59.1	59.1	60.5	60.9	60.9	61.5	61.5	61.5	61.9	61.9	62.1	63.3
IV 18000	45.9	54.1	55.9	57.7	59.3	59.3	60.7	61.1	61.1	61.7	61.7	61.7	62.1	62.1	62.3	63.5
IV 16000	46.1	54.3	56.1	57.9	59.5	59.5	60.9	61.3	61.3	61.9	61.9	61.9	62.3	62.3	62.5	63.7
IV 14000	46.3	54.5	56.3	58.1	59.7	59.7	61.1	61.5	61.5	62.1	62.1	62.1	62.5	62.5	62.7	63.9
IV 12000	47.5	55.7	57.5	59.3	60.9	60.9	62.3	62.7	62.7	63.3	63.3	63.3	63.7	63.7	63.9	65.1
IV 10000	48.7	56.9	58.7	60.5	62.1	62.1	63.5	63.9	63.9	64.5	64.5	64.5	64.9	64.9	65.1	66.3
IV 9000	49.1	57.3	59.1	60.9	62.5	62.5	63.9	64.3	64.3	64.9	64.9	64.9	65.3	65.3	65.5	66.7
IV 8000	50.3	58.5	60.3	62.1	63.7	63.7	65.1	65.5	65.5	66.1	66.1	66.1	66.5	66.5	66.7	67.9
IV 7000	50.9	59.1	60.9	62.5	64.1	64.1	65.5	65.9	65.9	66.5	66.5	66.5	66.9	66.9	67.1	68.3
IV 6000	52.3	60.5	62.3	63.9	65.5	65.5	66.9	67.3	67.3	67.9	67.9	67.9	68.3	68.3	68.5	69.7
IV 5000	56.1	64.3	66.1	67.7	69.3	69.3	70.7	71.1	71.1	71.7	71.7	71.7	72.1	72.1	72.3	73.5
IV 4500	57.9	66.1	67.9	69.5	71.1	71.1	72.5	72.9	72.9	73.5	73.5	73.5	73.9	73.9	74.1	75.3
IV 4000	59.1	67.3	69.1	70.7	72.3	72.3	73.7	74.1	74.1	74.7	74.7	74.7	75.1	75.1	75.3	76.5
IV 3500	59.7	67.9	69.7	71.3	72.9	72.9	74.3	74.7	74.7	75.3	75.3	75.3	75.7	75.7	75.9	77.1
IV 3000	60.5	68.7	70.5	72.1	73.7	73.7	75.1	75.5	75.5	76.1	76.1	76.1	76.5	76.5	76.7	77.9
IV 2500	61.1	69.3	71.1	72.7	74.3	74.3	75.7	76.1	76.1	76.7	76.7	76.7	77.1	77.1	77.3	78.5
IV 2000	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 1800	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 1500	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 1200	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 1000	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 900	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 800	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 700	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 600	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 500	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 400	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 300	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 200	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 100	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1
IV 0	61.9	69.9	71.7	73.3	74.9	74.9	76.3	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.9	79.1

TOTAL NUMBER OF OBSERVATIONS 499

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

CEILING VERSUS VISIBILITY

16612 STATION FORT HARRIS DAY MONTH APT

42-47-49-50

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4000-0200
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 ≥ 20000	42.5	46.6	47.0	47.4	47.6	47.8	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 18000	44.2	48.3	48.7	49.1	49.3	49.6	50.0	50.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 16000	44.4	48.5	48.9	49.3	49.6	49.8	50.2	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 14000	44.8	48.9	49.3	49.6	49.8	50.2	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 12000	45.0	49.1	49.4	49.8	50.0	50.6	50.9	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 10000	46.1	50.2	50.6	50.9	51.1	51.7	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 9000	47.0	51.1	51.5	52.1	52.2	52.8	53.4	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 8000	49.1	53.4	53.7	54.3	54.7	55.2	55.8	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 7000	50.7	55.4	55.8	56.3	56.9	57.5	58.2	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 6000	53.0	59.0	59.5	60.1	60.8	61.4	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 5000	56.0	62.7	63.8	64.4	65.1	65.7	66.6	67.0	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 4500	56.5	63.8	65.1	66.0	67.0	67.5	68.8	69.2	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 4000	57.4	66.4	68.2	70.0	71.3	71.8	73.1	73.3	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 3500	60.3	68.7	70.9	72.4	73.7	74.3	75.6	75.9	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000	62.3	72.2	75.0	76.7	78.0	78.5	80.2	80.6	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2500	64.0	75.4	79.3	81.2	82.5	83.0	85.4	85.8	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2000	65.9	78.0	82.8	84.7	86.4	86.9	89.4	89.7	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1800	66.6	79.1	84.0	86.2	87.9	88.4	90.9	91.2	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1500	68.1	81.2	86.0	88.2	90.9	91.4	94.0	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200	68.1	81.2	86.0	88.2	91.0	91.6	94.4	95.1	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 600	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 500	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 0	68.3	81.3	86.2	88.4	91.6	92.2	95.1	95.9	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 546

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

CEILING VERSUS VISIBILITY

16601 ENKELSHAW BAY INT DUT APT

42-47-49-30

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0700-0700
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	35.3	38.0	39.0	39.0	39.2	39.2	39.2	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 18000	35.3	39.0	39.4	39.4	39.6	39.6	39.6	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 16000	35.3	39.0	39.4	39.4	39.6	39.6	39.6	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 14000	35.9	40.0	40.4	40.4	40.6	40.6	40.6	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 12000	36.2	42.4	42.9	42.9	43.1	43.1	43.1	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 10000	40.2	45.1	45.5	45.5	45.7	45.7	45.7	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 9000	41.2	46.1	46.5	46.5	46.7	46.7	46.7	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 8000	45.9	51.0	51.4	51.4	51.6	51.6	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 7000	47.1	52.9	53.5	53.5	54.1	54.1	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 6000	50.4	56.7	58.2	58.2	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 5000	53.5	60.0	62.0	62.2	63.7	63.9	63.9	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 4500	55.1	63.1	64.5	64.9	66.3	66.5	66.5	66.5	66.9	67.3	67.6	67.6	67.6	67.6	67.6	67.6
IV 4000	59.0	67.6	69.6	71.0	73.3	73.5	74.3	74.3	74.7	74.9	74.9	74.9	74.9	74.9	74.9	75.1
IV 3500	61.2	71.2	73.5	75.5	77.8	78.0	78.8	78.8	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.6
IV 3000	63.5	74.7	77.3	79.6	82.2	82.7	83.9	83.9	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.7
IV 2500	65.9	78.4	81.2	83.9	86.9	87.6	89.0	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.8
IV 2000	67.8	80.4	83.9	86.7	89.8	90.4	92.0	92.0	92.4	92.9	92.9	92.9	92.9	92.9	92.9	93.1
IV 1800	68.4	81.0	84.5	87.3	91.0	91.6	93.3	93.3	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.3
IV 1500	69.6	84.1	86.9	89.8	93.9	94.5	96.1	96.1	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.3
IV 1200	67.8	83.3	87.1	90.0	94.3	95.1	96.9	96.9	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.2
IV 1000	69.8	83.3	87.1	90.0	94.3	95.1	97.1	97.1	97.3	97.8	98.6	98.6	98.6	98.6	98.6	98.8
IV 900	69.8	83.3	87.1	90.0	94.5	95.3	97.3	97.3	97.6	98.0	98.8	98.8	98.8	98.8	98.8	99.0
IV 800	69.8	83.3	87.1	90.0	94.5	95.3	97.3	97.3	97.8	98.2	99.0	99.0	99.0	99.0	99.0	99.4
IV 700	69.8	83.3	87.1	90.0	94.5	95.3	97.3	97.3	97.8	98.2	99.2	99.2	99.2	99.2	99.4	99.6
IV 600	69.8	83.3	87.1	90.0	94.5	95.3	97.3	97.3	97.8	98.2	99.2	99.2	99.2	99.2	99.4	99.6
IV 500	69.8	83.3	87.1	90.0	94.5	95.3	97.3	97.3	97.8	98.2	99.2	99.2	99.2	99.2	99.6	99.8
IV 400	69.8	83.3	87.1	90.0	94.5	95.3	97.3	97.3	97.8	98.2	99.2	99.2	99.2	99.2	99.6	99.8
IV 300	69.8	83.3	87.1	90.0	94.5	95.3	97.3	97.3	97.8	98.2	99.2	99.2	99.2	99.2	99.6	99.8
IV 200	69.8	83.3	87.1	90.0	94.5	95.3	97.3	97.3	97.8	98.2	99.2	99.2	99.2	99.2	99.6	99.8
IV 100	69.8	83.3	87.1	90.0	94.5	95.3	97.3	97.3	97.8	98.2	99.2	99.2	99.2	99.2	99.6	99.8
IV 0	69.8	83.3	87.1	90.0	94.5	95.3	97.3	97.3	97.8	98.2	99.2	99.2	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 440

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

CEILING VERSUS VISIBILITY

166-1 STATION 166-1 EXHIBIT 2 MAY 1954

42-47,49-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

640-0-00

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.5	34.2	35.0	35.5	35.6	35.6	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 20000	35.8	39.7	40.2	40.6	40.8	40.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 18000	35.8	39.7	40.2	40.6	40.8	40.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 16000	36.5	40.3	40.8	41.4	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 14000	38.1	41.9	42.4	42.9	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 12000	37.2	43.2	43.7	44.2	44.4	44.4	44.4	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000	41.6	46.0	46.5	46.9	47.1	47.1	47.1	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 9000	43.1	47.4	47.9	48.4	48.5	48.5	48.5	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 8000	46.9	52.6	53.1	53.5	53.7	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	49.8	56.6	57.3	57.9	58.7	58.7	58.9	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 6000	51.9	60.8	62.3	63.1	63.9	63.9	64.0	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	55.2	66.5	68.0	67.3	68.7	68.7	68.9	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500	56.5	66.1	67.6	68.9	70.5	70.5	70.6	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4000	60.8	70.6	72.6	74.9	76.1	76.1	77.3	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500	67.1	72.6	74.7	76.1	78.7	78.7	80.2	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3000	65.8	77.4	80.2	81.8	84.5	84.5	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	67.3	79.5	82.7	84.7	87.4	87.4	89.2	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000	69.8	82.1	85.3	87.3	90.5	90.5	92.4	92.9	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1800	69.8	82.1	85.3	87.3	90.5	90.5	92.4	92.9	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500	70.0	82.9	86.3	88.2	91.5	91.5	93.4	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	70.0	82.9	86.3	88.2	91.5	91.5	93.4	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	70.2	83.1	86.5	88.4	91.6	91.6	94.2	95.0	95.0	96.1	96.6	96.6	96.6	97.7	97.7	97.7
≥ 900	70.2	83.1	86.5	88.4	91.6	91.6	94.2	95.0	95.0	96.1	96.6	96.6	96.6	97.7	97.7	97.7
≥ 800	70.2	83.1	86.5	88.4	91.6	91.6	94.2	95.0	95.0	96.1	96.6	96.6	96.6	97.7	97.7	97.7
≥ 700	70.2	83.1	86.5	88.4	91.6	91.6	94.2	95.0	95.0	96.1	96.6	96.6	96.6	97.7	97.7	97.7
≥ 600	70.2	83.1	86.5	88.4	91.6	91.6	94.2	95.0	95.0	96.1	96.6	96.6	96.6	97.7	97.7	97.7
≥ 500	70.3	83.2	86.6	88.5	91.8	91.8	94.4	95.3	95.3	96.8	97.4	97.4	97.4	99.7	99.7	99.7
≥ 400	70.3	83.2	86.6	88.5	91.8	91.8	94.4	95.3	95.3	96.8	97.4	97.4	97.4	99.7	99.7	99.7
≥ 300	70.3	83.2	86.6	88.5	91.8	91.8	94.4	95.3	95.3	96.8	97.4	97.4	97.4	99.7	99.7	99.7
≥ 200	70.3	83.2	86.6	88.5	91.8	91.8	94.4	95.3	95.3	96.8	97.4	97.4	97.4	99.7	99.7	99.7
≥ 100	70.3	83.2	86.6	88.5	91.8	91.8	94.4	95.3	95.3	96.8	97.4	97.4	97.4	99.8	99.8	99.8
≥ 0	70.3	83.2	86.6	88.5	91.8	91.8	94.4	95.3	95.3	96.8	97.4	97.4	97.4	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 640

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

CEILING VERSUS VISIBILITY

16633 STATION ECHO, 148 JAY T. DUT APT

42-47, 49-50

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
MONTH

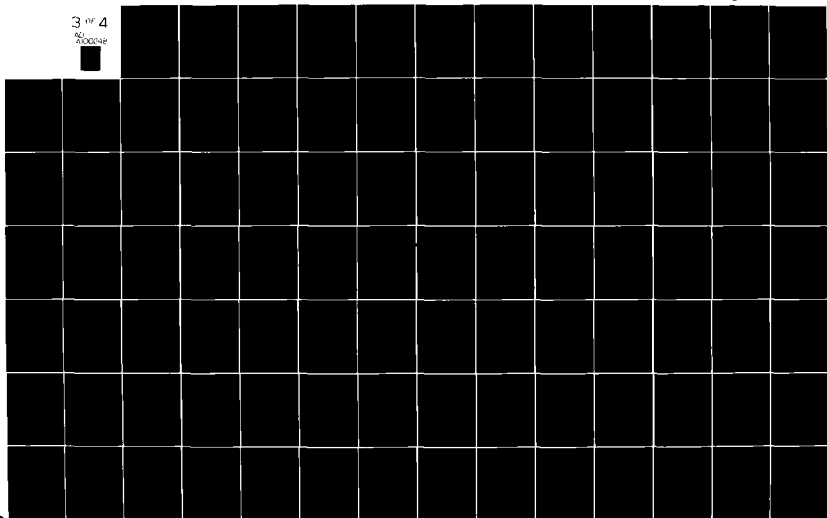
CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	30.4	38.1	38.1	38.1	30.2	38.2	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	40.2	43.0	43.0	43.0	43.5	43.5	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 18000	40.2	43.0	43.0	43.0	43.5	43.5	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 16000	41.2	44.0	44.0	44.0	44.7	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 14000	42.8	46.0	46.7	47.2	47.4	47.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 12000	44.9	47.7	48.1	48.6	48.8	48.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 10000	46.1	48.9	49.4	49.8	50.0	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 9000	46.9	50.5	50.9	51.4	51.5	51.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 8000	50.8	54.0	55.1	55.6	55.9	56.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 7000	53.3	58.0	59.0	59.4	60.4	60.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000	57.3	63.2	65.0	65.8	66.7	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 5000	59.6	65.9	67.8	68.7	70.1	70.3	70.7	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 4000	60.8	67.5	69.3	70.3	71.7	72.0	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 4010	64.4	71.5	73.5	74.9	76.8	77.2	77.9	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 350	65.2	72.6	74.6	76.0	77.3	79.3	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3000	68.9	77.2	79.7	81.3	83.9	84.8	85.6	86.2	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500	70.3	78.9	81.6	83.1	85.8	86.8	87.9	88.9	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2000	71.4	80.3	83.7	85.8	89.2	90.4	91.8	92.9	93.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800	71.4	80.3	83.7	85.8	89.3	90.6	92.0	93.0	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500	71.4	80.3	83.7	85.8	89.9	91.2	92.6	93.8	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	71.5	81.0	84.7	86.7	90.2	91.5	92.9	94.3	94.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	71.5	81.0	84.7	86.7	90.2	91.5	93.2	94.9	95.2	96.7	97.2	97.2	97.8	97.8	97.8	97.8
IV 900	71.5	81.0	84.7	86.7	90.2	91.5	93.2	94.9	95.2	96.7	97.2	97.2	97.8	97.8	97.8	97.8
IV 800	71.5	81.0	84.7	86.7	90.2	91.5	93.2	94.9	95.2	96.7	97.2	97.2	97.8	97.8	97.8	97.8
IV 700	71.5	81.0	84.7	86.7	90.2	91.5	93.2	94.9	95.2	96.7	97.2	97.2	97.8	97.8	97.8	97.8
IV 600	71.5	81.0	84.7	86.7	90.2	91.5	93.2	94.9	95.2	96.7	97.2	97.2	97.8	97.8	97.8	97.8
IV 500	71.7	81.1	84.8	86.8	90.4	91.6	93.3	95.0	95.4	97.1	97.5	97.5	98.8	98.8	98.8	98.8
IV 400	71.7	81.1	84.8	86.8	90.4	91.6	93.3	95.0	95.4	97.1	97.5	97.5	98.8	98.8	98.8	98.8
IV 300	71.7	81.1	84.8	86.8	90.4	91.6	93.3	95.0	95.4	97.2	97.7	97.7	98.9	98.9	98.9	98.9
IV 200	71.7	81.1	84.8	86.8	90.4	91.6	93.3	95.0	95.4	97.4	97.8	97.8	99.2	99.2	99.2	99.2
IV 100	71.7	81.1	84.8	86.8	90.4	91.6	93.3	95.0	95.4	97.5	98.0	98.0	99.4	99.4	99.4	99.4
IV 0	71.7	81.1	84.8	86.8	90.4	91.6	93.3	95.0	95.4	97.5	98.0	98.0	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

544

AF-A100 248 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC 870 071
PROBISHER BAY, DUFFIN ISLAND, NORTHWEST TERRITORIES, CANADA, RE--
JAN 70
CLASSIFIED USAFETAC/DS-81/043 SBIE-AD-E850 071

3 of 4
AL
000000



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

CEILING VERSUS VISIBILITY

166.1 STATION FAIRBURN LAY DET APT

42-47-49-50

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
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 ≥ 20000	38.3	40.6	41.4	41.4	41.7	41.7	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 18000	41.3	43.6	46.4	46.7	47.1	47.1	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 16000	42.5	46.8	47.6	47.9	48.4	48.4	48.8	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 14000	44.5	48.8	49.6	49.9	50.4	50.4	50.9	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 12000	46.5	51.6	51.8	52.1	52.6	52.6	53.0	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 10000	49.8	54.3	55.0	55.3	55.8	55.8	56.3	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 9000	51.2	56.3	57.0	57.3	57.8	57.8	58.3	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 8000	54.1	59.4	60.6	61.2	61.7	61.7	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 7000	56.4	62.0	63.5	64.1	64.8	64.8	65.2	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 6000	58.4	64.6	66.6	67.5	68.5	68.5	68.9	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 5000	61.1	67.9	70.0	71.7	73.3	73.3	73.7	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4500	62.0	69.6	71.7	73.4	75.1	75.1	75.7	75.9	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 4000	65.2	73.7	76.5	78.5	80.8	80.8	81.5	81.6	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3500	66.3	75.6	78.4	80.4	83.0	83.2	83.9	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3000	69.1	78.7	81.5	83.6	86.6	86.7	87.5	87.6	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 2500	69.4	79.1	81.9	84.1	87.0	87.2	88.3	88.6	88.9	89.5	89.6	89.6	89.6	89.6	89.6	89.6
IV 2000	70.3	80.1	83.6	85.9	89.5	89.6	91.5	91.8	92.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5
IV 1800	70.3	80.1	83.6	85.9	89.6	89.8	91.7	92.0	92.3	93.7	93.8	93.8	94.0	94.0	94.0	94.0
IV 1500	70.6	80.2	84.1	86.4	90.1	90.3	92.1	92.6	92.9	94.4	94.7	94.7	94.9	94.9	94.9	94.9
IV 1200	70.6	80.5	84.1	86.4	90.1	90.3	92.1	92.7	93.0	94.7	95.1	95.1	95.2	95.2	95.2	95.2
IV 1000	70.8	80.7	84.2	86.6	90.3	90.4	92.7	93.7	94.0	95.8	96.1	96.1	96.8	96.8	96.8	96.8
IV 900	70.8	80.7	84.2	86.6	90.3	90.4	92.7	93.8	94.1	96.0	96.3	96.3	96.9	96.9	96.9	96.9
IV 800	70.8	80.7	84.2	86.6	90.3	90.4	92.7	93.8	94.1	96.0	96.3	96.3	96.9	96.9	97.1	97.1
IV 700	70.8	80.7	84.2	86.6	90.3	90.4	92.7	93.8	94.1	96.0	96.3	96.3	96.9	96.9	97.1	97.1
IV 600	70.8	80.7	84.2	86.6	90.3	90.4	92.7	93.8	94.1	96.0	96.3	96.3	96.9	96.9	97.1	97.1
IV 500	70.8	80.7	84.2	86.6	90.3	90.6	93.0	94.1	94.4	96.8	97.1	97.1	98.1	98.1	98.3	98.3
IV 400	70.8	80.7	84.2	86.6	90.3	90.6	93.0	94.1	94.4	96.8	97.1	97.1	98.1	98.1	98.3	98.3
IV 300	70.8	80.7	84.2	86.6	90.3	90.6	93.0	94.1	94.4	96.8	97.1	97.1	98.1	98.1	98.3	98.3
IV 200	70.8	80.7	84.2	86.6	90.3	90.6	93.0	94.1	94.4	96.8	97.1	97.1	98.1	98.1	98.3	98.3
IV 100	70.8	80.7	84.2	86.6	90.3	90.6	93.0	94.1	94.4	96.9	97.2	97.2	98.6	98.6	98.9	98.9
IV 0	70.8	80.7	84.2	86.6	90.3	90.6	93.0	94.1	94.4	96.9	97.2	97.2	98.6	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 647

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

CEILING VERSUS VISIBILITY

16603 STATION ERIE/ISLER HAV NY T DIT APT

42-47,49-50

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-1700
HOURS (L.V.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	37.3	39.3	39.8	39.9	39.9	39.9	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.4	40.4
IV 18000	44.7	48.1	48.8	49.2	49.2	49.2	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.7	49.7
IV 16000	47.2	50.6	51.2	51.7	51.7	51.7	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.2	52.2
IV 14000	49.4	52.8	53.4	53.9	53.9	53.9	54.0	54.0	54.0	54.2	54.2	54.2	54.2	54.2	54.3	54.3
IV 12000	51.5	55.4	56.0	56.5	56.5	56.5	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.1	57.1
IV 10000	53.3	57.1	57.7	58.2	58.2	58.2	58.5	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.8	58.8
IV 9000	55.0	59.4	60.1	60.5	60.7	60.7	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.2	61.2
IV 8000	56.8	61.5	62.1	62.5	62.7	62.7	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.3	63.3
IV 7000	59.4	65.0	65.6	66.3	66.9	66.9	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.5	67.5
IV 6000	61.9	67.8	68.7	69.3	70.4	70.4	70.7	70.7	70.7	70.9	70.9	70.9	70.9	70.9	71.1	71.1
IV 5000	65.8	72.4	73.8	74.6	75.7	75.9	76.6	76.6	76.6	77.1	77.1	77.1	77.1	77.1	77.2	77.2
IV 4500	66.4	74.1	75.7	76.5	77.6	77.7	78.4	78.6	78.6	78.9	78.9	78.9	78.9	78.9	79.1	79.1
IV 4000	68.7	77.2	78.9	79.9	81.4	81.7	82.8	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.4	83.4
IV 3500	69.8	78.5	80.7	81.6	83.4	83.7	84.8	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.4	85.4
IV 3000	72.6	81.4	83.9	85.1	87.2	87.3	88.5	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.2	89.2
IV 2500	72.9	82.2	85.1	86.4	88.7	89.3	90.4	90.6	90.6	90.9	90.9	90.9	90.9	90.9	91.0	91.0
IV 2000	73.8	83.3	86.2	87.8	90.6	91.3	92.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.1	94.1
IV 1800	74.0	83.4	86.4	87.9	90.7	91.3	92.9	93.8	93.8	94.3	94.3	94.3	94.3	94.3	94.4	94.4
IV 1500	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 1200	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 1000	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 900	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 800	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 700	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 600	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 500	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 400	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 300	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 200	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 100	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 0	74.3	83.9	86.8	88.7	91.5	92.3	93.8	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS 646

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

CEILING VERSUS VISIBILITY

106.3 STATION FRIDISHER DAY OUT APT

42-47.49-50 YEARS

APD
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
MONTH (LYR)

CEILING 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	33.7	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IV 18000	38.5	41.0	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 16000	39.0	42.1	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 14000	40.6	43.7	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 12000	42.5	45.8	46.0	46.0	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 10000	44.6	48.4	48.6	48.6	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 9000	47.4	51.2	51.4	51.4	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 8000	48.6	52.6	52.8	52.8	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 7000	51.2	56.1	56.5	56.5	57.2	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 6000	55.8	60.8	61.2	61.2	61.9	62.1	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 5000	59.4	65.2	65.9	65.9	66.8	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4500	62.2	69.4	70.6	70.6	71.7	71.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4000	64.2	71.3	72.6	72.6	73.6	73.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	66.6	74.4	75.9	75.9	77.1	77.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3000	68.0	75.9	78.3	78.3	79.7	79.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2500	70.5	78.8	82.7	82.7	85.1	85.3	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2000	71.9	80.4	84.6	84.6	87.2	87.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	73.3	82.9	87.4	87.4	91.1	91.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1600	73.3	83.0	87.6	87.6	91.3	91.8	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	73.4	83.2	87.8	87.8	92.3	92.8	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	73.4	83.2	87.8	87.8	92.3	92.8	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000	73.6	83.4	88.1	88.1	93.0	93.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	73.6	83.4	88.1	88.1	93.0	93.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	73.6	83.4	88.1	88.1	93.0	93.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 700	73.6	83.4	88.1	88.1	93.0	93.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 600	73.6	83.4	88.1	88.1	93.0	93.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 500	73.6	83.4	88.1	88.1	93.0	93.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 400	73.6	83.4	88.1	88.1	93.0	93.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 300	73.6	83.4	88.1	88.1	93.0	93.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 200	73.6	83.4	88.1	88.1	93.0	93.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 100	73.6	83.4	88.1	88.1	93.0	93.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 0	73.6	83.4	88.1	88.1	93.0	93.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 572

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

CEILING VERSUS VISIBILITY

STATION 16603 ESTABLISHED DAY NOV OUT APT 42-47,49-50 YEARS 2100-2300 MONTH APR
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 ≥ 25000	41.6	45.3	46.7	46.7	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 18000	43.4	47.3	48.6	48.8	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 16000	43.4	47.3	48.6	48.8	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 14000	43.6	47.5	48.8	49.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 12000	44.9	49.2	50.6	50.8	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 10000	47.1	51.4	52.7	52.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 9000	47.1	51.4	52.7	52.9	53.9	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 8000	50.0	54.5	55.9	56.1	57.0	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 7000	51.6	56.4	57.8	58.0	59.0	59.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 6000	54.1	60.7	62.3	62.5	63.5	63.5	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 5000	56.4	64.3	66.2	66.6	67.6	67.6	69.1	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500	57.2	65.0	67.8	68.6	69.5	69.5	71.1	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4000	59.6	68.2	71.3	72.1	73.0	73.0	74.6	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 3500	61.7	71.7	75.4	76.4	77.5	77.7	79.5	79.7	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 3000	63.9	75.0	79.9	80.9	82.0	82.4	84.4	84.6	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	66.0	77.1	82.4	83.8	85.0	85.4	87.5	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	68.2	80.2	86.5	88.1	89.3	90.0	92.8	93.2	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800	68.4	80.9	86.9	88.3	89.6	90.4	93.2	93.6	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	69.3	82.0	88.7	90.2	91.6	92.8	95.9	96.3	96.3	96.9	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	69.5	82.8	88.9	90.4	91.8	93.0	96.1	96.5	96.5	97.1	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.5	97.9	98.0	98.0	98.0	98.0	98.0
IV 900	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.5	97.9	98.0	98.0	98.0	98.0	98.0
IV 800	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.5	98.2	98.4	98.4	98.4	98.4	98.4
IV 700	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.5	98.2	98.4	98.4	98.4	98.4	98.4
IV 600	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.5	98.2	98.4	98.4	98.4	98.4	98.4
IV 500	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.7	98.4	98.6	98.6	98.6	98.6	98.6
IV 400	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.7	98.4	98.6	98.6	98.6	98.6	98.6
IV 300	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.7	98.4	98.6	98.6	98.6	98.6	98.6
IV 200	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.7	98.4	98.6	98.6	98.6	98.6	98.6
IV 100	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.7	98.4	98.6	98.6	98.6	98.6	98.6
IV 0	69.5	82.8	88.9	90.4	92.0	93.2	96.5	96.9	96.9	97.7	98.4	98.6	98.6	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 512

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

CEILING VERSUS VISIBILITY

STATION 16603 FRONISER HAY MAT CUT APT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0700
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	21.2	21.2	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 20000	20.6	21.0	21.8	21.4	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
IV 18000	20.6	21.6	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
IV 16000	20.7	21.7	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IV 14000	20.7	21.7	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IV 12000	21.8	22.8	23.6	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
IV 10000	22.9	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
IV 9000	23.3	24.3	24.8	24.4	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV 8000	24.2	25.4	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
IV 7000	25.9	28.2	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 6000	29.2	31.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV 5000	32.4	34.8	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 4500	33.9	36.7	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 4000	40.2	44.2	44.6	44.8	45.1	45.1	45.1	45.2	45.2	45.4	45.4	45.5	45.5	45.5	45.5	45.5
IV 3500	44.8	49.3	50.6	50.9	51.1	51.1	51.3	51.4	51.4	51.9	52.1	52.1	52.1	52.1	52.1	52.1
IV 3000	51.4	56.6	58.5	58.8	59.2	59.3	59.4	59.6	59.6	60.1	60.2	60.2	60.2	60.2	60.2	60.4
IV 2500	56.8	63.1	65.5	66.1	66.5	66.7	67.1	67.2	67.2	67.7	67.9	67.9	67.9	67.9	67.9	68.0
IV 2000	62.7	70.7	74.3	75.0	75.8	76.0	76.6	76.7	76.7	77.6	77.5	77.5	77.5	77.5	77.5	77.6
IV 1800	63.1	71.4	75.0	75.6	76.4	76.7	77.4	77.5	77.5	78.2	78.4	78.4	78.4	78.4	78.4	78.6
IV 1500	66.9	75.4	79.0	79.7	80.7	81.1	82.3	82.5	82.5	83.3	83.3	83.3	83.3	83.3	83.3	83.8
IV 1200	67.3	75.9	79.7	80.3	81.4	81.8	83.0	83.1	83.1	84.1	84.3	84.5	84.5	84.5	84.5	84.6
IV 1000	68.8	77.9	81.9	82.9	84.5	84.9	87.1	88.0	88.1	90.1	91.0	91.2	91.4	91.4	91.4	91.6
IV 900	68.9	78.2	82.2	83.1	84.7	85.1	87.6	88.4	88.5	90.5	91.4	91.6	91.8	91.8	91.8	92.0
IV 800	69.1	78.3	82.3	83.3	84.9	85.3	87.8	88.8	88.9	90.9	92.0	92.1	92.5	92.5	92.5	92.6
IV 700	69.5	78.7	82.7	83.8	85.4	85.8	88.4	89.4	89.6	92.0	93.0	93.2	93.6	93.6	93.6	93.7
IV 600	69.5	78.7	82.7	83.8	85.4	85.8	88.8	89.8	90.0	92.6	93.7	93.8	94.2	94.2	94.2	94.4
IV 500	69.5	78.7	82.9	84.1	85.7	86.1	89.2	90.2	90.6	94.0	95.3	95.4	96.1	96.1	96.1	96.3
IV 400	69.5	79.0	83.4	84.6	86.2	86.6	89.7	91.3	91.7	95.0	96.4	96.5	97.2	97.2	97.2	97.3
IV 300	69.7	79.5	84.1	85.3	87.0	87.4	90.5	92.1	92.6	96.1	97.5	97.6	98.4	98.4	98.4	98.5
IV 200	69.7	79.7	84.2	85.4	87.1	87.6	90.6	92.4	92.9	96.3	98.0	98.1	98.9	98.9	98.9	99.5
IV 100	69.9	79.8	84.3	85.5	87.3	87.7	90.8	92.5	93.0	96.8	98.3	98.4	99.3	99.3	99.3	100.0
IV 0	69.9	79.8	84.3	85.5	87.3	87.7	90.8	92.5	93.0	96.8	98.3	98.4	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 747

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

CEILING VERSUS VISIBILITY

14402 EMBLETTON BAY NAT DIST APT

42-30

YEARS

1 MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0400

CEILING FEET:	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 4	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	19.5	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
IV 18000	19.3	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 16000	19.3	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 14000	19.6	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
IV 12000	20.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
IV 10000	21.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
IV 8000	21.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 7000	23.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
IV 6000	26.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 5000	28.1	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
IV 4500	31.6	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 4000	33.7	35.8	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4
IV 3500	41.4	44.1	44.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0
IV 3000	45.6	51.0	51.2	51.8	51.9	51.9	51.9	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 2500	53.3	59.8	60.4	61.2	61.4	61.4	61.4	61.4	61.4	62.1	62.3	62.3	62.3	62.3	62.3	62.3
IV 2000	68.9	67.0	67.8	69.2	69.8	69.9	70.0	70.2	70.2	71.0	71.1	71.1	71.3	71.3	71.3	71.3
IV 1800	63.6	74.9	74.1	75.6	76.4	76.6	76.8	77.0	77.0	77.9	78.1	78.1	78.2	78.2	78.2	78.2
IV 1500	64.3	74.0	75.2	76.7	77.5	77.7	78.1	78.3	78.3	79.3	79.3	79.4	79.4	79.6	79.6	79.6
IV 1200	67.7	77.7	79.2	80.8	81.7	81.9	82.7	83.1	83.2	84.3	84.3	84.3	84.7	84.7	84.7	84.7
IV 1000	68.3	78.6	80.8	82.7	83.7	83.8	84.6	85.0	85.1	86.2	86.4	86.4	86.6	86.6	86.6	86.6
IV 900	69.8	80.0	82.4	84.7	86.0	86.1	87.7	88.7	88.8	89.9	90.6	90.6	90.9	90.9	90.9	90.9
IV 800	69.9	80.1	82.6	84.9	86.1	86.2	87.9	88.8	89.0	90.1	90.7	90.7	91.0	91.0	91.0	91.0
IV 700	70.2	80.2	83.1	85.6	86.9	87.1	89.2	90.6	90.7	91.8	92.6	92.6	92.9	92.9	92.9	92.9
IV 600	70.2	80.3	83.3	86.0	87.3	87.3	90.1	91.4	91.7	92.9	93.7	93.7	94.0	94.0	94.0	94.0
IV 500	70.2	80.9	83.9	86.4	87.7	87.9	90.7	92.1	92.4	94.3	95.0	95.0	95.9	95.9	95.9	95.9
IV 400	70.2	81.2	84.3	86.8	88.1	88.3	91.3	92.8	93.1	95.2	97.0	97.0	97.3	97.3	97.3	97.3
IV 300	70.2	81.3	84.6	87.2	88.6	88.7	91.7	93.2	93.5	95.6	97.4	97.4	97.7	97.7	97.7	97.7
IV 200	70.2	81.3	84.6	87.2	88.6	88.7	91.8	93.0	94.1	96.3	98.1	98.1	98.4	98.4	98.4	98.4
IV 100	70.2	81.3	84.6	87.2	88.6	88.7	91.8	93.7	94.4	96.7	98.5	98.5	99.0	99.0	99.0	99.7
IV 0	70.2	81.3	84.6	87.2	88.6	88.7	91.8	93.7	94.4	96.7	98.5	98.5	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 734

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

CEILING VERSUS VISIBILITY

16603 STATION EROTIS-44 PAV HNT DUT APT

42-50

YEARS

12AY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0400
HOURS (L.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	18.7	18.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
IV 20000	19.4	19.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 18000	19.6	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
IV 16000	20.0	20.7	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
IV 14000	20.7	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
IV 12000	22.2	23.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
IV 10000	23.3	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
IV 9000	23.5	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
IV 8000	25.8	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 7000	26.4	29.2	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
IV 6000	30.5	31.5	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
IV 5000	33.7	35.3	35.4	35.5	35.5	35.5	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
IV 4500	35.9	37.6	37.7	37.9	37.9	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 4000	41.2	43.9	44.1	44.2	44.2	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 3500	46.1	51.2	51.8	52.7	53.0	53.0	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 3000	53.4	59.8	60.9	61.9	62.3	62.3	62.9	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 2500	59.0	67.1	68.7	70.5	71.2	71.3	72.1	72.2	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 2000	62.9	71.7	73.6	76.5	77.4	77.6	78.6	78.6	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 1800	63.6	72.4	74.3	77.1	78.2	78.4	79.2	79.5	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 1500	65.5	75.1	77.8	80.6	81.9	82.2	83.3	84.4	84.6	85.0	85.0	85.0	85.3	85.3	85.3	85.3
IV 1200	66.3	76.1	78.8	81.8	83.3	83.6	84.9	85.9	86.2	86.6	86.6	86.6	86.8	86.8	86.8	86.8
IV 1000	67.6	77.8	80.7	83.9	85.7	85.9	87.6	89.0	89.3	90.2	90.3	90.3	90.8	91.0	91.0	91.0
IV 900	67.6	77.8	80.7	83.9	85.7	85.9	87.6	89.1	89.4	90.3	90.4	90.4	91.0	91.1	91.1	91.1
IV 800	68.2	78.7	81.7	84.8	86.6	86.8	88.9	90.7	91.2	92.4	92.6	92.6	93.3	93.4	93.4	93.4
IV 700	68.3	78.9	81.9	85.0	87.1	87.3	89.7	91.5	92.0	93.3	93.7	93.7	94.3	94.4	94.4	94.4
IV 600	68.3	79.2	82.4	85.8	88.1	88.4	90.7	92.5	93.2	94.4	95.0	95.0	95.6	95.7	95.7	95.7
IV 500	68.3	79.5	82.7	86.0	88.6	88.9	91.7	93.5	94.2	96.1	96.6	96.6	97.7	97.8	97.8	97.8
IV 400	68.3	79.5	82.8	86.3	88.9	89.1	92.1	93.9	94.6	96.8	97.3	97.3	98.3	98.4	98.4	98.4
IV 300	68.3	79.5	82.8	86.3	89.1	89.5	92.6	94.4	95.1	97.3	97.8	97.8	98.8	99.0	99.0	99.0
IV 200	68.3	79.5	82.8	86.3	89.1	89.5	92.9	94.7	95.3	97.5	98.1	98.1	99.1	99.2	99.4	99.4
IV 100	68.3	79.5	82.8	86.3	89.1	89.5	93.0	94.8	95.6	97.9	98.4	98.4	99.5	99.6	100.0	100.0
IV 0	68.3	79.5	82.8	86.3	89.1	89.5	93.0	94.8	95.6	97.9	98.4	98.4	99.5	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 774

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

CEILING VERSUS VISIBILITY

16013 STATION EQUISIER DAY OUT PUT APT

42-50

YEARS

DAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-1100
HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	19.6	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
IV 18000	21.5	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
IV 16000	21.7	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
IV 14000	21.9	22.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
IV 12000	22.8	23.5	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
IV 10000	24.8	25.4	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
IV 8000	25.9	26.6	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 7000	26.1	26.7	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
IV 6000	29.3	29.9	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
IV 5000	31.5	32.3	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 4500	34.3	35.2	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
IV 4000	39.0	40.3	40.6	40.8	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 3500	41.0	42.6	43.0	43.1	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 3000	47.0	49.3	49.7	49.9	50.3	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 2500	51.9	55.5	56.1	56.6	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 2000	60.1	64.6	65.3	66.1	67.1	67.3	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1800	64.3	69.9	71.2	73.0	74.1	74.5	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1600	69.3	75.4	77.0	79.5	81.2	81.7	82.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500	69.5	75.6	77.3	79.7	81.4	81.9	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 1200	70.5	76.9	78.8	81.5	83.4	83.9	84.5	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	71.1	77.9	79.9	82.6	84.8	85.3	85.9	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 900	72.0	80.1	82.7	85.5	87.9	88.4	89.8	90.8	91.1	91.4	92.4	92.9	92.9	92.9	92.9	92.9
IV 800	73.3	80.4	83.0	85.8	88.1	88.6	90.1	91.1	91.4	92.4	92.9	92.9	93.2	93.2	93.2	93.2
IV 700	73.4	81.0	83.7	86.6	88.9	89.4	91.0	92.0	92.4	93.7	94.6	94.6	94.8	94.8	95.0	95.0
IV 600	73.4	81.2	83.9	86.8	89.4	89.9	91.6	92.6	93.0	94.7	95.6	95.6	95.9	95.9	96.0	96.0
IV 500	73.4	81.3	84.0	87.1	89.7	90.2	91.9	92.9	93.3	95.1	96.0	96.0	96.3	96.3	96.4	96.4
IV 400	73.5	81.7	84.4	87.5	90.2	90.8	92.8	93.8	94.2	96.1	97.0	97.0	97.7	97.7	97.8	97.8
IV 300	73.5	81.7	84.4	87.6	90.3	91.0	92.9	93.9	94.3	96.2	97.3	97.3	97.9	97.9	98.1	98.1
IV 200	73.5	81.8	84.5	87.7	90.5	91.2	93.3	94.3	94.7	96.6	97.7	97.7	98.3	98.3	98.5	98.5
IV 100	73.5	81.9	84.6	87.9	90.7	91.6	93.9	95.0	95.4	97.3	98.3	98.3	99.0	99.0	99.1	99.1
IV 0	73.5	81.9	84.6	87.9	90.7	91.6	94.3	95.4	95.7	97.7	98.7	98.7	99.4	99.4	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 775

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

CEILING VERSUS VISIBILITY

16607 EMBLISHER DAY DAT DLT APT

42-50

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1600
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ 0
NO CEILING	24.0	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
≥ 20000	25.9	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 18000	25.9	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 16000	26.6	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 14000	27.5	27.7	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
≥ 12000	29.3	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 10000	30.1	30.3	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 9000	30.3	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 8000	32.5	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 7000	34.1	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 6000	36.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 5000	41.6	42.3	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 4500	43.7	44.9	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
≥ 4000	49.2	51.1	51.3	51.7	51.7	51.7	52.0	52.1	52.1	52.3	52.4	52.4	52.4	52.4	52.4
≥ 3500	54.1	56.3	57.0	57.3	57.4	57.5	57.8	57.9	57.9	58.1	58.2	58.2	58.2	58.2	58.2
≥ 3000	64.4	68.1	68.8	69.0	69.3	69.3	69.9	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3
≥ 2500	68.6	73.2	74.6	75.4	75.9	76.3	76.6	76.9	76.9	77.0	77.5	77.5	77.8	77.8	77.8
≥ 2000	72.8	76.2	79.9	81.0	81.8	82.3	83.1	83.5	83.5	83.7	84.3	84.3	84.5	84.5	84.5
≥ 1800	72.8	78.5	80.1	81.3	82.1	82.6	83.4	83.7	83.7	84.0	84.5	84.5	84.8	84.8	84.8
≥ 1500	74.2	80.0	81.8	83.1	83.9	84.4	85.7	86.2	86.2	86.8	87.4	87.4	87.7	87.7	87.7
≥ 1200	75.0	80.8	82.6	84.0	84.8	85.3	86.6	87.1	87.2	87.7	88.4	88.4	88.8	88.8	88.8
≥ 1000	76.9	82.0	84.8	86.2	87.1	87.6	89.3	90.2	90.8	92.1	92.9	92.9	93.4	93.4	93.8
≥ 900	76.9	83.1	84.9	86.3	87.2	87.7	89.4	90.3	91.0	92.3	93.2	93.2	93.7	93.7	94.1
≥ 800	77.2	83.6	85.4	86.8	87.7	88.3	89.9	90.8	91.5	92.8	94.1	94.1	94.7	94.7	95.2
≥ 700	77.3	83.9	85.8	87.2	88.1	88.6	90.7	91.6	92.3	93.5	94.8	94.8	95.5	95.5	96.0
≥ 600	77.3	84.0	85.9	87.3	88.4	88.9	91.0	91.9	92.5	93.8	95.1	95.1	95.7	95.7	96.3
≥ 500	77.3	84.1	86.1	87.6	88.6	89.2	91.4	92.4	93.0	95.2	96.5	96.5	97.3	97.3	97.8
≥ 400	77.3	84.1	86.1	87.6	88.6	89.2	91.6	92.6	93.3	95.5	96.8	96.8	97.5	97.5	98.1
≥ 300	77.3	84.5	86.5	88.0	89.0	89.5	92.0	93.0	93.7	95.9	97.2	97.2	97.9	97.9	98.5
≥ 200	77.4	85.4	87.2	88.9	90.1	90.6	93.2	94.2	94.8	97.0	98.3	98.3	99.4	99.4	99.9
≥ 100	77.4	85.3	87.2	88.9	90.1	90.6	93.2	94.2	94.8	97.2	98.5	98.5	99.5	99.5	100.0
≥ 0	77.4	85.3	87.2	88.9	90.1	90.6	93.2	94.2	94.8	97.2	98.5	98.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 775

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

CEILING VERSUS VISIBILITY

16607 EXHIBIT NEW DAY OUT APT

42-50

YEARS

DAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
ROWS (R. 1)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
IV 18000 16000	25.8	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
IV 14000 12000	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
IV 10000 9000	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
IV 8000 7000	32.9	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 6000 5000	35.4	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
IV 4500 4000	36.9	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 3500 3000	41.9	42.7	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 2500 2000	43.6	44.5	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.4	45.4	45.4	45.4	45.4	45.4
IV 1800 1500	48.5	49.7	50.3	50.3	50.6	50.6	50.6	50.6	50.6	51.0	51.0	51.0	51.0	51.0	51.0
IV 1200 1000	54.8	56.3	57.0	57.2	57.4	57.4	57.4	57.4	57.4	57.8	57.8	57.8	57.8	57.8	57.8
IV 900 800	64.6	67.5	68.5	68.6	68.9	68.9	68.9	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3
IV 700 600	68.8	72.5	75.0	75.5	75.9	76.3	76.3	76.3	76.3	76.6	76.6	76.6	76.6	76.6	77.0
IV 500 400	72.9	77.4	80.4	81.5	82.5	83.0	83.1	83.1	83.1	83.5	83.5	83.5	83.5	83.5	83.9
IV 300 200	73.3	77.7	80.8	81.9	82.8	83.4	83.6	83.6	83.6	84.0	84.0	84.0	84.0	84.0	84.4
IV 100 0	75.5	80.4	83.7	84.9	86.5	87.2	87.7	87.7	88.0	88.4	88.4	88.4	88.5	88.5	88.9
IV 0	76.1	81.2	84.5	85.7	87.2	88.1	88.8	88.8	89.2	89.5	89.5	89.5	89.7	89.7	90.1
IV 0	77.5	83.0	86.6	87.7	89.5	90.5	91.5	92.0	92.8	93.4	93.4	93.4	93.7	93.7	94.2
IV 0	77.7	83.1	86.7	88.0	89.8	90.7	91.7	92.3	93.0	93.7	93.7	93.7	93.9	93.9	94.5
IV 0	77.7	83.4	87.1	88.4	90.3	91.2	92.3	92.8	93.5	94.3	94.3	94.3	94.7	94.7	95.2
IV 0	77.8	83.6	87.4	88.6	90.6	91.5	92.6	93.2	93.9	95.1	95.2	95.2	95.5	95.5	96.3
IV 0	77.8	83.6	87.4	88.6	90.6	91.5	92.6	93.2	93.9	95.1	95.2	95.2	95.5	95.5	96.3
IV 0	78.1	84.0	87.7	89.2	91.4	92.3	93.4	93.9	94.7	96.9	97.2	97.2	97.9	97.9	98.7
IV 0	78.1	84.0	87.9	89.3	91.5	92.4	93.5	94.1	94.8	97.0	97.3	97.3	98.3	98.3	99.1
IV 0	78.1	84.1	88.0	89.4	91.6	92.5	93.7	94.2	95.0	97.2	97.4	97.7	98.5	98.5	99.2
IV 0	78.2	84.2	88.4	89.8	92.0	92.9	94.1	94.6	95.4	97.5	97.8	98.1	98.8	98.8	99.6
IV 0	78.2	84.3	88.4	89.8	92.0	92.9	94.1	94.7	95.5	97.8	98.2	98.5	99.2	99.2	100.0
IV 0	78.2	84.3	88.4	89.8	92.0	92.9	94.1	94.7	95.5	97.8	98.2	98.5	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 775

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

CEILING VERSUS VISIBILITY

16603 STATION NAME EXHIBITOR DAY HWT BWT ART

42-50 YEARS

DAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1100-7100 HOURS (L Y)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	27.4	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 20000	25.6	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
IN 18000	25.9	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
IN 16000	26.4	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
IN 14000	27.4	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IN 12000	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IN 10000	30.2	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IN 9000	31.0	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
IN 8000	32.2	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IN 7000	34.4	35.0	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
IN 6000	37.5	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
IN 5000	41.9	42.8	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IN 4500	43.2	44.2	44.6	44.8	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.3	45.3
IN 4000	49.3	51.4	51.4	51.7	52.1	52.2	52.2	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.6	52.6
IN 3500	53.5	55.9	56.3	56.6	57.1	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.6	57.6
IN 3000	61.3	65.0	65.6	66.3	67.1	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.6	67.6
IN 2500	64.8	69.9	71.4	72.4	73.4	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.9	73.9
IN 2000	70.1	76.2	79.3	81.2	83.2	83.3	83.5	83.5	83.6	83.9	83.9	83.9	83.9	84.1	84.1	84.1
IN 1800	70.6	77.0	79.8	81.8	83.7	83.9	84.0	84.0	84.1	84.4	84.4	84.4	84.4	84.6	84.6	84.6
IN 1500	72.0	78.7	81.8	84.3	86.4	86.6	87.1	87.1	87.3	87.7	87.7	87.7	87.7	87.9	87.9	87.9
IN 1200	73.0	79.9	83.1	85.6	87.8	88.1	88.8	88.8	89.0	89.4	89.4	89.4	89.4	89.6	89.6	89.6
IN 1000	73.9	81.0	84.4	86.9	89.2	89.6	91.5	91.7	92.0	92.9	93.0	93.0	93.3	93.7	93.7	93.7
IN 900	74.0	81.4	84.8	87.3	89.6	90.0	92.0	92.3	92.8	93.8	94.0	94.0	94.2	94.6	94.6	94.6
IN 800	74.0	81.4	84.8	87.3	89.6	90.0	92.0	92.3	92.8	93.8	94.0	94.0	94.2	94.6	94.6	94.6
IN 700	74.1	81.6	85.0	87.5	90.0	90.4	92.4	92.9	93.2	94.6	95.0	95.0	95.3	95.7	95.7	95.7
IN 600	74.1	81.6	85.0	87.5	90.0	90.4	92.4	92.9	93.2	94.6	95.0	95.0	95.3	95.7	95.7	95.7
IN 500	74.1	81.6	85.0	87.5	90.0	90.4	92.4	92.9	93.2	94.6	95.0	95.0	95.3	95.7	95.7	95.7
IN 400	74.1	81.6	85.0	87.5	90.0	90.4	92.4	92.9	93.2	94.6	95.0	95.0	95.3	95.7	95.7	95.7
IN 300	74.3	82.3	85.8	88.3	91.2	91.6	93.7	94.2	94.5	96.5	97.4	97.4	97.9	98.3	98.4	98.7
IN 200	74.3	82.4	86.0	88.5	91.3	91.7	93.8	94.4	94.9	96.9	97.8	97.8	98.6	99.0	99.1	99.5
IN 100	74.3	82.4	86.0	88.5	91.3	91.7	93.8	94.4	94.9	96.9	97.8	97.8	98.6	99.0	99.1	99.5
IN 0	74.3	82.4	86.0	88.5	91.3	91.7	93.8	94.4	94.9	96.9	97.8	97.8	98.6	99.0	99.1	99.5

TOTAL NUMBER OF OBSERVATIONS 762

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

CEILING VERSUS VISIBILITY

166-17 STATION 42-50 YEARS MONTH 4160-7400

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	20.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
≥ 20000	22.2	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
IV 18000	22.2	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
IV 16000	22.6	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
IV 14000	22.6	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
IV 12000	23.7	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
IV 10000	25.1	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
IV 9000	25.9	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
IV 8000	26.6	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
IV 7000	29.4	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
IV 6000	33.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 5000	36.6	38.0	38.0	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
IV 4500	39.3	41.3	41.3	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.0	42.1	42.2	42.2	42.2
IV 4000	44.9	47.0	47.6	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.3	48.4	48.5	48.5	48.5
IV 3500	49.2	52.5	52.9	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.9	54.3	54.1	54.1	54.1
IV 3000	57.0	61.4	62.2	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.4	63.5	63.5	63.5
IV 2500	61.2	66.8	68.2	68.7	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.7	69.8	69.9	69.9	69.9
IV 2000	67.1	74.2	77.0	78.2	79.7	79.8	79.8	79.9	79.9	79.9	79.9	80.3	80.5	80.6	80.6	80.6
IV 1800	67.6	75.0	77.5	78.7	80.2	80.3	80.3	80.5	80.5	80.5	80.5	81.0	81.1	81.3	81.3	81.3
IV 1500	69.3	77.3	80.1	81.7	83.4	83.7	84.3	84.8	84.8	84.8	84.9	85.4	85.6	85.8	85.8	85.8
IV 1200	69.8	78.1	81.0	82.6	84.4	84.6	85.6	85.8	85.8	86.0	86.0	86.5	86.6	86.9	86.9	86.9
IV 1000	70.7	79.1	82.4	84.2	86.2	86.6	88.4	89.0	89.0	89.7	90.3	90.6	91.4	91.6	91.6	91.6
IV 900	70.7	79.1	82.4	84.2	86.2	86.6	88.4	89.0	89.0	89.7	90.3	90.6	91.4	91.6	91.6	91.6
IV 800	71.1	79.7	83.0	85.0	87.0	87.6	89.6	90.2	90.2	90.9	91.7	91.9	92.6	92.8	92.8	92.8
IV 700	71.1	79.7	83.2	85.3	87.4	88.0	90.4	91.0	91.0	92.2	93.0	93.2	94.0	94.1	94.1	94.1
IV 600	71.5	80.5	83.8	86.0	88.1	88.6	91.2	91.8	91.8	93.0	94.0	94.1	94.9	95.1	95.1	95.1
IV 500	71.5	80.6	84.1	86.4	88.5	89.0	91.7	92.4	92.5	94.1	95.2	95.3	96.1	96.4	96.5	96.5
IV 400	71.5	80.6	84.1	86.4	88.6	89.2	91.8	92.5	92.6	94.3	95.5	95.6	96.4	96.7	96.9	96.9
IV 300	71.5	80.9	84.4	86.6	89.2	89.7	92.5	93.2	93.3	94.9	96.1	96.3	97.1	97.3	97.4	97.4
IV 200	71.5	81.1	84.6	86.9	89.4	90.0	92.8	93.4	93.6	95.3	96.5	96.7	97.5	97.7	97.7	97.7
IV 100	71.7	81.3	84.8	87.0	89.6	90.1	92.9	93.6	93.7	95.5	96.8	96.9	97.3	97.5	97.8	97.7
IV 0	71.7	81.3	84.8	87.0	89.6	90.1	92.9	93.6	93.7	95.5	96.8	96.9	97.3	97.5	97.8	97.7

TOTAL NUMBER OF OBSERVATIONS 74

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28811

CEILING VERSUS VISIBILITY

16653 EQUUSHER DAY OUT I APT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING ≥ 20000	20.6	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
IV 18000	22.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
IV 16000	22.4	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
IV 14000	22.6	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
IV 12000	22.6	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
IV 10000	24.7	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
IV 9000	25.2	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
IV 8000	26.7	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
IV 7000	29.4	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
IV 6000	32.6	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 5000	38.2	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 4500	39.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 4000	45.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 3500	48.2	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 3000	55.9	58.1	58.2	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
IV 2500	62.6	66.2	66.6	66.9	67.4	67.4	67.4	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 2000	69.0	74.0	75.2	75.6	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1800	70.0	74.9	76.1	76.5	77.3	77.3	77.3	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 1500	73.6	79.7	81.0	81.8	82.6	82.6	82.8	83.0	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 1200	75.2	81.4	82.8	83.6	84.4	84.4	84.5	84.8	84.8	85.2	85.3	85.3	85.3	85.3	85.3	85.3
IV 1000	77.2	84.1	85.8	86.6	87.6	87.6	87.7	88.0	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 900	77.6	84.0	86.4	87.2	88.1	88.1	88.3	88.5	88.5	89.2	89.3	89.3	89.3	89.3	89.3	89.3
IV 800	77.8	84.4	87.2	88.3	90.1	90.1	90.3	90.9	90.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1
IV 700	78.0	85.0	87.4	88.5	90.5	90.5	90.7	90.9	90.9	92.5	92.8	92.8	92.8	92.8	92.8	92.8
IV 600	78.0	85.7	87.6	88.7	90.7	90.7	90.8	91.1	91.1	92.7	92.9	92.9	92.9	92.9	92.9	92.9
IV 500	78.2	86.6	88.5	89.6	91.6	91.7	91.9	92.3	92.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5
IV 400	77.5	87.0	89.2	90.3	92.3	92.4	92.7	93.1	93.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3
IV 300	78.8	87.3	89.9	91.2	93.2	93.3	93.6	94.0	94.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4
IV 200	79.0	87.6	90.1	91.6	93.6	93.7	94.3	94.7	94.7	96.9	97.2	97.2	97.2	97.2	97.2	97.2
IV 100	79.0	87.6	90.1	91.7	93.7	93.9	94.5	95.1	95.2	97.6	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	79.0	87.6	90.1	91.7	94.7	93.9	94.5	95.1	95.2	97.6	98.1	98.1	98.1	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 749

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

CEILING VERSUS VISIBILITY

16633 — ENCLISLER DAY AT DAT APT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6400-0300
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
NO CEILING	14.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
IV 20000	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
IV 18000	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
IV 16000	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
IV 14000	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
IV 12000	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
IV 10000	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
IV 9000	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
IV 8000	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV 7000	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IV 6000	31.0	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 5000	32.9	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
IV 4500	34.6	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 4000	44.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 3500	46.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 3000	55.1	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 2500	61.1	64.7	63.7	64.1	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 2000	67.2	70.6	71.4	71.8	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1800	69.0	71.7	72.5	72.9	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1500	71.8	76.4	77.7	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1200	72.5	77.7	78.5	79.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 1000	74.8	80.9	82.0	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 900	75.2	81.3	82.4	83.2	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 800	76.1	82.5	83.6	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 700	76.4	83.0	84.1	84.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 600	77.0	83.7	84.9	85.7	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 500	77.3	84.1	85.4	86.5	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 400	77.6	84.8	86.5	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 300	77.7	84.9	86.6	87.7	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 200	77.7	84.9	86.6	87.7	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 100	77.7	85.2	87.0	88.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 0	77.7	85.2	87.0	88.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5

TOTAL NUMBER OF OBSERVATIONS 747

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

CEILING VERSUS VISIBILITY

166.3 EMBLISSES DAY T. C. API

42-50

YEARS

10/11

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	14.7	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	19.0	19.0	19.0	19.0	19.0	19.1	19.1
IV 18000	19.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.2	20.2	20.2	20.2	20.2	20.3	20.3
IV 16000	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.6	20.6	20.6	20.6	20.6	20.7	20.7
IV 14000	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.4	21.4	21.4	21.4	21.4	21.5	21.5
IV 12000	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.4	23.4
IV 10000	24.3	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.8	24.8
IV 9000	24.6	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.0	25.1	25.1
IV 8000	26.7	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.4	27.4	27.4	27.4	27.4	27.5	27.5
IV 7000	29.0	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.8	29.8	29.8	29.8	29.8	29.9	29.9
IV 6000	31.3	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.6	32.6
IV 5000	34.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.1	36.1
IV 4500	36.8	37.5	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9	38.1	38.1
IV 4000	42.2	44.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.7	43.7
IV 3500	45.7	46.7	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.4	47.4
IV 3000	55.7	56.7	57.0	57.0	57.1	57.3	57.3	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.7	57.7
IV 2500	61.3	62.6	62.9	62.9	63.0	63.2	63.2	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.6	63.6
IV 2000	66.6	69.6	70.2	70.2	70.5	70.6	70.8	70.8	70.8	71.2	71.3	71.4	71.6	71.7	71.8	71.8
IV 1800	67.7	70.6	71.3	71.3	71.6	71.7	71.8	71.8	71.8	72.4	72.5	72.5	72.8	72.9	73.0	73.0
IV 1500	71.4	75.7	76.8	76.9	77.3	77.4	77.6	77.6	77.6	78.1	78.2	78.2	78.5	78.6	78.8	78.8
IV 1200	72.4	76.9	78.0	78.1	78.5	78.6	78.8	78.8	78.8	79.4	79.6	79.6	79.8	80.0	80.1	80.1
IV 1000	75.8	81.7	83.2	83.6	84.1	84.2	84.8	84.9	85.0	86.4	86.6	86.6	86.9	87.0	87.2	87.2
IV 900	76.0	81.8	83.3	83.7	84.2	84.4	84.9	85.0	85.2	86.5	86.8	86.8	87.2	87.3	87.4	87.4
IV 800	77.2	82.4	83.3	83.7	84.8	85.9	87.6	87.7	87.9	89.3	89.6	89.6	90.1	90.3	90.4	90.4
IV 700	77.3	83.6	85.7	86.4	87.6	87.7	88.4	88.8	88.9	90.4	90.7	90.7	91.2	91.4	91.5	91.5
IV 600	77.7	84.4	86.2	87.0	88.4	88.5	89.2	89.6	89.9	91.3	91.7	91.7	92.3	92.4	92.5	92.5
IV 500	78.4	85.3	87.6	88.5	89.9	90.0	90.8	91.3	91.6	93.1	93.5	93.5	94.0	94.1	94.3	94.3
IV 400	78.6	86.0	88.3	89.2	90.7	90.6	91.7	92.5	92.8	94.2	94.7	94.7	95.2	95.5	95.6	95.7
IV 300	78.6	86.1	88.4	89.3	90.9	91.2	92.8	93.2	93.5	95.5	95.9	95.9	96.4	96.7	96.8	96.9
IV 200	78.6	86.2	88.7	89.9	91.5	91.7	93.2	94.4	94.7	97.5	98.0	98.0	98.5	98.8	98.9	99.1
IV 100	78.6	86.2	88.7	89.9	91.5	91.7	93.6	94.8	95.1	97.9	98.4	98.4	99.3	99.6	99.7	99.9
IV 0	78.6	86.2	88.7	89.9	91.5	91.7	93.6	94.8	95.1	98.0	98.5	98.5	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 749

2

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
84

YEARS

~~0500-1100~~

111

1

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

CEILING VERSUS VISIBILITY

16603 STATION Enclishaw Bay MNT DUT APT 42-50 YEARS 10 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
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 ≥ 20000	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
IV 18000 16000	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 14000 12000	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
IV 10000 9000	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 8000 7000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 6000 5000	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 4500 4000	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 3500 3000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 2500 2000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 1800 1500	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1200 1000	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 900 800	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 700 600	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 500 400	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 300 200	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 100 0	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5

TOTAL NUMBER OF OBSERVATIONS 750

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

CEILING VERSUS VISIBILITY

16613 STATION EXHIBIT 19 DAY-NAT OUT APT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12,000 1,700
GROUP 1, 2, 3

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.4	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 20000	31.1	31.1	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 18000	31.1	31.1	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 16000	31.2	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
IV 14000	32.2	32.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 12000	34.2	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IV 10000	35.8	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
IV 9000	36.4	36.4	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
IV 8000	39.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IV 7000	42.7	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 6000	46.7	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 5000	51.0	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 4500	52.3	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 4000	56.6	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3500	61.4	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 3000	65.4	66.2	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 2500	76.5	78.0	78.9	78.9	79.0	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2000	82.6	84.5	85.4	85.6	85.7	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1800	82.8	84.6	85.6	85.7	85.8	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1500	85.2	87.1	89.1	89.2	89.3	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1200	86.4	88.9	90.5	90.7	90.9	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1000	87.0	90.0	92.4	92.8	93.2	93.5	93.9	93.9	93.9	94.3	94.3	94.3	94.3	94.4	94.4	94.4
IV 900	87.2	90.3	92.7	93.1	93.5	93.7	94.3	94.3	94.3	94.7	94.7	94.7	94.7	94.8	94.8	94.8
IV 800	87.6	90.7	93.2	93.7	94.1	94.4	94.9	94.9	94.9	95.6	95.6	95.6	95.6	95.9	96.0	96.0
IV 700	88.3	91.3	93.9	94.4	94.8	95.1	95.6	95.6	95.6	96.3	96.3	96.3	96.3	96.7	96.7	96.7
IV 600	88.8	91.9	94.4	95.1	95.5	95.9	96.4	96.4	96.4	97.1	97.1	97.1	97.1	97.5	97.5	97.5
IV 500	88.9	92.1	94.9	95.6	96.5	97.1	97.6	97.7	97.7	98.4	98.4	98.4	98.4	98.9	98.9	98.9
IV 400	88.9	92.3	95.1	95.7	96.8	97.3	97.9	98.0	98.0	98.7	98.7	98.7	98.7	99.1	99.2	99.2
IV 300	88.9	92.3	95.1	95.7	96.8	97.3	97.9	98.0	98.0	98.7	98.7	98.7	98.7	99.1	99.2	99.2
IV 200	88.9	92.3	95.2	95.9	97.1	97.6	98.1	98.3	98.3	98.9	98.9	98.9	98.9	99.3	99.3	99.3
IV 100	88.9	92.3	95.2	95.9	97.1	97.6	98.1	98.3	98.3	98.9	98.9	98.9	98.9	99.3	99.3	99.3
IV 0	88.9	92.3	95.2	95.9	97.1	97.6	98.1	98.3	98.3	98.9	98.9	98.9	98.9	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

749

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

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

CEILING VERSUS VISIBILITY

164.1 STATION EIGHTHED DAY AND NIGHT APT

42-50

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-2000
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING IV 20000	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
IV 18000	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IV 16000	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IV 14000	28.1	28.1	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
IV 12000	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 10000	31.1	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
IV 9000	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
IV 8000	35.5	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
IV 7000	38.7	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 6000	42.4	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 5000	48.0	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 4500	49.3	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 4000	54.1	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 3500	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 3000	70.0	70.7	70.8	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 2500	77.2	78.3	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 2000	83.3	84.9	85.2	85.6	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.1
IV 1800	83.9	85.5	85.9	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9
IV 1500	86.0	88.1	88.8	89.3	90.0	90.0	90.1	90.1	90.1	90.1	90.4	90.4	90.4	90.5	90.5	90.5
IV 1200	88.8	89.1	89.7	90.4	91.1	91.1	91.2	91.2	91.2	91.3	91.5	91.5	91.5	91.6	91.6	91.6
IV 1000	87.7	90.3	91.6	92.5	93.2	93.2	93.3	93.3	93.3	93.9	93.9	93.9	94.0	94.0	94.0	94.0
IV 900	87.9	90.4	91.7	92.7	93.3	93.3	93.5	93.5	93.5	94.0	94.0	94.0	94.1	94.1	94.1	94.1
IV 800	88.3	90.8	92.1	93.2	94.1	94.1	94.4	94.4	94.4	94.9	94.9	94.9	95.5	95.5	95.5	95.5
IV 700	88.5	91.1	92.4	93.6	94.4	94.4	94.7	94.7	94.7	95.2	95.2	95.2	95.7	95.7	95.7	95.7
IV 600	88.5	91.1	92.5	93.7	94.5	94.5	95.1	95.1	95.1	95.7	95.7	95.7	96.3	96.3	96.3	96.3
IV 500	89.1	91.7	93.3	94.5	95.3	95.3	96.1	96.3	96.3	96.9	96.9	96.9	97.5	97.5	97.6	97.6
IV 400	89.1	91.7	93.3	94.7	95.6	95.7	96.4	96.8	96.8	97.5	97.5	97.5	98.0	98.0	98.1	98.1
IV 300	89.1	91.7	93.6	94.8	95.7	95.9	96.5	97.1	97.1	97.7	97.7	97.7	98.3	98.3	98.4	98.4
IV 200	89.1	91.7	93.7	94.9	95.9	96.0	96.7	97.2	97.2	98.0	98.0	98.0	98.5	98.5	98.7	98.8
IV 100	89.1	91.7	93.7	94.9	95.9	96.0	96.7	97.2	97.2	98.4	98.5	98.5	99.2	99.2	99.6	99.7
IV 0	89.1	91.7	93.7	94.9	95.9	96.0	96.7	97.2	97.2	98.4	98.5	98.5	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 750

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

CEILING VERSUS VISIBILITY

16603 EXCELLENCE DAY NOT OUT AMT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 3/16	≥ 1/4	≥ 0
NO CEILING	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV 20000	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
IV 18000	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
IV 16000	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
IV 14000	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
IV 12000	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
IV 10000	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
IV 9000	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
IV 8000	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
IV 7000	33.2	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 6000	39.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 5000	43.7	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 4500	45.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 4000	50.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3500	54.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 3000	63.7	66.0	66.2	66.2	66.2	66.2	66.4	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 2500	70.0	73.0	73.4	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8
IV 2000	77.2	81.4	82.5	82.9	83.0	83.0	83.2	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	78.1	82.4	83.4	83.8	84.0	84.0	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1500	80.6	86.1	87.6	88.4	88.5	88.5	88.8	88.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1200	81.2	86.8	88.3	89.2	89.3	89.3	89.6	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	82.5	88.7	90.4	91.5	91.7	91.7	92.0	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 900	83.0	89.3	91.1	92.1	92.4	92.4	92.7	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 800	83.3	90.4	92.1	93.3	93.7	93.7	94.0	94.1	94.1	94.9	94.9	94.9	95.1	95.1	95.1	95.1
IV 700	83.8	90.4	92.3	93.5	93.9	93.9	94.3	94.5	94.5	95.6	95.6	95.6	95.7	95.7	95.7	95.7
IV 600	83.8	90.4	92.3	93.5	93.9	93.9	94.4	94.7	94.7	95.7	95.7	95.7	95.9	95.9	95.9	95.9
IV 500	84.1	90.9	92.8	94.1	94.5	94.5	95.1	95.6	95.6	96.7	96.7	96.7	96.8	96.8	96.9	96.9
IV 400	84.2	91.1	92.9	94.3	94.7	94.7	95.2	95.7	95.7	96.8	96.8	96.8	96.9	96.9	97.1	97.1
IV 300	84.2	91.1	93.2	94.5	95.1	95.1	96.0	96.3	96.3	97.6	97.6	97.6	97.9	97.9	98.0	98.0
IV 200	84.2	91.1	93.2	94.5	95.1	95.1	96.1	96.7	96.7	97.9	97.9	97.9	98.3	98.3	98.5	98.5
IV 100	84.2	91.1	93.5	94.8	95.3	95.3	96.4	96.9	96.9	98.3	98.3	98.3	98.9	98.9	99.2	99.2
IV 0	84.2	91.1	93.5	94.8	95.3	95.3	96.4	96.9	96.9	98.3	98.3	98.3	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 749

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

CEILING VERSUS VISIBILITY

16603 STATION EMBLESER BAY NAT DUT APT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0700
HOURS (L.S.T.)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 20000	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
IV 18000	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
IV 16000	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
IV 14000	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
IV 12000	31.8	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
IV 10000	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
IV 9000	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
IV 8000	36.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
IV 7000	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
IV 6000	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	44.8	44.8	44.8
IV 5000	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 4500	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 4000	58.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 3500	62.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 3000	66.5	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 2500	70.5	72.7	72.8	73.0	73.0	73.0	73.1	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 2000	74.6	77.6	77.9	78.1	78.4	78.4	78.5	78.5	78.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 1800	75.2	78.1	78.4	78.7	78.9	78.9	79.0	79.0	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 1500	76.3	80.6	81.0	81.2	81.5	81.5	81.6	81.6	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1200	77.1	82.0	82.4	82.7	83.1	83.1	83.2	83.2	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 1000	78.5	84.9	86.3	87.1	87.8	87.8	88.0	88.0	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 900	78.7	84.7	86.4	87.3	88.2	88.2	88.4	88.4	88.5	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 800	78.7	85.4	87.3	88.5	89.3	89.3	89.4	89.4	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 700	78.7	85.4	87.3	88.5	89.3	89.3	89.4	89.4	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 600	78.7	85.6	87.7	88.9	90.2	90.2	90.3	90.3	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 500	78.7	85.9	88.1	89.3	90.7	90.7	90.8	90.8	90.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 400	79.6	86.8	89.0	90.2	91.6	91.6	91.8	92.1	92.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 300	79.6	87.2	89.4	90.8	92.4	92.4	92.8	93.0	93.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 200	79.6	87.4	89.4	91.3	93.0	93.0	93.5	93.8	93.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 100	79.6	87.4	89.4	91.3	93.0	93.0	93.5	94.2	94.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4
IV 0	79.6	87.2	89.4	91.3	93.0	93.0	93.5	94.2	94.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 773

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

CEILING VERSUS VISIBILITY

106.3 PUBLISHED DAY 11 JUL 64

42-30

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4200-0500
LOCAL (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	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 20000	29.9	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
IV 18000	31.4	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
IV 16000	31.7	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
IV 14000	33.0	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV 12000	34.1	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 10000	35.0	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
IV 9000	35.9	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IV 8000	38.3	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
IV 7000	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 6000	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 5000	52.8	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 4500	54.8	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 4000	58.6	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 3500	61.8	62.6	63.1	63.2	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 3000	68.0	69.6	69.7	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 2500	71.4	73.4	73.7	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 2000	74.8	77.4	77.8	77.9	77.9	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 1800	75.5	77.9	78.5	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 1500	76.8	80.6	81.2	81.4	81.4	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8
IV 1200	77.7	81.5	82.1	82.3	82.3	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7
IV 1000	79.1	84.9	85.5	86.1	86.6	86.6	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.2
IV 900	80.6	86.8	86.9	87.0	87.5	87.5	87.7	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.1
IV 800	80.5	85.9	88.0	88.5	89.3	89.3	89.5	89.7	89.7	89.9	89.9	89.9	89.9	90.6	90.6	90.7
IV 700	80.6	86.5	88.8	89.3	90.2	90.2	90.5	90.6	90.6	90.8	90.8	90.8	90.8	91.5	91.5	91.6
IV 600	81.3	87.1	89.4	89.9	91.0	91.0	91.2	91.4	91.4	92.0	92.0	92.0	92.0	92.6	92.6	92.9
IV 500	81.9	87.6	90.1	90.6	91.6	91.6	91.9	92.0	92.0	92.6	92.6	92.6	92.6	93.3	93.3	93.5
IV 400	81.8	88.5	90.7	91.2	92.3	92.3	92.5	92.8	92.8	93.4	93.4	93.4	93.4	94.2	94.2	94.5
IV 300	81.9	88.5	91.0	91.5	92.5	92.5	92.8	93.0	93.0	93.9	94.1	94.1	94.1	95.0	95.0	95.2
IV 200	82.1	88.6	91.1	91.6	92.6	92.6	93.3	93.5	93.5	94.6	94.8	94.8	94.8	95.9	96.1	96.5
IV 100	82.1	88.6	91.1	91.6	92.6	92.6	93.4	93.8	93.8	95.4	95.9	96.0	97.3	97.5	98.1	98.6
IV 0	82.1	88.6	91.1	91.6	92.6	92.6	93.4	93.8	93.8	95.4	95.9	96.0	97.5	97.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 775

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

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

CEILING VERSUS VISIBILITY

16603 EXETER DAY NOT DUT APT

42-30

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0100

HOURS (L E T)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.6
≥ 20000	30.3	30.3	30.3	30.6	30.6	30.6	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.7
IV 18000	31.4	31.5	31.5	31.6	31.6	31.6	31.6	31.5	31.6	31.7	31.7	31.7	31.7	31.7	31.7
IV 16000	31.5	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.9	31.9	31.9	31.9	31.9	31.9
IV 14000	32.5	32.6	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9
IV 12000	34.7	34.8	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1
IV 10000	36.1	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5
IV 9000	36.6	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0
IV 8000	40.1	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5
IV 7000	44.0	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5
IV 6000	48.5	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2
IV 5000	52.8	53.0	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4
IV 4500	54.2	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0
IV 4000	57.2	57.5	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3
IV 3500	61.5	62.1	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1
IV 3000	66.6	67.6	68.5	68.8	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0
IV 2500	70.7	72.0	73.0	73.3	73.4	73.4	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7
IV 2000	73.0	74.7	76.0	76.3	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6
IV 1800	73.5	75.2	76.5	76.8	76.9	76.9	77.0	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2
IV 1500	75.9	77.6	79.2	79.7	80.1	80.1	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6
IV 1200	77.2	79.4	80.8	81.4	81.8	81.8	82.1	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5
IV 1000	78.8	82.6	85.2	86.1	87.0	87.0	87.4	87.4	87.4	87.9	88.0	88.0	88.0	88.0	88.1
IV 900	79.0	82.8	85.4	86.5	87.4	87.4	87.7	87.7	87.7	88.3	88.4	88.4	88.4	88.4	88.5
IV 800	79.9	84.0	86.8	88.0	89.0	89.0	89.4	89.4	89.4	89.9	90.1	90.1	90.1	90.1	90.2
IV 700	80.0	84.3	87.2	88.4	89.4	89.4	89.8	89.8	89.8	90.3	90.5	90.5	90.5	90.5	90.6
IV 600	80.8	85.3	88.4	89.5	90.6	90.6	91.0	91.0	91.0	91.5	91.6	91.6	91.6	91.6	91.7
IV 500	81.2	85.7	88.8	89.9	91.0	91.0	91.5	91.5	91.5	92.0	92.1	92.1	92.1	92.1	92.2
IV 400	81.2	86.1	89.3	90.5	91.6	91.6	92.3	92.3	92.3	92.6	92.9	92.9	92.9	92.9	93.0
IV 300	81.4	86.6	89.9	91.4	92.5	92.5	93.2	93.7	93.7	94.2	94.3	94.3	94.3	94.3	94.4
IV 200	81.4	86.6	89.9	91.6	92.9	92.9	93.8	94.3	94.3	95.4	95.5	95.5	95.5	95.5	95.6
IV 100	81.4	86.6	89.9	91.7	93.0	93.0	94.1	94.7	94.8	96.0	96.4	96.4	96.4	96.4	96.5
IV 0	81.4	86.6	89.9	91.7	93.0	93.0	94.1	94.7	94.8	96.0	96.5	96.5	96.5	96.5	96.6

TOTAL NUMBER OF OBSERVATIONS

777

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

CEILING VERSUS VISIBILITY

166-5 STATION NUMBER EMBLEIGH DAY WAT BMT APT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-1100
HOURS (L. T. 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 ≥ 20000	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IV 18000	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
IV 16000	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
IV 14000	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 12000	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
IV 10000	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
IV 9000	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
IV 8000	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 7000	47.6	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 6000	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 5000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 4500	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4000	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 3500	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3000	72.5	73.7	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
IV 2500	76.2	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
IV 2000	79.7	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.3
IV 1800	81.9	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5
IV 1500	81.3	82.8	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6
IV 1200	82.3	84.7	85.2	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0
IV 1000	84.7	87.0	89.1	89.5	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3
IV 900	86.8	88.0	89.5	89.9	90.5	90.5	90.7	90.7	90.7	90.7	90.8	90.9	90.9	91.1	91.1	91.2
IV 800	85.8	89.6	91.1	92.0	92.7	92.7	92.9	93.0	93.0	93.1	93.3	93.3	93.4	93.4	93.4	93.5
IV 700	86.0	89.5	91.5	92.4	93.3	93.3	93.4	93.5	93.5	93.7	93.8	93.8	93.9	93.9	93.9	94.0
IV 600	86.1	89.9	91.8	92.7	93.8	93.8	94.0	94.2	94.2	94.3	94.4	94.4	94.7	94.8	94.8	94.9
IV 500	86.3	90.2	92.1	93.0	94.0	94.0	94.3	94.4	94.4	94.6	94.7	94.7	94.9	95.1	95.1	95.2
IV 400	86.8	90.7	92.6	93.7	94.7	94.7	95.3	95.6	95.6	95.7	95.9	95.9	96.1	96.2	96.2	96.4
IV 300	86.8	90.8	92.9	93.9	95.2	95.2	96.0	96.5	96.5	96.8	97.0	97.0	97.3	97.4	97.5	97.8
IV 200	86.8	90.9	93.0	94.0	95.3	95.3	96.1	96.6	96.6	96.9	97.3	97.3	97.7	97.8	98.1	98.3
IV 100	86.8	90.9	93.4	94.7	96.0	96.0	96.8	97.3	97.4	97.7	98.3	98.3	98.8	99.0	99.5	99.7
IV 0	86.8	91.1	93.5	94.8	96.1	96.1	96.9	97.4	97.5	97.8	98.4	98.4	99.0	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 772

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

CEILING VERSUS VISIBILITY

16603 STATION — FROBISHER RAY INT DLT ART

42-50

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

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 ≥ 20000	31.2	31.2	31.2	31.2	31.4	31.4	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
IV 18000 16000	33.8	33.9	33.9	33.9	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
IV 14000 12000	36.1	36.3	36.3	36.3	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 10000 9000	39.1	39.4	39.4	39.4	39.5	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 8000 7000	43.4	43.7	43.7	43.7	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 6000 5000	51.1	51.5	51.5	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4500 4000	60.9	61.7	61.7	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 3500 3000	71.1	72.4	72.4	72.5	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 2500 2000	81.7	81.4	81.9	82.3	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1800 1500	83.2	85.2	85.7	86.2	86.3	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1200 1000	87.1	87.6	88.8	89.3	89.9	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 900 800	87.4	89.5	91.5	92.0	92.9	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 700 600	88.3	91.5	93.9	94.6	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 500 400	88.3	91.7	94.3	95.0	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 300 200	88.6	92.3	94.8	95.7	97.0	97.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100 0	88.6	92.3	94.8	95.7	97.0	97.0	98.1	98.2	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

715

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

CEILING VERSUS VISIBILITY

16003 STATION NAME: FORT LINDSEY AIRPORT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-60-1-400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING IN 20000	29.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
IV 18000	32.1	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
IV 16000	32.5	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 14000	33.9	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 12000	35.0	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
IV 10000	35.9	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
IV 9000	37.8	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
IV 8000	38.1	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 7000	41.0	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 6000	44.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 5000	49.4	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 4500	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 4000	59.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 3500	66.2	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 3000	69.9	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 2500	75.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 2000	82.8	84.0	84.3	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1800	84.8	86.1	86.3	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1500	85.2	86.5	87.0	87.1	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 1200	87.8	88.6	89.7	90.2	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1000	87.6	89.5	90.6	91.1	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 900	88.0	90.7	92.5	93.0	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 800	89.0	91.0	92.9	93.4	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	89.7	91.9	93.8	94.3	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	89.9	92.1	94.1	94.6	95.1	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 500	90.1	92.3	94.2	94.7	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 400	90.5	93.2	95.1	95.6	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300	90.6	93.9	95.5	96.1	96.6	96.8	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 200	90.8	93.8	95.9	96.5	97.0	97.2	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 100	90.8	94.9	96.0	96.6	97.2	97.3	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	91.0	94.5	96.8	97.5	98.1	98.2	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	91.0	94.5	96.8	97.5	98.1	98.2	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

775

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

CEILING VERSUS VISIBILITY

166.3 STATION ENCLISLES WY T T APT

42-50

YEARS

1/1

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-7400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	20.1	20.1
IV 18000 16000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
IV 14000 12000	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
IV 10000 9000	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV 8000 7000	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 6000 5000	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
IV 4500 4000	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
IV 3500 3000	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 2500 2000	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 1800 1500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1200 1000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 900 800	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 700 600	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 500 400	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 300 200	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 100 0	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9

TOTAL NUMBER OF OBSERVATIONS 775

2

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

CEILING VERSUS VISIBILITY

16604
STATIONFARMVILLE, VA
STATION NAME42-50
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)0000-0000
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	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 20000	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IV 18000	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 16000	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 14000	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 12000	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
IV 10000	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
IV 9000	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 8000	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
IV 7000	37.9	37.9	37.9	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
IV 6000	41.9	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 5000	46.4	46.4	46.4	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 4500	49.3	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 4000	56.8	57.4	57.7	57.7	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 3500	61.6	62.4	62.6	62.6	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 3000	69.1	69.9	70.2	70.2	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 2500	76.7	77.7	78.3	78.3	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 2000	81.1	82.7	83.6	83.6	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1800	81.8	83.4	84.5	84.5	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1500	84.1	86.5	88.2	88.4	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1200	84.3	87.1	88.7	88.9	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 1000	85.3	89.0	90.9	91.3	91.8	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 900	85.5	89.3	91.2	91.6	92.1	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 800	85.5	89.4	92.1	92.5	93.0	93.1	93.3	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9
IV 700	85.5	90.0	92.2	92.8	93.4	93.5	93.9	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	85.5	90.3	92.5	93.0	93.9	94.0	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 500	85.6	90.4	92.8	93.4	94.6	94.7	95.3	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 400	85.8	90.6	92.9	93.5	94.7	94.8	95.6	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 300	85.9	90.9	93.5	94.2	95.3	95.5	96.0	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 200	85.9	90.9	93.5	94.2	95.3	95.5	96.0	96.9	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 100	85.9	90.9	93.5	94.2	95.3	95.5	96.6	97.0	97.4	98.2	98.8	98.8	99.1	99.1	99.1	99.2
IV 0	86.3	91.3	93.9	94.6	95.7	95.9	97.0	97.4	97.8	98.6	99.2	99.2	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

773

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

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

CEILING VERSUS VISIBILITY

16617 STATION EMBERSHAW DAY MOUNT APT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0100-0200
 GROUP (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
IV 20000	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
IV 18000	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
IV 16000	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
IV 14000	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
IV 12000	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
IV 10000	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IV 9000	28.1	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
IV 8000	29.7	29.8	29.8	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
IV 7000	33.0	33.2	33.2	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
IV 6000	38.7	38.8	38.8	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5
IV 5000	42.8	43.5	43.5	43.7	44.0	44.0	44.0	44.0	44.0	44.1	44.3	44.3	44.3	44.3	44.3	44.3
IV 4500	44.5	44.6	44.6	44.9	45.2	45.2	45.2	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4
IV 4000	50.3	51.1	51.1	51.4	51.9	51.9	51.9	51.9	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1
IV 3500	55.9	56.9	56.9	57.2	57.7	57.7	57.7	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9
IV 3000	64.3	65.7	65.9	66.2	66.8	66.8	66.8	66.8	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1
IV 2500	71.6	73.4	73.7	73.9	74.6	74.6	74.6	74.6	74.7	74.8	75.0	75.0	75.0	75.0	75.0	75.0
IV 2000	78.8	81.4	81.9	82.5	83.1	83.1	83.1	83.1	83.2	83.5	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	79.2	81.9	82.5	83.0	83.6	83.6	83.6	83.6	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1
IV 1500	80.5	84.3	84.8	85.5	86.3	86.3	86.3	86.3	86.6	86.8	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200	81.8	85.0	85.5	86.5	87.2	87.2	87.2	87.2	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	81.2	86.3	87.4	88.3	89.0	89.0	89.3	89.3	89.5	90.1	90.2	90.2	90.2	90.2	90.2	90.2
IV 900	81.4	86.7	87.7	88.6	89.4	89.4	89.7	89.7	89.9	90.5	90.6	90.6	90.6	90.6	90.6	90.6
IV 800	81.7	87.2	88.5	89.4	90.7	90.7	91.2	91.4	91.6	92.5	92.6	92.6	92.6	92.6	92.6	92.6
IV 700	81.8	87.6	88.9	89.9	91.5	91.5	92.1	92.3	92.5	93.4	93.5	93.5	93.5	93.7	93.7	93.7
IV 600	81.8	87.7	89.0	90.2	91.7	91.7	92.5	92.6	92.9	93.8	93.9	93.9	94.1	94.1	94.1	94.1
IV 500	81.8	87.9	89.3	90.5	92.5	92.5	93.5	94.1	94.3	95.2	95.4	95.4	95.6	95.6	95.6	95.6
IV 400	82.1	88.4	89.7	90.8	92.9	92.9	94.1	94.6	94.8	95.7	95.9	95.9	96.3	96.3	96.3	96.3
IV 300	82.1	88.4	89.7	91.0	93.0	93.0	94.2	94.7	95.0	95.9	96.1	96.1	96.5	96.5	96.5	96.5
IV 200	82.1	88.3	89.7	91.0	93.0	93.0	94.2	94.8	95.1	96.4	96.6	96.6	97.2	97.2	97.2	97.2
IV 100	82.1	88.3	89.7	91.2	93.3	93.3	94.5	95.1	95.4	96.6	97.0	97.0	98.5	98.5	98.7	98.8
IV 0	82.1	88.4	89.7	91.2	93.3	93.3	94.5	95.1	95.4	96.6	97.0	97.0	98.7	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

775

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

CEILING VERSUS VISIBILITY

10001 STATION EXHIBIT FOR DAY NIGHT INT APT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0400

CEILING 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	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
≥ 18000	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 16000	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
≥ 14000	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
≥ 12000	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 10000	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 9000	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 8000	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
≥ 7000	31.2	31.2	31.2	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 6000	34.5	34.7	34.7	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 5000	38.2	38.8	38.8	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 4500	40.0	40.4	40.4	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 4000	41.0	42.1	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 3500	45.3	45.5	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 3000	51.6	53.0	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 2500	62.5	64.0	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000	71.4	73.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1800	75.3	79.6	80.1	81.0	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500	79.1	83.1	84.3	85.2	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200	79.6	84.0	85.2	86.3	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	80.9	85.5	87.4	88.6	89.0	89.0	89.4	89.5	89.5	89.5	89.7	89.7	89.8	89.8	89.8	89.8
≥ 900	81.2	85.8	87.6	88.9	89.3	89.3	89.7	89.8	89.8	89.8	89.9	89.9	90.1	90.1	90.1	90.1
≥ 800	81.8	87.0	88.9	90.6	91.1	91.1	91.6	91.7	91.7	91.7	91.9	91.9	92.0	92.0	92.0	92.0
≥ 700	81.8	87.1	89.2	90.8	91.5	91.5	92.0	92.1	92.1	92.3	92.4	92.4	92.6	92.6	92.6	92.6
≥ 600	82.1	87.5	89.7	91.6	92.3	92.3	92.8	92.9	92.9	93.0	93.2	93.2	93.5	93.5	93.5	93.5
≥ 500	87.3	87.9	90.3	92.4	93.2	93.2	94.1	94.2	94.2	94.3	94.4	94.6	95.0	95.0	95.0	95.0
≥ 400	87.3	88.4	91.0	93.4	94.3	94.3	95.2	95.4	95.4	95.7	95.9	95.9	96.3	96.3	96.3	96.3
≥ 300	82.3	88.4	91.0	93.5	94.5	94.5	95.4	95.5	95.5	96.1	96.4	96.4	96.8	96.8	96.8	96.8
≥ 200	82.3	88.4	91.0	93.7	94.7	94.7	95.6	95.9	95.9	96.5	96.9	97.0	97.4	97.4	97.4	97.4
≥ 100	82.3	88.4	91.0	93.7	94.7	94.7	95.6	96.0	96.0	96.6	97.5	97.7	98.7	98.7	98.7	98.7
≥ 0	82.3	88.4	91.0	93.7	94.7	94.7	95.6	96.0	96.0	96.6	97.7	97.8	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 775

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

CEILING VERSUS VISIBILITY

16663 STATION ERIEBUSAP MAY 1951 DUT APT

42-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6900-1100
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING W 20000	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
IV 18000	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
IV 16000	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
IV 14000	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
IV 12000	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
IV 10000	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
IV 9000	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IV 8000	30.9	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
IV 7000	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
IV 6000	38.2	38.5	38.5	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 5000	41.7	42.2	42.2	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 4500	44.6	45.2	45.2	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 4000	49.9	51.2	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 3500	54.7	56.1	56.3	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 3000	64.2	65.9	66.1	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 2500	71.4	73.8	74.2	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2000	77.0	80.6	81.3	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1800	77.4	81.0	81.7	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1500	79.5	83.7	85.0	85.5	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1200	80.0	84.9	86.3	86.8	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 1000	81.5	87.1	89.0	89.5	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900	82.0	88.1	90.3	91.1	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 800	83.2	89.7	91.9	92.8	93.8	93.8	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 700	83.3	90.1	92.2	93.3	94.4	94.4	95.2	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 600	83.6	90.6	92.5	93.8	95.0	95.0	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	83.7	90.7	93.0	94.3	95.5	95.5	96.4	96.8	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	83.7	90.7	93.0	94.3	95.5	95.5	96.6	97.0	97.0	97.6	97.5	97.5	97.5	97.5	97.5	97.5
IV 300	83.7	90.7	93.0	94.3	95.5	95.5	96.8	97.2	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8
IV 200	83.7	90.8	93.2	94.4	95.6	95.6	96.9	97.4	97.4	98.1	98.2	98.2	98.2	98.2	98.2	98.2
IV 100	83.7	90.8	93.2	94.4	95.7	95.7	97.0	97.7	97.7	98.6	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	83.7	90.8	93.2	94.4	95.7	95.7	97.0	97.7	97.7	98.6	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 774

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

CEILING VERSUS VISIBILITY

166.1 STATION NAME: FANNING HAV SWT DLT APT

42-50

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 ≥ 20000	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
IV 18000 16000	25.2	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
IV 14000 12000	25.8	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
IV 10000 9000	30.7	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
IV 8000 7000	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 6000 5000	41.9	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 4500 4000	51.9	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 3500 3000	64.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 2500 2000	79.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1800 1500	84.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1200 1000	87.2	90.7	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 900 800	89.3	93.4	94.5	94.5	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 700 600	89.5	93.7	95.1	95.2	96.0	96.0	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 500 400	89.9	94.3	96.0	96.3	97.2	97.2	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300 200	89.9	94.7	96.4	96.6	97.5	97.5	97.7	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100 0	89.9	94.8	96.5	96.8	97.7	97.7	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 773

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

CEILING VERSUS VISIBILITY

16603 STATION NUMBER EXHIBITION DAY MONTH DAY APT STATION NAME 42-50 YEARS 126 MONTH 1500-1700 HOURS (L. P. T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 18000	26.3	26.6	26.6	26.6	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 16000	27.2	27.5	27.5	27.5	27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 14000	27.9	28.1	28.1	28.1	28.1	28.1	28.1	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 12000	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 10000	29.8	30.1	30.1	30.1	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 9000	31.7	32.0	32.0	32.0	32.0	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 8000	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 7000	36.1	36.4	36.4	36.4	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 6000	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 5000	44.5	45.0	45.2	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 4500	51.4	52.1	52.3	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 4000	55.0	55.4	56.0	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 3500	61.7	62.7	63.0	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3000	67.0	68.4	68.6	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 2500	76.8	78.4	78.6	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2000	81.9	84.4	84.6	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1800	85.5	88.5	88.9	89.0	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	88.8	88.8	89.2	89.3	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1200	97.5	91.1	91.9	92.0	92.1	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1000	97.9	91.6	92.6	92.8	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	98.6	92.9	94.3	94.7	95.0	95.0	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800	98.6	93.0	94.5	94.8	95.1	95.1	95.6	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 700	99.3	93.7	95.1	95.6	95.9	95.9	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	99.3	93.9	95.5	96.1	96.4	96.4	96.9	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	99.3	94.3	96.0	97.0	97.3	97.3	97.8	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	99.3	94.3	96.0	97.0	97.3	97.3	97.8	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	99.3	94.5	96.1	97.3	97.5	97.5	98.1	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	99.3	94.5	96.1	97.3	97.5	97.5	98.1	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	99.3	94.8	96.5	97.7	97.9	97.9	98.5	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	99.5	94.8	96.5	97.7	97.9	97.9	98.5	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 775

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

CEILING VERSUS VISIBILITY

16603 STATION: ETAC, USAF STATION NAME: ETAC 42-50 YEARS: 4 MONTH: 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16603-2000
MONTH: 1

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
≥ 18000	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 16000	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 14000	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 12000	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 10000	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 9000	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 8000	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 7000	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 6000	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 5000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 4500	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 3500	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1800	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1500	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1200	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 700	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 100	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 773

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

CEILING VERSUS VISIBILITY

16613 PUBLISHED DAY OCT 1961

42-50

TEARS

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2400
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 20000	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 18000	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 16000	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 14000	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
IV 12000	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
IV 10000	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
IV 9000	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 8000	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
IV 7000	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 6000	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
IV 5000	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	48.9	48.9	48.9
IV 4500	51.5	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 4000	59.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 3500	63.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 3000	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2500	77.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 2000	82.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 1800	83.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1500	84.8	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 1200	85.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1000	85.3	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 900	85.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 800	85.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 700	85.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 600	85.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 500	85.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 400	85.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 300	85.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 200	85.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 100	85.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 0	85.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1

TOTAL NUMBER OF OBSERVATIONS 771

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

CEILING VERSUS VISIBILITY

106.1 STATION EXETER BAY INT DUT APT

42-49

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000	24.3	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 18000 IV 16000	26.1	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 14000 IV 12000	26.5	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 10000 IV 9000	27.2	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 8000 IV 7000	28.3	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 6000 IV 5000	28.8	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
IV 4500 IV 4000	31.0	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
IV 3500 IV 3000	32.8	33.5	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 2500 IV 2000	35.7	36.4	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
IV 1800 IV 1500	40.0	40.7	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 1200 IV 1000	42.4	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 900 IV 800	47.8	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	48.9	48.9
IV 700 IV 600	55.4	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 500 IV 400	64.4	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 300 IV 200	70.1	71.5	72.1	72.2	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 100 IV 0	76.5	77.2	79.9	80.0	80.0	80.0	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
	78.2	80.8	81.5	81.7	81.7	81.7	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
	80.0	84.2	85.4	85.7	85.7	85.7	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
	80.6	84.9	87.1	87.5	87.5	87.5	88.3	88.3	88.3	88.6	88.8	88.8	88.8	88.8	88.8	88.8
	81.4	86.0	88.6	89.2	89.6	89.6	90.4	90.6	90.6	91.0	91.1	91.1	91.1	91.3	91.3	91.3
	81.4	86.3	88.9	90.4	91.0	91.0	91.8	91.9	91.9	92.5	92.6	92.6	93.1	93.1	93.1	93.1
	81.4	86.4	89.0	90.6	91.1	91.1	91.9	92.1	92.1	92.8	92.9	92.9	93.3	93.3	93.3	93.3
	81.4	86.4	89.2	90.7	91.4	91.4	92.2	92.4	92.4	93.1	93.2	93.2	93.6	93.6	93.6	93.6
	81.4	86.4	89.2	90.7	91.4	91.4	92.4	92.6	92.6	93.3	93.3	93.3	93.9	93.9	93.9	93.9
	81.4	86.4	89.2	90.7	91.4	91.4	92.5	92.8	92.8	93.6	93.8	93.8	94.2	94.2	94.2	94.2
	81.4	86.4	89.2	90.7	91.4	91.4	92.8	93.1	93.1	94.0	94.2	94.2	94.6	94.6	94.6	94.6
	81.4	86.4	89.2	90.7	91.4	91.4	93.2	93.2	93.2	94.4	94.6	94.6	95.0	95.0	95.0	95.0
	81.4	86.4	89.2	90.7	91.4	91.4	92.9	93.3	93.3	95.1	95.3	95.4	96.0	96.1	96.4	96.5
	81.4	86.4	89.2	90.7	91.4	91.4	92.9	93.3	93.3	95.3	95.4	95.6	96.1	96.3	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 720

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

CEILING VERSUS VISIBILITY

166-1 STATION ENGLISH LAKE TOUT APT

42-49

YEARS

51-
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-100-0-00
HOURLY (%)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
≥ 20000	19.5	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
IV 18000	19.5	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
IV 16000	19.6	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
IV 14000	20.0	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
IV 12000	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
IV 10000	21.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IV 9000	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
IV 8000	26.4	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
IV 7000	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 6000	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
IV 5000	37.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 4500	39.1	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
IV 4000	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 3500	53.7	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3000	61.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 2500	70.5	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 2000	77.2	79.4	80.0	80.1	80.3	80.3	80.3	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 1800	77.9	80.3	80.8	80.9	81.1	81.1	81.1	81.1	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1500	79.7	84.0	84.4	84.6	85.1	85.1	85.1	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1200	80.0	84.0	85.8	86.1	86.6	86.6	86.8	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1000	80.7	85.5	87.9	88.2	88.9	88.9	89.2	89.3	89.4	90.1	90.1	90.1	90.1	90.5	90.5	90.5
IV 900	80.9	86.0	88.3	88.6	89.3	89.3	89.6	89.7	89.8	90.5	90.5	90.5	91.0	91.0	91.0	91.0
IV 800	80.9	86.0	88.5	89.0	89.8	89.8	90.1	90.3	90.4	91.2	91.2	91.2	91.9	91.9	91.9	91.9
IV 700	80.9	86.0	88.5	89.0	89.8	89.8	90.1	90.3	90.4	91.2	91.2	91.2	91.9	91.9	91.9	91.9
IV 600	80.9	86.0	88.9	89.4	90.3	90.3	90.3	90.7	90.8	91.7	91.7	91.7	92.4	92.4	92.4	92.4
IV 500	80.9	86.1	89.0	89.6	90.4	90.4	91.1	91.4	91.5	92.6	92.6	92.6	93.5	93.5	93.5	93.5
IV 400	80.9	86.1	89.2	89.7	90.7	90.7	91.4	91.7	91.8	93.0	93.2	93.2	93.5	93.5	93.5	93.5
IV 300	80.9	86.1	89.2	89.7	90.7	90.7	91.5	91.8	91.9	93.2	93.3	93.3	94.2	94.2	94.2	94.2
IV 200	80.9	86.1	89.2	89.7	90.7	90.7	91.5	91.8	91.9	93.2	93.3	93.3	94.3	94.3	94.3	94.3
IV 100	80.9	86.1	89.2	89.7	90.7	90.7	91.5	91.8	91.9	93.6	94.2	94.2	95.4	95.4	95.4	95.4
IV 0	80.9	86.1	89.2	89.7	90.7	90.7	91.5	91.8	91.9	94.3	94.9	94.9	96.2	96.4	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 719

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

CEILING VERSUS VISIBILITY

10602 STATION EXHIBITION DAY INT INT APT

47-49

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0600
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES:														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	12.1	12.1	12.1	12.1	12.1	12.1
≥ 20000	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	14.0	14.0	14.0	14.0	14.0	14.0
≥ 18000	14.2	14.2	14.2	14.3	14.3	14.3	14.3	14.3	14.3	14.6	14.6	14.6	14.6	14.6	14.6
≥ 16000	14.3	14.3	14.3	14.5	14.5	14.5	14.5	14.5	14.5	14.7	14.7	14.7	14.7	14.7	14.7
≥ 14000	15.4	15.4	15.4	15.6	15.6	15.6	15.6	15.6	15.6	15.9	15.9	15.9	15.9	15.9	15.9
≥ 12000	17.2	17.2	17.2	17.4	17.4	17.4	17.4	17.4	17.4	17.7	17.7	17.7	17.7	17.7	17.7
≥ 10000	17.5	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	18.1	18.1	18.1	18.1	18.1	18.1
≥ 9000	18.9	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.5	19.5	19.5	19.5	19.5	19.5
≥ 8000	20.9	21.0	21.0	21.1	21.1	21.1	21.3	21.3	21.3	21.6	21.6	21.6	21.6	21.6	21.6
≥ 7000	23.4	24.1	24.1	24.2	24.2	24.2	24.3	24.3	24.3	24.6	24.6	24.6	24.6	24.6	24.6
≥ 6000	26.8	27.8	27.8	28.1	28.1	28.1	28.2	28.2	28.2	28.5	28.5	28.5	28.5	28.5	28.5
≥ 5000	30.0	31.0	31.0	31.6	31.6	31.6	31.8	31.8	31.5	32.1	32.1	32.1	32.1	32.1	32.1
≥ 4500	32.0	33.0	33.0	33.5	33.5	33.5	33.8	33.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 4000	39.4	40.5	40.5	41.0	41.0	41.0	41.3	41.3	41.3	41.6	41.6	41.6	41.6	41.6	41.6
≥ 3500	53.0	54.2	54.2	54.8	54.8	54.8	55.1	55.1	55.1	55.4	55.4	55.4	55.4	55.4	55.4
≥ 3000	63.0	64.7	64.7	65.4	65.4	65.4	65.6	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9
≥ 2500	70.3	70.4	70.4	71.1	71.1	71.1	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	73.7	76.8	76.8	77.6	77.6	77.6	78.2	78.2	78.2	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	74.3	77.6	77.6	78.4	78.4	78.4	79.0	79.0	79.0	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1500	76.6	80.9	81.2	82.1	82.5	82.5	83.6	83.6	83.6	84.1	84.4	84.4	84.4	84.4	84.4
≥ 1200	77.1	81.5	81.9	82.9	83.3	83.3	84.4	84.4	84.4	85.0	85.3	85.3	85.3	85.3	85.3
≥ 1000	78.4	83.0	83.6	85.1	86.2	86.2	87.6	87.6	87.6	88.6	89.0	89.0	89.0	89.0	89.0
≥ 900	78.4	83.0	83.6	85.1	86.2	86.2	87.6	87.6	87.6	88.6	89.0	89.0	89.0	89.0	89.0
≥ 800	78.6	83.2	83.9	85.4	86.6	86.6	88.2	88.2	88.2	89.4	89.8	89.8	89.8	89.8	89.8
≥ 700	78.6	83.3	84.0	85.5	86.9	86.9	88.5	88.5	88.5	89.8	90.3	90.3	90.3	90.3	90.3
≥ 600	78.6	83.4	84.3	85.8	87.3	87.3	88.9	88.9	88.9	90.5	91.0	91.0	91.0	91.0	91.0
≥ 500	78.6	83.6	84.4	86.0	87.6	87.6	89.3	89.3	89.3	91.4	91.8	91.8	91.8	91.8	91.8
≥ 400	78.6	83.7	84.6	86.1	87.8	87.8	89.6	89.6	89.6	92.6	93.0	93.0	93.0	93.0	93.0
≥ 300	78.6	83.7	84.6	86.1	87.8	87.8	89.6	89.6	89.6	92.6	93.0	93.0	93.0	93.0	93.0
≥ 200	78.6	83.7	84.7	86.2	87.9	87.9	89.6	89.6	89.6	92.6	93.0	93.0	93.0	93.0	93.0
≥ 100	78.6	83.7	84.7	86.2	87.9	87.9	89.6	89.6	89.6	92.6	93.0	93.0	93.0	93.0	93.0
≥ 0	78.6	83.7	84.7	86.2	87.9	87.9	89.6	89.6	89.6	92.6	93.0	93.0	93.0	93.0	93.0

TOTAL NUMBER OF OBSERVATIONS 719

2

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

CEILING VERSUS VISIBILITY

10001 STATION NUMBER 000100 STATION NAME 02-69 YEARS 01 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1100
0000-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .2	≥ 0
NO CEILING	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
≥ 20000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 18000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
IV 16000	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
IV 14000	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
IV 12000	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
IV 10000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
IV 9000	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
IV 8000	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
IV 7000	21.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
IV 6000	25.0	25.3	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
IV 5000	27.2	27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 4500	29.3	29.7	29.7	30.1	30.4	30.4	30.4	30.4	30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6
IV 4000	36.7	37.2	37.2	37.6	37.9	37.9	37.9	37.9	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 3500	49.0	49.9	49.9	50.4	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 3000	62.6	61.5	61.5	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 2500	67.1	68.4	68.6	69.4	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 2000	74.6	76.3	77.1	77.9	78.3	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 1800	78.0	76.9	77.8	78.6	79.0	79.0	79.0	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 1500	78.3	81.1	81.9	82.9	83.9	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1200	78.6	81.5	82.5	83.5	84.4	84.4	84.4	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1000	80.3	83.3	84.6	85.7	87.4	87.4	87.8	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 900	80.3	83.3	84.7	86.0	88.2	88.2	89.0	89.0	89.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7
IV 800	80.3	83.3	84.7	86.0	88.2	88.2	89.0	89.0	89.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7
IV 700	80.4	83.5	84.9	86.1	88.5	88.5	89.3	89.3	89.3	90.8	91.0	91.0	91.1	91.1	91.1	91.1
IV 600	80.6	83.6	85.0	86.3	88.8	88.8	89.9	89.9	89.9	91.4	91.5	91.5	91.7	91.7	91.7	91.7
IV 500	80.7	84.2	85.6	86.9	89.6	89.6	90.8	90.8	91.1	93.1	93.2	93.2	93.5	93.5	93.5	93.5
IV 400	80.7	84.3	85.7	87.1	90.0	90.0	91.3	91.3	91.3	93.9	94.0	94.0	94.3	94.3	94.3	94.3
IV 300	80.7	84.3	85.7	87.1	90.3	90.3	91.7	92.1	92.4	94.9	95.0	95.0	95.3	95.3	95.4	95.4
IV 200	80.7	84.3	85.7	87.2	90.4	90.4	91.8	92.2	92.5	95.6	95.7	95.8	96.3	96.3	96.5	96.5
IV 100	80.7	84.3	85.7	87.2	90.4	90.4	91.8	92.4	92.6	96.0	96.4	96.5	97.1	97.1	97.5	97.5
IV 0	80.7	84.3	85.7	87.2	90.4	90.4	91.8	92.4	92.6	96.0	96.4	96.5	97.4	97.4	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 720

DATA PROCESSING DIVISION
 ETAC, USAF
 ASTORIA, O. R. 97103

CEILING VERSUS VISIBILITY

100-1 STATION EXETER DAY APT

42-44

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1210-1400
 HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ 0
NO CEILING	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
IV 20000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
IV 18000	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
IV 16000	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
IV 14000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 12000	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
IV 10000	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
IV 9000	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
IV 8000	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
IV 7000	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
IV 6000	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 5000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
IV 4500	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 4000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 3500	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 3000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 2500	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 2000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 1800	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 1500	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 1200	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 1000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 900	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 800	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 700	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 600	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 400	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 300	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 200	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 100	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2

TOTAL NUMBER OF OBSERVATIONS

714

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

CEILING VERSUS VISIBILITY

166.1 STATION NUMBER FAIRBANKS DAY DAY MONTH 42 YEAR 49 SLD MONTH 1 YEAR 1900-1900

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	11.8	11.8	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
IV 25000	15.1	15.1	15.1	15.1	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 18000	15.6	15.6	15.6	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 16000	15.7	15.7	15.7	15.7	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 14000	16.1	16.1	16.1	16.1	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
IV 12000	17.2	17.2	17.2	17.2	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 10000	20.1	20.1	20.1	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
IV 9000	20.7	20.7	20.7	20.7	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
IV 8000	22.6	22.6	22.6	22.6	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 7000	26.3	26.3	26.3	26.3	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
IV 6000	31.0	31.0	31.0	31.0	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
IV 5000	33.2	33.2	33.2	33.2	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
IV 4500	34.4	34.4	34.4	34.4	35.0	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
IV 4000	41.3	41.3	41.3	41.3	41.9	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 3500	49.6	49.6	49.6	49.6	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 3000	66.0	66.0	66.0	66.0	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 2500	72.2	72.2	72.2	72.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2000	79.0	79.0	79.0	79.0	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 1800	82.1	82.1	82.1	82.1	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 1500	85.4	85.4	85.4	85.4	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	87.4	87.4	87.4	87.4	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1000	88.3	88.3	88.3	88.3	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 900	88.8	88.8	88.8	88.8	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 800	89.9	89.9	89.9	89.9	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 700	90.1	90.1	90.1	90.1	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 600	90.3	90.3	90.3	90.3	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 500	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 400	91.0	91.0	91.0	91.0	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 300	91.0	91.0	91.0	91.0	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 200	91.0	91.0	91.0	91.0	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 100	91.0	91.0	91.0	91.0	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 0	91.0	91.0	91.0	91.0	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0

TOTAL NUMBER OF OBSERVATIONS 720

DATA PROCESSING DIVISION
ETAC, USAF
KNOXVILLE, T. C. 28001

CEILING VERSUS VISIBILITY

16601 STATION EMBELER DAY INT OUT APT

42-49

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-2000
HOURS (L & P)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING	15.4	15.6	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 20000	17.9	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
IV 18000	18.1	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
IV 16000	18.1	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
IV 14000	18.5	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
IV 12000	18.9	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
IV 10000	22.5	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
IV 9000	22.6	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
IV 8000	23.9	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 7000	27.2	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 6000	31.1	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
IV 5000	35.1	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 4500	38.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 4000	44.3	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 3500	53.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 3000	65.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 2500	71.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 2000	77.9	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	80.4	80.4
IV 1800	81.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1500	81.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1200	81.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1000	82.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 900	83.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 800	83.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 700	83.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 600	83.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 500	83.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 400	83.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 300	83.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 200	83.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 100	83.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 0	83.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2

TOTAL NUMBER OF OBSERVATIONS

720

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

2

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

CEILING VERSUS VISIBILITY

166.3 STATION FILLISTER DAY T. DUT APT

62-69

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2300
MOON (L.P.)

CEILING 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	22.0	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
IV 18000	23.6	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
IV 16000	23.6	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
IV 14000	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
IV 12000	25.2	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
IV 10000	26.4	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
IV 9000	26.6	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IV 8000	28.0	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
IV 7000	30.3	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
IV 6000	33.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
IV 5000	37.6	38.8	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 4500	39.5	40.6	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 4000	45.3	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 3500	52.0	53.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 3000	60.5	62.6	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 2500	68.8	71.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 2000	76.5	79.1	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1800	77.2	80.0	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500	80.0	83.3	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1200	80.3	83.6	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1000	81.2	85.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 900	81.2	85.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 800	81.2	85.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 700	81.9	86.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 600	81.9	86.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 500	81.9	86.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 400	81.9	86.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 300	81.9	86.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 200	81.9	86.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 100	81.9	86.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 0	81.9	86.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS 717

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

CEILING VERSUS VISIBILITY

106.1 STATION EMBLESER DAY INT DUT AMT

42-49

YEARS

6.1 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	20.6	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
IV 18000	20.6	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
IV 16000	20.6	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
IV 14000	20.8	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
IV 12000	21.7	22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
IV 10000	22.1	22.5	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
IV 9000	22.8	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
IV 8000	23.3	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
IV 7000	23.1	23.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
IV 6000	27.8	31.3	31.4	31.4	31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
IV 5000	33.2	35.1	35.5	35.5	35.5	35.5	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
IV 4500	36.0	37.9	38.3	38.3	38.3	38.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 4000	40.8	42.9	43.3	43.7	44.0	44.0	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5
IV 3500	45.6	47.9	48.3	48.7	49.0	49.0	49.4	49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3000	52.5	56.7	57.4	57.8	58.0	58.0	58.6	58.6	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 2500	59.1	64.4	65.2	65.6	66.0	66.0	66.5	66.5	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 2000	69.0	75.4	76.8	77.5	78.4	78.5	79.2	79.2	79.2	79.6	79.9	79.9	79.9	79.9	79.9	79.9
IV 1800	70.0	77.2	78.5	79.2	80.7	80.3	81.0	81.0	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6
IV 1500	74.2	82.7	84.3	85.2	86.4	86.4	87.2	87.2	87.2	87.6	87.9	87.9	88.1	88.1	88.1	88.1
IV 1200	76.0	84.6	86.6	87.6	88.8	88.9	89.7	89.7	89.7	90.1	90.4	90.4	90.7	90.7	90.7	90.7
IV 1000	77.1	86.1	88.8	90.0	91.6	91.8	93.9	94.1	94.1	94.5	94.9	94.9	95.1	95.1	95.1	95.1
IV 900	77.1	86.3	89.2	90.4	92.0	92.2	94.3	94.6	94.6	95.0	95.4	95.4	95.7	95.7	95.7	95.7
IV 800	77.2	86.5	89.5	90.7	92.3	92.4	94.6	94.9	94.9	95.3	95.7	95.7	96.1	96.2	96.2	96.2
IV 700	77.5	87.0	89.7	91.0	92.8	93.0	95.1	95.4	95.4	96.0	96.4	96.6	97.0	97.2	97.2	97.2
IV 600	77.5	87.0	89.7	91.0	92.8	93.0	95.1	95.4	95.4	96.0	96.4	96.6	97.0	97.2	97.2	97.2
IV 500	77.5	87.3	90.0	91.2	93.3	93.4	95.7	96.0	96.0	96.5	96.9	97.2	97.6	97.7	98.0	98.0
IV 400	77.5	87.3	90.0	91.2	93.3	93.4	95.7	96.0	96.0	96.5	96.9	97.2	97.6	97.7	98.0	98.0
IV 300	77.5	87.3	90.0	91.2	93.7	93.8	96.1	96.5	96.5	97.3	97.7	98.0	98.4	98.5	98.8	98.8
IV 200	77.5	87.3	90.0	91.2	93.7	93.8	96.1	96.5	96.5	97.4	97.8	98.1	98.5	98.7	99.1	99.1
IV 100	77.5	87.3	90.0	91.2	93.7	93.8	96.1	96.5	96.5	97.4	97.8	98.1	98.5	98.7	99.2	99.5
IV 0	77.5	87.3	90.0	91.2	93.7	93.8	96.1	96.5	96.5	97.4	97.8	98.1	98.5	98.7	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 741

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

CEILING VERSUS VISIBILITY

STATION 16603 EXPIRATION DAY 31 OCT 67 STATION NAME 42-49 YEARS 1 OCT MONTH 0300-0500 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	18.3	18.8	18.8	18.8	18.8	18.8	19.0	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
IV 20000	18.4	19.0	19.0	19.0	19.0	19.0	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
IV 18000	18.4	19.0	19.0	19.0	19.0	19.0	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
IV 16000	18.4	19.0	19.0	19.0	19.0	19.0	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
IV 14000	18.7	19.2	19.2	19.2	19.2	19.2	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
IV 12000	19.6	20.2	20.2	20.2	20.2	20.2	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
IV 10000	20.0	20.6	20.6	20.6	20.6	20.6	20.7	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
IV 9000	20.3	20.8	20.8	20.8	20.8	20.8	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
IV 8000	21.2	21.8	21.8	21.8	21.8	21.8	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IV 7000	22.8	23.5	23.7	23.7	23.7	23.7	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
IV 6000	27.2	28.4	28.5	28.5	28.5	28.5	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
IV 5000	31.6	32.9	33.5	33.5	33.5	33.5	33.7	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0
IV 4500	33.1	34.4	34.9	35.1	35.3	35.3	35.5	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8
IV 4000	38.0	39.5	40.2	40.3	40.7	41.0	41.1	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 3500	44.0	45.6	46.2	46.5	46.9	47.2	47.3	47.4	47.4	47.6	47.7	47.7	47.7	47.7	47.7	47.7
IV 3000	52.8	55.8	56.9	57.1	57.7	57.9	58.1	58.2	58.2	58.3	58.5	58.5	58.5	58.5	58.5	58.5
IV 2500	60.2	64.8	66.4	66.7	67.2	67.5	67.6	67.7	67.7	68.0	68.3	68.3	68.3	68.3	68.3	68.3
IV 2000	67.6	73.3	75.4	75.7	76.6	76.9	77.0	77.2	77.2	77.4	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	69.5	75.7	78.1	78.4	79.3	79.6	80.0	80.1	80.1	80.4	80.6	80.6	80.6	80.6	80.6	80.6
IV 1500	74.1	80.5	83.6	84.0	85.5	85.8	86.2	86.4	86.6	87.1	87.4	87.4	87.4	87.6	87.6	87.8
IV 1200	75.5	82.3	85.5	86.0	87.5	87.8	88.3	88.5	88.8	89.5	89.8	89.8	89.8	90.1	90.1	90.2
IV 1000	77.3	84.5	88.7	89.7	91.4	91.8	92.9	93.1	93.4	94.4	94.8	94.8	94.8	95.2	95.3	95.6
IV 900	77.3	84.7	88.8	89.8	91.8	92.2	93.3	93.5	93.8	94.9	95.3	95.3	95.7	95.7	95.8	96.0
IV 800	77.3	85.1	89.2	90.2	92.3	92.7	94.0	94.2	94.5	95.7	96.2	96.6	97.0	97.0	97.2	97.3
IV 700	77.3	85.1	89.2	90.2	92.3	92.7	94.1	94.4	94.6	95.8	96.4	96.8	97.2	97.2	97.3	97.4
IV 600	77.4	85.2	89.4	90.2	92.5	92.9	94.2	94.5	94.8	96.0	96.5	96.9	97.3	97.3	97.4	97.6
IV 500	77.4	85.2	89.4	90.3	92.5	92.9	94.4	94.8	95.0	96.6	97.4	97.8	98.3	98.3	98.4	98.5
IV 400	77.4	85.2	89.4	90.3	92.6	93.0	94.5	94.9	95.2	96.8	97.7	98.1	98.7	98.7	98.9	99.1
IV 300	77.4	85.2	89.4	90.3	92.6	93.0	94.5	94.9	95.2	96.8	97.7	98.1	98.9	98.9	99.2	99.3
IV 200	77.4	85.2	89.4	90.3	92.6	93.0	94.5	94.9	95.2	96.9	97.8	98.3	99.2	99.2	99.5	99.7
IV 100	77.4	85.2	89.4	90.3	92.6	93.0	94.5	94.9	95.2	96.9	97.8	98.3	99.2	99.2	99.6	100.0
IV 0	77.4	85.2	89.4	90.3	92.6	93.0	94.5	94.9	95.2	96.9	97.8	98.3	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

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

CEILING VERSUS VISIBILITY

10663 STATION FORT LISTER DAY T. T. APT

42-69

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6000-01.00

CEILING FEET	VISIBILITY: STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	12.2	12.4	12.4	12.5	12.5	12.5	12.6	12.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
≥ 20000	14.4	14.7	14.7	14.8	14.8	14.8	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
IV 18000	14.4	14.7	14.7	14.8	14.8	14.8	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
IV 16000	14.4	14.7	14.7	14.8	14.8	14.8	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
IV 14000	14.4	14.7	14.7	14.8	14.8	14.8	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
IV 12000	15.1	15.1	15.1	15.1	15.1	15.1	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 10000	16.2	16.4	16.4	16.6	16.6	16.6	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
IV 9000	16.4	16.7	16.7	16.8	16.8	16.8	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 8000	17.4	17.6	17.6	17.8	17.8	17.8	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
IV 7000	19.4	20.1	20.1	20.2	20.2	20.2	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
IV 6000	23.7	24.5	24.5	24.9	24.9	24.9	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
IV 5000	28.1	28.9	28.9	29.5	29.5	29.5	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
IV 4500	30.7	31.8	32.0	32.6	32.7	32.7	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
IV 4000	36.6	37.8	38.1	38.8	39.2	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 3500	43.6	45.1	45.5	46.3	46.8	46.8	47.4	47.5	47.5	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 3000	53.2	54.8	55.3	56.1	56.7	56.7	57.3	57.6	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 2500	61.4	63.4	64.9	65.8	66.5	66.5	67.2	67.4	67.4	68.2	68.2	68.2	68.4	68.4	68.4	68.4
IV 2000	69.4	72.8	74.4	75.9	75.9	76.9	77.7	77.9	77.9	78.9	78.9	78.9	79.0	79.0	79.0	79.1
IV 1800	68.8	73.2	75.0	76.4	77.5	77.5	78.3	78.6	78.6	79.5	79.5	79.5	79.7	79.7	79.7	79.9
IV 1500	72.4	77.4	80.1	82.2	83.3	83.4	84.7	85.2	85.2	86.7	86.7	86.7	86.8	86.8	86.8	87.1
IV 1200	72.8	78.0	80.9	83.0	84.7	84.8	86.0	86.7	86.7	88.2	88.2	88.2	88.3	88.3	88.3	88.6
IV 1000	74.4	81.0	83.8	86.1	88.2	88.3	89.8	90.6	90.6	92.5	92.5	92.5	92.6	92.6	92.6	93.1
IV 900	74.4	81.2	84.0	86.3	88.4	88.6	90.0	91.0	91.0	93.0	93.0	93.0	93.1	93.1	93.1	93.7
IV 800	74.6	81.6	84.5	86.9	89.2	89.5	91.1	92.2	92.2	94.9	94.9	94.9	95.0	95.0	95.3	95.7
IV 700	74.7	81.7	84.7	87.1	89.4	89.6	91.4	92.6	92.6	95.3	95.3	95.3	95.4	95.4	95.7	96.1
IV 600	74.7	81.7	84.7	87.1	89.4	89.6	91.4	92.6	92.6	95.3	95.3	95.3	95.4	95.4	95.7	96.1
IV 500	74.7	81.7	84.7	87.1	89.4	89.6	91.5	92.7	92.9	96.2	96.5	96.5	97.0	97.0	97.3	97.7
IV 400	74.7	81.7	84.7	87.1	89.4	89.8	91.8	93.1	93.3	96.9	97.2	97.2	97.7	97.7	98.0	98.4
IV 300	74.7	81.7	84.8	87.3	89.6	90.0	92.1	93.5	93.7	97.7	98.1	98.1	98.7	98.7	98.9	99.3
IV 200	74.7	81.7	84.8	87.3	89.6	90.0	92.1	93.5	93.7	98.0	98.4	98.4	99.1	99.1	99.6	100.0
IV 100	74.7	81.7	84.8	87.3	89.6	90.0	92.1	93.5	93.7	98.0	98.4	98.4	99.1	99.1	99.6	100.0
IV 0	74.7	81.7	84.8	87.3	89.6	90.0	92.1	93.5	93.7	98.0	98.4	98.4	99.1	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 743

2

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

CEILING VERSUS VISIBILITY

10003 STATION NUMBER FORT BRISNER DAY DAY OUT APT 62-49 YEARS 107 MONTH 0900-1100 HOURS (L.P.)

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 ≥ 20000	12.6	12.7	12.7	12.7	12.9	12.9	12.9	13.0	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1
IV 18000	15.9	16.0	16.0	16.0	16.1	16.1	16.1	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.4
IV 16000	15.9	16.0	16.0	16.0	16.1	16.1	16.1	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.4
IV 14000	16.3	16.4	16.4	16.4	16.5	16.5	16.5	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8
IV 12000	17.8	17.9	17.9	17.9	18.0	18.0	18.0	18.2	18.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3
IV 10000	19.0	19.1	19.1	19.1	19.2	19.2	19.2	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5
IV 9000	19.5	19.6	19.6	19.6	19.8	19.8	19.8	19.9	19.9	20.1	20.1	20.1	20.1	20.1	20.1	20.1
IV 8000	20.7	20.9	20.9	20.9	21.0	21.0	21.0	21.1	21.1	21.3	21.3	21.3	21.3	21.3	21.3	21.3
IV 7000	23.2	23.3	23.3	23.3	23.4	23.4	23.4	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7
IV 6000	27.1	27.5	27.8	27.8	27.9	27.9	27.9	28.0	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2
IV 5000	30.8	31.3	31.6	31.7	31.8	31.8	31.8	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1
IV 4500	37.8	33.5	33.7	33.9	34.1	34.1	34.1	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IV 4000	40.0	40.4	41.5	41.9	42.3	42.3	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 3500	46.2	48.0	48.6	49.1	49.6	49.6	49.7	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3000	55.8	58.3	59.3	59.8	60.6	60.6	60.7	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 2500	62.6	66.5	67.6	68.2	69.1	69.1	69.2	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 2000	69.0	73.1	76.6	77.2	78.2	78.2	78.5	78.7	78.7	79.3	79.4	79.4	79.4	79.4	79.4	79.4
IV 1800	69.9	76.2	77.8	78.5	79.5	79.5	79.8	80.1	80.1	80.6	80.8	80.8	80.8	80.8	80.8	80.8
IV 1500	73.2	80.4	82.1	83.2	84.7	84.7	85.1	85.6	85.6	86.7	87.0	87.0	87.1	87.1	87.1	87.1
IV 1200	74.7	81.4	83.2	84.3	85.8	85.8	86.3	86.9	86.9	88.1	88.3	88.3	88.5	88.6	88.6	88.6
IV 1000	75.2	84.0	86.0	87.4	89.0	89.0	89.6	90.1	90.1	91.6	91.9	91.9	92.1	92.2	92.3	92.3
IV 900	75.2	84.0	86.0	87.4	89.0	89.0	89.6	90.1	90.1	91.6	91.9	91.9	92.1	92.2	92.3	92.3
IV 800	75.6	84.6	86.6	88.3	90.5	90.7	91.5	92.0	92.3	93.9	94.3	94.3	94.6	94.7	94.7	94.7
IV 700	75.7	84.7	86.7	88.5	90.7	90.8	91.6	92.1	92.4	94.2	94.6	94.6	94.9	95.0	95.0	95.0
IV 600	76.0	85.1	87.1	88.9	91.1	91.2	92.1	92.8	93.1	95.0	95.4	95.4	95.7	95.8	95.8	95.8
IV 500	76.0	85.1	87.1	88.9	91.1	91.3	92.7	93.5	93.8	95.9	96.3	96.3	96.6	96.7	96.7	96.7
IV 400	76.0	85.1	87.1	88.9	91.1	91.3	92.7	93.5	93.8	95.9	96.3	96.3	96.6	96.7	96.7	96.7
IV 300	76.0	85.1	87.1	88.9	91.5	91.7	93.1	93.9	94.2	96.9	97.6	97.6	98.4	98.5	98.5	98.8
IV 200	76.0	85.1	87.1	88.9	91.5	91.9	93.2	94.0	94.3	97.2	98.1	98.1	98.9	99.1	99.2	99.5
IV 100	76.0	85.1	87.1	88.9	91.5	91.9	93.2	94.0	94.3	97.2	98.2	98.2	99.2	99.3	99.5	99.9
IV 0	76.0	85.1	87.1	88.9	91.5	91.9	93.2	94.0	94.3	97.2	98.2	98.2	99.2	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 738

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

CEILING VERSUS VISIBILITY

16603 STATION FURNISHED BY MET APT

42-49

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
MOON (L.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	15.8	15.8	15.9	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
≥ 20000	16.9	16.9	17.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 18000	16.9	16.9	17.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 16000	16.9	16.9	17.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 14000	17.1	17.1	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 12000	19.0	19.0	19.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
IV 10000	20.0	20.0	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
IV 9000	20.5	20.6	20.8	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
IV 8000	22.3	22.4	22.5	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
IV 7000	24.4	24.4	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
IV 6000	29.0	29.7	29.8	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.2
IV 5000	32.8	33.6	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.1
IV 4500	35.2	36.0	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.6
IV 4000	40.5	41.3	41.4	41.6	41.7	41.7	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.4
IV 3500	46.6	48.0	48.4	48.6	48.7	48.9	49.1	49.1	49.1	49.3	49.3	49.3	49.3	49.4	49.4	49.7
IV 3000	57.6	59.6	60.3	60.5	60.7	60.9	61.1	61.1	61.1	61.4	61.4	61.4	61.4	61.5	61.5	61.8
IV 2500	67.2	67.9	68.8	69.2	69.6	69.8	70.2	70.2	70.2	70.6	70.6	70.6	70.6	70.7	70.7	71.0
IV 2000	71.5	73.4	76.9	77.6	78.0	78.1	78.9	78.9	78.9	79.6	79.6	79.6	79.6	79.8	79.8	80.0
IV 1800	72.2	74.2	77.9	78.5	79.1	79.2	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.8	80.8	81.1
IV 1500	75.4	80.2	81.9	82.9	83.8	84.3	85.3	85.4	85.4	86.5	86.5	86.5	86.5	86.6	86.6	86.9
IV 1200	76.1	81.4	83.1	84.2	85.3	85.8	86.8	86.9	86.9	88.4	88.4	88.4	88.4	88.5	88.5	88.8
IV 1000	77.3	83.1	85.2	86.4	88.1	88.8	90.3	90.4	90.4	92.3	92.3	92.3	92.3	92.6	92.6	92.8
IV 900	77.5	83.3	85.3	86.5	88.3	88.9	90.4	90.6	90.6	92.4	92.4	92.4	92.4	92.7	92.7	93.0
IV 800	77.5	83.5	85.6	86.9	88.7	89.3	91.0	91.8	91.8	94.5	95.1	95.1	95.1	95.4	95.4	95.7
IV 700	77.5	83.5	85.6	86.9	88.7	89.3	91.1	91.9	92.0	94.7	95.4	95.4	95.4	95.7	95.7	96.1
IV 600	77.5	83.5	85.6	87.2	89.1	89.7	91.5	92.3	92.4	95.1	95.8	96.0	96.2	96.2	96.6	96.6
IV 500	77.5	83.5	85.6	87.4	89.5	90.3	92.0	92.8	93.0	95.8	97.0	97.2	97.4	97.4	97.8	97.8
IV 400	77.5	83.5	85.6	87.4	89.5	90.3	92.0	92.8	93.0	96.0	97.4	97.6	98.0	98.0	98.4	98.5
IV 300	77.5	83.5	85.6	87.4	89.7	90.8	92.7	93.5	93.7	96.6	98.4	98.5	99.1	99.1	99.5	99.6
IV 200	77.5	83.5	85.6	87.4	89.7	90.8	92.7	93.7	93.8	96.9	98.7	98.8	99.3	99.3	99.7	99.9
IV 100	77.5	83.5	85.6	87.4	89.7	90.8	92.7	93.7	93.8	96.9	98.7	98.8	99.3	99.3	99.7	99.9
IV 0	77.5	83.5	85.6	87.4	89.7	90.8	92.7	93.7	93.8	96.9	98.7	98.8	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 741

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

CEILING VERSUS VISIBILITY

140-07 STATION EMBLETTON BAY INT DUT APT

42-49

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 3/16	≥ 1/4	≥ 0
NO CEILING	16.2	16.6	16.8	16.9	16.9	16.9	16.9	16.9	16.9	16.9	17.2	17.2	17.2	17.2	17.2	17.2
≥ 20000	16.8	17.3	17.3	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.9	17.9	17.9	17.9	17.9	17.9
IV 18000	16.8	17.3	17.3	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.9	17.9	17.9	17.9	17.9	17.9
IV 16000	17.2	17.7	17.7	17.9	18.0	18.0	18.0	18.0	18.0	18.0	18.3	18.3	18.3	18.3	18.3	18.3
IV 14000	17.5	18.0	18.0	18.1	18.3	18.3	18.3	18.3	18.3	18.3	18.5	18.5	18.5	18.5	18.5	18.5
IV 12000	18.9	19.5	19.5	19.6	19.8	19.8	19.8	19.8	19.8	19.8	20.0	20.0	20.0	20.0	20.0	20.0
IV 10000	20.0	20.6	20.6	20.7	20.8	20.8	20.8	20.8	20.8	20.8	21.1	21.1	21.1	21.1	21.1	21.1
IV 9000	20.8	21.4	21.4	21.5	21.7	21.7	21.7	21.7	21.7	21.7	21.9	21.9	21.9	21.9	21.9	21.9
IV 8000	22.5	23.0	23.0	23.1	23.3	23.3	23.3	23.3	23.3	23.3	23.5	23.5	23.5	23.5	23.5	23.5
IV 7000	24.2	25.0	25.0	25.3	25.4	25.6	25.8	25.8	25.8	25.8	26.0	26.3	26.3	26.3	26.3	26.3
IV 6000	28.4	29.4	29.4	29.8	29.9	30.0	30.3	30.3	30.3	30.4	30.7	30.7	30.7	30.7	30.7	30.7
IV 5000	31.7	32.9	32.9	33.3	33.4	33.6	33.6	33.8	33.8	34.0	34.2	34.2	34.2	34.2	34.2	34.2
IV 4500	34.5	35.7	35.7	36.1	36.3	36.4	36.7	36.7	36.7	36.8	37.1	37.1	37.1	37.1	37.1	37.1
IV 4000	38.6	39.9	39.9	40.3	40.6	40.7	41.0	41.0	41.0	41.3	41.5	41.5	41.5	41.5	41.5	41.5
IV 3500	44.1	45.6	45.6	46.1	46.3	46.4	46.7	46.7	46.7	47.0	47.2	47.2	47.2	47.2	47.2	47.2
IV 3000	54.5	57.4	57.6	58.5	59.0	59.1	59.4	59.4	59.4	59.7	59.9	59.9	59.9	59.9	59.9	59.9
IV 2500	62.2	65.8	66.3	67.5	68.3	68.5	68.7	68.9	68.9	69.1	69.4	69.4	69.4	69.4	69.4	69.4
IV 2000	70.5	74.7	75.9	77.4	78.6	78.8	79.6	79.7	79.7	80.0	80.2	80.2	80.2	80.2	80.2	80.2
IV 1800	70.8	75.2	76.5	77.9	79.3	79.4	80.2	80.4	80.4	80.6	80.9	80.9	80.9	80.9	80.9	80.9
IV 1500	73.5	79.0	80.5	82.1	83.8	83.9	85.1	85.4	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9
IV 1200	74.3	80.4	81.9	83.5	85.1	85.3	86.6	86.9	86.9	87.1	87.4	87.4	87.4	87.4	87.4	87.4
IV 1000	75.5	82.5	84.4	86.5	89.0	89.2	90.9	91.6	91.6	92.2	92.4	92.7	92.7	92.7	92.7	92.7
IV 900	75.5	82.5	84.4	86.5	89.0	89.2	90.9	91.6	91.6	92.2	92.4	92.7	92.7	92.7	92.7	92.7
IV 800	75.5	82.7	84.7	86.9	89.9	90.0	92.2	93.5	93.8	94.6	95.4	95.7	95.9	95.9	95.9	95.9
IV 700	75.5	82.7	84.7	86.9	89.9	90.0	92.2	93.5	93.8	94.6	95.4	95.7	95.9	95.9	95.9	95.9
IV 600	75.5	82.7	84.7	86.9	89.9	90.0	92.2	93.5	93.8	94.6	95.4	95.7	95.9	95.9	95.9	95.9
IV 500	75.5	82.7	84.7	86.9	89.9	90.1	92.6	94.2	94.5	95.4	96.2	96.5	97.3	97.3	97.6	98.0
IV 400	75.5	82.7	84.7	86.9	89.9	90.1	92.6	94.2	94.5	95.4	96.2	96.5	97.3	97.3	97.6	98.0
IV 300	75.5	82.7	84.7	87.1	90.1	90.4	93.0	94.6	94.9	95.9	96.9	97.2	98.4	98.4	98.8	99.2
IV 200	75.5	82.7	84.7	87.1	90.1	90.4	93.0	94.6	94.9	95.9	96.9	97.2	98.4	98.4	98.8	99.2
IV 100	75.5	82.7	84.7	87.1	90.1	90.4	93.0	94.6	94.9	95.9	96.9	97.2	98.4	98.4	98.8	99.2
IV 0	75.5	82.7	84.7	87.1	90.1	90.4	93.0	94.6	94.9	95.9	96.9	97.2	98.4	98.4	98.8	99.2

TOTAL NUMBER OF OBSERVATIONS 739

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

CEILING VERSUS VISIBILITY

16001 STATION NAME EXHIBITOR DAY MONTH YEAR APT

42-49

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	18.1	18.0	18.6	18.6	18.6	18.6	18.8	18.8	18.9	19.2	19.2	19.2	19.2	19.2	19.2	19.2
IV 18000 16000	18.1	19.1	19.1	19.1	19.1	19.1	19.2	19.2	19.3	19.6	19.6	19.6	19.6	19.6	19.6	19.6
IV 14000 12000	18.1	19.1	19.1	19.1	19.1	19.1	19.2	19.2	19.3	19.6	19.6	19.6	19.6	19.6	19.6	19.6
IV 10000 9000	19.9	21.2	21.2	21.2	21.2	21.2	21.4	21.4	21.5	21.8	21.8	21.8	21.8	21.8	21.8	21.8
IV 8000 7000	20.5	21.9	21.9	21.9	21.9	21.9	22.0	22.0	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4
IV 6000 5000	21.4	22.8	22.8	22.8	22.8	22.8	23.0	23.0	23.1	23.4	23.4	23.4	23.4	23.4	23.4	23.4
IV 4500 4000	24.1	25.7	25.7	25.7	25.7	25.7	26.1	26.1	26.2	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 3500 3000	25.9	27.7	27.7	27.7	27.7	28.0	28.4	28.4	28.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8
IV 2500 2000	31.5	33.5	33.5	33.5	33.6	33.8	34.2	34.2	34.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6
IV 1800 1500	36.1	38.9	38.9	38.9	39.1	39.2	39.6	39.6	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 1200 1000	40.4	43.4	43.5	43.5	43.9	44.1	44.5	44.5	44.6	44.9	45.0	45.0	45.0	45.0	45.0	45.0
IV 900 800	49.7	54.8	54.7	54.7	54.7	54.9	55.4	55.4	55.5	55.9	56.1	56.1	56.1	56.1	56.1	56.1
IV 700 600	56.9	62.6	63.4	63.9	64.5	64.6	65.3	65.3	65.4	66.1	66.2	66.2	66.2	66.2	66.2	66.2
IV 500 400	64.9	71.5	73.1	73.9	74.5	74.6	75.3	75.3	75.4	76.1	76.2	76.2	76.2	76.2	76.2	76.2
IV 300 200	66.9	73.8	75.4	76.2	76.8	76.9	77.7	77.7	77.8	78.5	78.6	78.6	78.6	78.6	78.6	78.6
IV 100 0	70.1	78.2	80.7	81.5	82.2	82.3	83.6	83.6	83.8	84.7	84.9	84.9	84.9	84.9	84.9	84.9
IV 0	72.6	80.8	83.4	84.5	85.4	85.5	86.9	86.9	87.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
IV 0	73.5	83.0	85.5	87.2	88.2	88.4	89.9	89.9	90.0	91.8	92.0	92.0	92.0	92.0	92.0	92.0
IV 0	73.8	83.8	86.4	88.0	89.1	89.2	91.1	91.1	91.2	93.0	93.2	93.2	93.2	93.2	93.2	93.2
IV 0	73.9	84.9	87.6	89.2	90.4	90.5	93.1	93.2	93.4	95.3	95.5	95.5	95.5	95.5	95.5	95.5
IV 0	73.9	85.0	87.7	89.3	90.5	90.7	93.2	93.4	93.5	95.4	95.7	95.7	95.7	95.7	95.7	95.7
IV 0	73.9	85.0	87.7	89.3	90.5	90.7	93.6	93.8	93.9	95.8	96.2	96.2	96.2	96.2	96.4	96.3
IV 0	73.9	85.0	87.7	89.3	90.7	90.9	94.6	94.7	94.9	97.2	97.7	97.7	97.7	98.0	98.1	98.5
IV 0	73.9	85.0	87.7	89.3	90.7	90.9	94.6	94.7	94.9	97.2	97.7	97.7	97.7	98.1	98.1	98.6
IV 0	73.9	85.0	87.7	89.3	90.7	90.9	94.6	94.7	94.9	97.6	98.1	98.1	98.1	98.6	98.6	99.2
IV 0	73.9	85.0	87.7	89.3	90.7	90.9	94.6	94.7	94.9	97.6	98.1	98.1	98.1	98.6	98.6	99.2
IV 0	73.9	85.0	87.7	89.3	90.7	90.9	94.6	94.7	94.9	97.6	98.1	98.1	98.1	98.6	98.6	99.2

TOTAL NUMBER OF OBSERVATIONS 740

DATA PROCESSING DIVISION
USAF ETAC
AIR FORCE ENGINEERING CENTER

CEILING VERSUS VISIBILITY

STATION 100.3 FR-HIS-PR DAY NOT MET APT 92-49 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	19.9	21.1	21.5	21.5	21.5	21.9	21.5	21.9	21.5	21.9	21.5	21.9	21.5	21.9	21.5	21.9
≥ 20000	20.1	21.7	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 18000	20.1	21.7	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 16000	20.1	21.7	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 14000	20.1	21.7	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 12000	20.3	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 10000	20.6	22.6	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
≥ 9000	20.7	22.8	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 8000	21.4	23.4	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 7000	23.7	25.7	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 6000	27.2	29.7	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 5000	31.0	34.1	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 4500	32.2	35.4	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 4000	37.0	40.9	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 3500	42.5	47.0	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 3000	50.0	55.8	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
≥ 2500	66.0	65.7	66.8	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 2000	66.0	75.3	77.1	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1800	67.5	77.1	78.9	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1500	70.1	81.6	84.1	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1200	73.0	85.8	88.3	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
≥ 1000	74.4	87.5	90.5	92.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 900	74.4	87.9	90.9	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	74.5	88.3	91.3	93.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	74.5	88.5	91.5	93.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	74.5	88.5	91.5	93.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	74.5	88.9	91.9	93.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	74.7	89.0	92.0	93.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 300	74.7	89.0	92.0	93.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 200	74.7	89.0	92.0	93.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 100	74.7	89.0	92.0	93.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 0	74.7	89.0	92.0	93.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS 738

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

CEILING VERSUS VISIBILITY

10003 STATION EMBERSHAW DAY INT DUT APT 42-42 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0700
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ 0
NO CEILING	27.2	28.4	28.7	28.9	24.9	24.9	29.4	29.4	29.4	29.7	29.7	29.7	29.7	29.7	29.7
≥ 2000	28.7	30.0	30.3	30.4	30.4	30.4	30.9	30.9	30.9	31.2	31.2	31.2	31.2	31.2	31.2
IV 18000	28.7	30.0	30.3	30.4	30.4	30.4	30.9	30.9	30.9	31.2	31.2	31.2	31.2	31.2	31.2
IV 16000	28.9	30.1	30.4	30.6	30.6	30.6	31.0	31.0	31.0	31.3	31.3	31.3	31.3	31.3	31.3
IV 14000	30.6	31.6	32.1	32.3	32.3	32.3	32.7	32.7	32.7	33.0	33.0	33.0	33.0	33.0	33.0
IV 12000	31.5	32.0	32.3	32.5	32.5	32.5	33.0	33.0	33.0	33.3	33.3	33.3	33.3	33.3	33.3
IV 10000	31.5	32.0	32.3	32.5	32.5	32.5	33.0	33.0	33.0	33.3	33.3	33.3	33.3	33.3	33.3
IV 9000	31.8	32.3	32.6	32.8	32.8	32.8	33.3	33.3	33.3	33.6	33.6	33.6	33.6	33.6	33.6
IV 8000	33.5	35.0	35.3	35.5	35.5	35.5	35.9	35.9	35.9	36.2	36.2	36.2	36.2	36.2	36.2
IV 7000	35.5	37.0	37.3	37.5	37.5	37.5	37.9	37.9	37.9	38.2	38.2	38.2	38.2	38.2	38.2
IV 6000	37.9	40.2	41.0	41.1	41.3	41.3	41.7	41.7	41.7	42.0	42.0	42.0	42.0	42.0	42.0
IV 5000	41.1	43.7	44.5	44.6	44.8	44.8	45.3	45.3	45.3	45.6	45.6	45.6	45.6	45.6	45.6
IV 4500	42.7	45.9	46.8	46.9	47.2	47.2	47.7	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.0
IV 4000	46.9	50.8	51.7	51.8	52.3	52.3	52.9	53.1	53.1	53.4	53.4	53.4	53.4	53.4	53.4
IV 3500	51.4	56.1	57.2	57.5	58.0	58.0	58.7	58.9	58.9	59.3	59.3	59.3	59.3	59.3	59.3
IV 3000	56.1	61.9	63.5	64.2	64.8	64.8	66.1	66.2	66.2	66.8	66.8	66.8	66.8	67.0	67.0
IV 2500	61.3	68.6	71.3	71.7	72.6	72.6	74.2	74.8	74.8	75.5	75.5	75.5	75.5	75.7	75.7
IV 2000	64.8	73.9	78.0	78.7	80.1	80.1	82.0	83.0	83.2	84.1	84.1	84.1	84.3	84.3	84.3
IV 1800	65.4	75.2	79.5	80.3	81.7	81.7	83.5	84.6	84.7	85.6	85.6	85.6	85.8	85.8	85.8
IV 1500	67.1	77.7	82.9	83.9	85.6	85.6	87.6	88.8	89.0	89.9	89.9	89.9	90.1	90.1	90.1
IV 1200	67.4	78.5	83.6	84.9	87.2	87.2	89.1	90.4	90.5	91.4	91.4	91.4	91.6	91.6	91.6
IV 1000	68.3	79.4	84.9	86.2	88.7	88.7	91.0	92.4	92.5	94.6	94.6	94.6	95.0	95.0	95.0
IV 900	68.3	79.4	84.9	86.2	88.7	88.7	91.0	92.4	92.5	94.6	94.6	94.6	95.0	95.0	95.0
IV 800	68.5	79.5	85.0	86.4	89.1	89.1	91.4	93.0	93.1	95.6	95.7	95.7	96.0	96.0	96.0
IV 700	68.5	79.5	85.0	86.4	89.1	89.1	91.4	93.0	93.1	95.6	96.0	96.0	96.3	96.3	96.3
IV 600	68.5	79.5	85.0	86.4	89.1	89.1	91.4	93.0	93.1	95.6	96.2	96.2	96.5	96.5	96.5
IV 500	68.5	79.5	85.0	86.4	89.1	89.3	91.9	93.6	93.7	96.2	97.2	97.2	98.0	98.0	98.0
IV 400	68.5	79.5	85.0	86.4	89.1	89.3	91.9	93.6	93.7	96.2	97.4	97.4	98.3	98.3	98.3
IV 300	68.5	79.5	85.0	86.4	89.1	89.3	91.9	93.6	93.7	96.2	97.6	97.6	98.5	98.6	98.6
IV 200	68.5	79.5	85.0	86.4	89.1	89.3	91.9	93.6	93.7	96.2	97.6	97.6	98.6	98.8	98.8
IV 100	68.5	79.5	85.0	86.4	89.1	89.3	91.9	93.6	93.7	96.5	97.9	97.9	98.9	99.1	99.4
IV 0	68.5	79.5	85.0	86.4	89.1	89.3	91.9	93.6	93.7	96.5	97.9	97.9	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 624

DATA PROCESSING DIVISION
ETAC, USAF
ASTORIA, O. R. 97103

CEILING VERSUS VISIBILITY

166011 EX-151000 AV I D T APT

42-49

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0500
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .5/8	≥ .5	≥ .5/16	≥ .5	≥ 0
NO CEILING ≥ 20000	25.8	27.7	27.8	27.8	28.3	28.3	28.3	28.3	28.4	28.4	28.5	28.6	28.7	28.7	28.7	28.7
≥ 18000	27.2	29.1	29.4	29.4	29.8	29.8	29.8	29.8	30.0	30.0	30.1	30.1	30.3	30.3	30.3	30.3
≥ 16000	27.2	29.1	29.4	29.4	29.8	29.8	29.8	29.8	30.0	30.0	30.1	30.1	30.3	30.3	30.3	30.3
≥ 14000	27.7	29.5	29.8	29.8	30.3	30.3	30.3	30.3	30.4	30.4	30.5	30.6	30.8	30.8	30.8	30.8
≥ 12000	28.9	30.9	31.2	31.2	31.7	31.7	31.7	31.7	31.8	31.8	32.0	32.0	32.3	32.3	32.3	32.3
≥ 10000	28.9	30.9	31.2	31.2	31.7	31.7	31.7	31.7	31.8	31.8	32.0	32.0	32.3	32.3	32.3	32.3
≥ 9000	29.8	31.8	32.1	32.1	32.6	32.6	32.6	32.6	32.8	32.8	32.9	32.9	33.2	33.2	33.2	33.2
≥ 8000	30.3	32.3	32.6	32.6	33.1	33.1	33.1	33.1	33.2	33.2	33.4	33.4	33.7	33.7	33.7	33.7
≥ 7000	31.8	34.0	34.2	34.2	35.1	35.1	35.1	35.1	35.2	35.2	35.4	35.4	35.7	35.7	35.7	35.7
≥ 6000	34.0	36.8	37.9	38.2	38.6	38.6	39.1	39.1	39.3	39.3	39.4	39.4	39.7	39.7	39.7	39.7
≥ 5000	36.9	40.0	41.1	41.4	41.9	41.9	42.3	42.3	42.5	42.5	42.7	42.7	43.0	43.0	43.0	43.0
≥ 4500	38.3	41.4	42.5	42.8	43.3	43.3	43.7	43.7	43.9	43.9	44.0	44.0	44.4	44.4	44.4	44.4
≥ 4000	43.9	47.4	48.5	48.8	49.3	49.3	49.9	49.9	50.1	50.2	50.4	50.7	50.7	51.0	51.0	51.0
≥ 3500	47.8	51.9	53.2	53.5	54.3	54.3	54.7	54.7	55.0	55.2	55.3	55.5	55.8	55.8	55.8	55.8
≥ 3000	53.5	59.8	61.4	61.8	62.9	62.9	63.4	63.4	63.9	64.1	64.3	64.5	64.8	64.8	64.8	64.8
≥ 2500	59.8	67.4	69.6	70.2	71.4	71.4	71.9	72.2	72.6	73.0	73.4	73.4	73.7	73.7	73.7	73.7
≥ 2000	64.8	74.0	77.1	78.1	79.6	79.6	80.7	81.1	81.6	82.2	82.7	82.7	83.0	83.0	83.0	83.0
≥ 1800	65.4	75.4	77.7	79.6	81.1	81.1	82.4	82.8	83.3	83.9	84.4	84.4	84.7	84.7	84.7	84.7
≥ 1500	66.6	77.2	81.1	82.1	84.1	84.1	85.8	86.2	86.7	87.8	88.3	88.4	88.7	88.7	88.7	88.7
≥ 1200	67.7	78.8	82.7	83.6	85.9	85.9	87.8	88.4	88.9	90.0	90.6	90.7	91.0	91.0	91.0	91.3
≥ 1000	68.5	80.2	85.0	86.1	88.9	88.9	90.7	91.3	91.8	93.7	94.4	94.6	95.1	95.1	95.2	95.5
≥ 900	68.6	80.4	85.2	86.2	89.0	89.0	90.9	91.5	92.0	93.8	94.6	94.7	95.4	95.4	95.5	95.8
≥ 800	68.6	80.4	85.2	86.2	89.0	89.0	91.0	91.7	92.1	94.0	94.7	94.9	96.0	96.0	96.1	96.4
≥ 700	68.6	80.4	85.2	86.2	89.0	89.0	91.0	91.7	92.1	94.0	94.7	94.9	96.1	96.1	96.4	96.8
≥ 600	68.6	80.4	85.2	86.2	89.2	89.2	91.2	91.8	92.3	94.1	95.3	95.7	96.9	96.9	97.2	97.5
≥ 500	68.6	80.4	85.2	86.2	89.2	89.2	91.3	92.1	92.6	94.4	96.0	96.1	97.3	97.3	97.8	98.1
≥ 400	68.6	80.4	85.2	86.2	89.2	89.2	91.3	92.1	92.6	94.4	96.1	96.3	97.7	97.7	98.0	98.3
≥ 300	68.6	80.4	85.2	86.2	89.2	89.2	91.3	92.1	92.6	94.4	96.4	96.6	98.0	98.0	98.5	98.8
≥ 200	68.6	80.4	85.2	86.2	89.2	89.2	91.3	92.1	92.6	94.4	96.6	96.8	98.1	98.1	98.9	99.2
≥ 100	68.6	80.4	85.2	86.2	89.2	89.2	91.3	92.1	92.7	94.7	96.9	97.1	98.3	98.3	99.2	99.5
≥ 0	68.6	80.4	85.2	86.2	89.2	89.2	91.3	92.1	92.7	94.7	96.9	97.1	98.3	98.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 647

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

CEILING VERSUS VISIBILITY

16601 STATION EMBLESSEY DAY POST BAY APT

42-44

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6500-0400
HOURS (L E T)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .5	≥ .516	≥ .4	≥ 0
NO CEILING	18.8	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.4	20.4	20.5	20.6	20.6	20.6	20.6
≥ 20000	20.4	22.3	22.3	22.3	22.3	22.3	22.3	22.4	22.4	22.6	22.7	22.7	22.7	22.7	22.7	22.7
IV 18000	20.4	22.3	22.3	22.3	22.3	22.3	22.3	22.4	22.4	22.6	22.7	22.7	22.7	22.7	22.7	22.7
IV 16000	20.9	22.7	22.7	22.7	22.7	22.7	22.7	22.9	22.9	23.0	23.2	23.2	23.2	23.2	23.2	23.2
IV 14000	21.2	23.0	23.0	23.0	23.0	23.0	23.0	23.2	23.2	23.3	23.5	23.5	23.5	23.5	23.5	23.5
IV 12000	22.1	23.9	23.9	23.9	23.9	23.9	23.9	24.1	24.1	24.2	24.4	24.4	24.4	24.4	24.4	24.4
IV 10000	23.3	25.2	25.2	25.2	25.2	25.2	25.2	25.3	25.3	25.5	25.6	25.6	25.6	25.6	25.6	25.6
IV 9000	23.6	25.5	25.5	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.9	25.9	25.9	25.9	25.9	25.9
IV 8000	24.1	25.9	25.9	25.9	25.9	25.9	25.9	26.1	26.1	26.2	26.4	26.4	26.4	26.4	26.4	26.4
IV 7000	27.6	29.4	29.4	29.4	29.7	29.7	29.7	29.9	29.9	30.0	30.2	30.2	30.2	30.2	30.2	30.2
IV 6000	30.9	33.1	33.2	33.2	33.7	33.7	33.7	33.8	33.8	34.0	34.1	34.1	34.1	34.1	34.1	34.1
IV 5000	35.2	37.3	37.3	37.7	38.3	38.3	38.3	38.4	38.4	38.6	38.7	38.7	38.7	38.7	38.7	38.7
IV 4500	37.0	39.2	39.3	39.5	40.4	40.4	40.5	40.7	40.7	41.0	41.2	41.2	41.2	41.2	41.2	41.2
IV 4000	42.7	42.6	46.2	46.3	47.4	47.4	47.6	47.7	47.7	48.0	48.2	48.2	48.3	48.3	48.3	48.3
IV 3500	45.9	44.7	50.3	50.6	52.3	52.3	52.7	52.7	52.9	53.2	53.4	53.4	53.5	53.7	53.7	53.7
IV 3000	52.4	58.5	60.1	60.8	62.8	62.8	63.4	63.6	63.6	64.2	64.6	64.6	64.8	64.9	64.9	64.9
IV 2500	59.8	66.6	69.9	70.0	72.3	72.3	73.2	73.3	73.3	73.9	74.4	74.4	74.5	74.7	74.7	74.7
IV 2000	64.8	73.2	77.0	78.7	81.4	81.4	82.8	83.1	83.1	83.8	84.3	84.3	84.3	84.9	84.9	84.9
IV 1800	64.9	73.8	77.4	79.1	81.9	81.9	83.4	83.7	83.7	84.5	84.9	84.9	85.1	85.2	85.2	85.2
IV 1500	67.4	77.4	81.1	83.1	86.4	86.4	88.4	88.7	88.7	90.1	90.5	90.5	91.2	91.3	91.3	91.3
IV 1200	68.1	78.5	82.5	84.5	87.8	87.8	89.9	90.2	90.2	92.1	92.5	92.5	93.1	93.3	93.3	93.3
IV 1000	68.4	79.4	83.7	85.7	89.3	89.3	91.8	92.1	92.1	94.1	94.7	94.7	95.3	95.4	95.6	95.6
IV 900	68.4	79.4	83.7	85.7	89.3	89.3	91.8	92.1	92.1	94.1	94.8	94.8	95.4	95.6	95.7	95.7
IV 800	68.4	79.4	83.7	85.7	89.3	89.3	91.8	92.1	92.1	94.1	94.8	94.8	95.4	95.6	95.7	95.7
IV 700	68.4	79.4	83.8	85.8	89.6	89.6	92.1	92.4	92.4	94.5	95.3	95.3	95.9	96.0	96.2	96.2
IV 600	68.4	79.4	83.8	85.8	89.6	89.6	92.1	92.4	92.4	94.8	95.6	95.6	96.2	96.3	96.5	96.5
IV 500	68.4	79.4	83.8	85.8	89.6	89.6	92.2	92.7	92.7	95.3	96.3	96.3	97.1	97.3	97.4	97.4
IV 400	68.4	79.4	83.8	85.8	89.6	89.6	92.2	92.7	92.7	95.3	96.6	96.6	97.4	97.6	97.9	97.9
IV 300	68.4	79.4	83.8	85.8	89.6	89.6	92.2	92.8	92.8	95.6	97.0	97.0	97.9	98.0	98.1	98.1
IV 200	68.4	79.4	83.8	85.8	89.6	89.6	92.2	92.8	92.8	95.6	97.0	97.0	97.9	98.0	98.1	98.1
IV 100	68.4	79.4	83.8	85.8	89.6	89.6	92.2	92.8	92.8	95.6	97.0	97.0	97.9	98.0	98.1	98.1
IV 0	68.4	79.4	83.8	85.8	89.6	89.6	92.2	93.0	93.0	95.7	97.1	97.1	98.0	98.2	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

626

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28011

CEILING VERSUS VISIBILITY

STATION 100-3 ENGLISH SAVANT APT 42-43 YEARS MONTH 12
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 0000-1100 HOURS (L.V.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 0
1000	11.2	14.3	14.4	14.7	15.5	15.5	15.7	16.0	16.0	16.1	16.3	16.3	16.3	16.3	16.3	16.4
2000	13.0	17.3	17.6	17.9	18.7	18.7	18.8	19.1	19.1	19.3	19.5	19.5	19.5	19.5	19.5	19.6
3000	16.0	17.5	17.6	17.9	18.7	18.7	18.8	19.1	19.1	19.3	19.5	19.5	19.5	19.5	19.5	19.6
4000	16.3	17.8	17.8	18.2	19.0	19.0	19.1	19.5	19.5	19.6	19.8	19.8	19.8	19.8	19.8	19.9
5000	17.2	18.7	19.0	19.3	20.1	20.1	20.2	20.5	20.5	20.7	20.8	20.8	20.8	20.8	20.8	21.0
6000	17.5	21.1	21.4	21.7	22.5	22.5	22.6	22.9	22.9	23.1	23.3	23.3	23.3	23.3	23.3	23.4
7000	21.6	24.0	24.3	24.6	25.4	25.4	25.5	25.8	25.8	26.0	26.1	26.1	26.1	26.1	26.1	26.3
8000	21.7	24.2	24.5	24.8	25.5	25.5	25.7	26.0	26.0	26.1	26.3	26.3	26.3	26.3	26.3	26.4
9000	22.3	24.9	25.2	25.5	26.3	26.3	26.4	26.7	26.7	26.9	27.1	27.1	27.1	27.1	27.1	27.2
10000	25.4	28.9	28.9	29.3	30.2	30.2	30.4	30.7	30.7	31.2	31.3	31.3	31.3	31.3	31.3	31.5
11000	28.0	31.2	31.5	31.9	33.1	33.1	33.3	33.6	33.6	34.2	34.3	34.3	34.3	34.3	34.3	34.5
12000	34.3	37.8	38.3	38.8	40.1	40.1	40.3	40.6	40.6	41.2	41.3	41.3	41.3	41.3	41.3	41.5
13000	37.7	39.4	39.9	40.3	41.6	41.6	41.8	42.1	42.1	42.7	43.3	43.3	43.3	43.3	43.3	43.5
14000	41.3	42.2	42.7	43.1	44.5	44.5	44.6	44.9	44.9	45.2	45.8	45.8	45.8	45.8	45.8	45.9
15000	45.6	51.2	51.7	52.3	53.6	53.6	53.8	54.4	54.4	55.3	55.9	55.9	55.9	55.9	56.1	56.2
16000	51.2	60.6	60.8	61.6	63.1	63.1	63.4	64.0	64.0	65.3	66.1	66.1	66.1	66.1	66.3	66.4
17000	57.1	68.7	69.8	70.8	72.8	72.8	73.6	74.2	74.2	75.7	76.3	76.3	76.3	76.3	76.4	76.6
18000	61.1	73.1	74.7	75.1	80.7	80.9	82.1	83.3	83.3	85.1	85.7	85.7	85.7	85.7	85.9	86.0
19000	61.7	75.3	77.4	78.9	81.5	81.6	82.8	84.0	84.0	85.9	86.5	86.5	86.5	86.5	86.9	87.1
20000	62.4	76.9	78.6	80.2	83.7	84.0	85.7	87.2	87.4	89.7	90.3	90.3	90.3	90.3	91.0	91.2
21000	64.4	77.4	79.5	81.3	84.7	85.0	86.6	88.1	88.3	90.7	91.3	91.3	91.3	91.3	92.1	92.2
22000	64.5	77.8	79.9	81.2	86.0	86.3	88.4	90.1	90.3	92.0	93.8	93.8	93.8	93.8	95.1	95.3
23000	66.0	77.8	79.9	82.2	86.3	86.8	88.8	90.6	90.7	93.5	94.2	94.2	94.2	94.2	95.6	95.7
24000	66.0	78.2	80.4	82.8	86.9	87.4	89.4	91.5	91.6	94.7	95.4	95.4	95.4	95.4	96.8	97.0
25000	66.0	78.3	80.4	82.8	86.9	87.4	89.4	91.5	91.8	94.8	95.6	95.6	95.6	95.6	97.0	97.1
26000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.6	91.9	95.0	95.7	95.7	95.7	95.7	97.1	97.3
27000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.3	96.2	96.2	96.2	96.2	97.6	97.9
28000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	97.9	98.3
29000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.0	98.3
30000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
31000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
32000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
33000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
34000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
35000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
36000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
37000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
38000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
39000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
40000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
41000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
42000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
43000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
44000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
45000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
46000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
47000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
48000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
49000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5
50000	66.0	78.3	80.4	82.8	86.9	87.4	89.5	91.8	92.1	95.4	96.4	96.4	96.4	96.4	98.2	98.5

TOTAL NUMBER OF OBSERVATIONS 628

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

CEILING VERSUS VISIBILITY

16603 STATION EMBERSHAW DAY T. DUT APT

62-49

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.P.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .58	≥ .5	≥ .516	≥ .4	≥ 0
NO CEILING	15.5	16.4	17.4	17.4	17.8	17.8	17.8	17.8	17.8	18.0	18.0	18.0	18.1	18.1	18.1	18.1
IV 20000	18.6	19.9	20.5	20.5	21.0	21.0	21.0	21.0	21.0	21.3	21.3	21.3	21.3	21.5	21.5	21.5
IV 18000	18.6	19.9	20.5	20.5	21.0	21.0	21.0	21.0	21.0	21.3	21.3	21.3	21.3	21.5	21.5	21.5
IV 16000	18.6	19.9	20.5	20.5	21.0	21.0	21.0	21.0	21.0	21.3	21.3	21.3	21.3	21.5	21.5	21.5
IV 14000	19.2	20.7	21.3	21.3	21.9	21.9	22.2	22.2	22.2	22.5	22.5	22.5	22.7	22.7	22.7	22.7
IV 12000	21.3	23.1	23.7	23.7	24.5	24.5	24.8	24.8	24.8	25.1	25.1	25.1	25.3	25.3	25.3	25.3
IV 10000	23.3	25.3	25.9	25.9	26.8	26.8	27.1	27.1	27.1	27.4	27.4	27.4	27.5	27.5	27.5	27.5
IV 9000	23.4	25.4	26.0	26.0	26.9	26.9	27.2	27.2	27.2	27.5	27.5	27.5	27.7	27.7	27.7	27.7
IV 8000	25.0	26.9	27.7	27.7	28.8	28.8	29.1	29.1	29.1	29.4	29.4	29.4	29.5	29.5	29.5	29.5
IV 7000	29.4	31.8	32.7	33.0	34.1	34.1	34.4	34.4	34.4	34.7	34.7	34.7	34.9	34.9	34.9	34.9
IV 6000	30.9	33.8	34.7	35.0	36.1	36.1	36.4	36.5	36.5	37.0	37.0	37.0	37.1	37.1	37.1	37.1
IV 5000	35.8	39.1	40.2	40.5	41.6	41.6	42.2	42.3	42.3	42.9	42.9	42.9	43.1	43.1	43.2	43.2
IV 4500	37.3	41.7	42.8	43.2	44.3	44.3	45.1	45.2	45.2	45.8	45.8	45.8	46.0	46.0	46.1	46.1
IV 4000	42.6	47.5	48.6	49.0	50.2	50.2	51.1	51.3	51.3	51.9	51.9	51.9	52.1	52.1	52.2	52.2
IV 3500	46.9	52.5	53.6	54.0	55.4	55.4	56.3	56.5	56.5	57.1	57.1	57.1	57.2	57.2	57.4	57.4
IV 3000	54.3	60.9	61.9	62.4	64.1	64.1	65.1	65.8	65.8	66.8	66.8	66.8	67.0	67.0	67.1	67.1
IV 2500	58.0	65.8	67.1	68.0	70.0	70.0	71.7	72.3	72.3	73.8	73.8	73.8	74.0	74.0	74.1	74.1
IV 2000	61.8	72.1	74.3	75.2	78.8	78.8	81.1	82.2	82.3	84.0	84.0	84.0	84.2	84.2	84.3	84.3
IV 1800	62.1	72.5	74.9	75.8	79.8	79.8	82.0	83.1	83.3	84.9	84.9	84.9	85.1	85.1	85.2	85.2
IV 1500	62.9	74.7	77.6	78.5	82.8	83.0	85.5	86.9	87.2	89.3	89.3	89.3	89.6	90.0	90.4	90.4
IV 1200	63.0	75.0	78.1	79.1	83.6	83.7	86.3	87.7	88.0	90.1	90.1	90.1	90.7	91.0	91.5	91.5
IV 1000	63.0	75.2	78.2	79.3	84.5	84.6	88.0	89.5	89.8	92.5	92.7	92.7	93.6	93.9	94.4	94.4
IV 900	63.0	75.2	78.2	79.3	84.8	84.9	88.4	90.0	90.3	93.0	93.2	93.2	93.2	94.1	94.4	94.8
IV 800	63.0	75.2	78.2	79.3	84.8	84.9	88.6	90.1	90.4	93.2	93.5	93.5	93.5	94.4	94.7	95.1
IV 700	63.0	75.2	78.2	79.3	84.9	85.1	88.7	90.3	90.6	93.3	93.6	93.6	93.6	94.5	94.8	95.3
IV 600	63.0	75.2	78.2	79.3	84.9	85.1	88.7	90.3	90.6	93.3	93.9	93.9	93.9	95.0	95.3	95.7
IV 500	63.0	75.2	78.2	79.3	84.9	85.1	88.7	90.3	90.6	93.3	93.8	94.4	94.4	95.4	95.9	96.8
IV 400	63.0	75.2	78.2	79.3	84.9	85.1	88.7	90.3	90.6	93.3	93.8	94.5	94.5	95.6	96.0	97.0
IV 300	63.0	75.2	78.2	79.3	84.9	85.1	88.7	90.3	90.7	94.1	94.8	94.8	95.9	96.3	97.6	97.7
IV 200	63.0	75.2	78.2	79.3	84.9	85.1	88.7	90.3	90.7	94.1	94.8	94.8	95.9	96.3	97.6	97.7
IV 100	63.0	75.3	78.4	79.5	85.1	85.2	88.9	90.4	90.9	94.2	95.0	95.0	96.0	96.5	97.7	98.0
IV 0	63.0	75.3	78.4	79.5	85.1	85.2	88.9	90.4	90.9	94.2	95.0	95.0	96.2	96.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS

657

DATA PROCESSING DIVISION
ETAC, USAF
ALBANY, N. Y. 12201

CEILING VERSUS VISIBILITY

164.3 STATION ENLISTED DAY 101 101 101

42-49

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	19.0	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	21.4	21.5	21.5	21.7	21.7	21.7	21.7
IV 18000	20.9	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	23.5	23.5	23.5	24.0	24.0	24.0	24.0
IV 16000	20.9	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	23.5	23.5	23.5	24.0	24.0	24.0	24.0
IV 14000	22.0	23.8	23.8	24.0	24.1	24.1	24.1	24.1	24.1	24.7	25.0	25.0	25.2	25.2	25.2	25.2
IV 12000	22.0	23.8	23.8	24.0	24.1	24.1	24.1	24.1	24.1	24.7	25.0	25.0	25.2	25.2	25.2	25.2
IV 10000	25.2	27.0	27.0	27.2	27.5	27.5	27.5	27.5	27.5	28.1	28.4	28.4	28.5	28.5	28.5	28.5
IV 9000	25.2	27.0	27.0	27.2	27.5	27.5	27.5	27.5	27.5	28.1	28.4	28.4	28.5	28.5	28.5	28.5
IV 8000	26.1	28.1	28.1	28.2	28.8	28.8	29.0	29.1	29.1	29.7	30.0	30.0	30.2	30.2	30.2	30.2
IV 7000	30.0	32.5	32.5	33.1	33.8	33.8	34.0	34.1	34.1	34.7	35.1	35.1	35.2	35.2	35.2	35.2
IV 6000	30.7	33.5	33.5	34.1	34.9	34.9	35.1	35.2	35.2	35.8	36.1	36.1	36.3	36.3	36.3	36.3
IV 5000	33.1	36.9	37.0	37.8	38.7	38.7	39.0	39.2	39.2	39.8	40.1	40.1	40.5	40.5	40.5	40.5
IV 4500	34.4	38.8	39.3	40.1	41.3	41.3	41.6	41.7	41.7	42.3	42.6	42.6	43.1	43.1	43.1	43.1
IV 4000	49.8	44.9	45.5	46.3	47.6	47.6	48.0	48.1	48.1	48.7	49.0	49.0	49.5	49.5	49.5	49.5
IV 3500	44.8	50.7	51.6	52.5	53.9	54.0	54.3	54.5	54.5	55.1	55.4	55.4	55.8	55.8	55.8	55.8
IV 3000	49.8	56.9	58.0	59.2	61.3	61.5	62.1	62.5	62.5	63.3	63.6	63.6	64.2	64.2	64.2	64.2
IV 2500	53.6	62.7	63.9	65.4	68.0	68.1	69.3	70.1	70.1	70.9	71.2	71.2	71.8	71.8	71.8	71.8
IV 2000	58.7	70.0	72.1	74.1	77.2	77.4	79.2	80.1	80.1	81.2	81.5	81.5	82.2	82.2	82.2	82.2
IV 1800	58.9	70.1	72.4	74.4	77.5	77.7	79.5	80.4	80.4	81.6	81.9	81.9	82.7	82.7	82.7	82.7
IV 1500	60.4	71.8	74.2	76.5	80.6	80.7	83.5	84.4	84.4	86.5	86.8	86.8	87.6	87.6	87.6	87.6
IV 1200	61.2	72.7	75.1	77.4	81.5	81.6	84.5	85.4	85.4	87.9	88.2	88.2	88.9	88.9	88.9	88.9
IV 1000	61.3	72.8	75.3	77.7	83.5	83.6	86.9	88.0	88.0	90.9	91.2	91.2	92.0	92.0	92.0	92.0
IV 900	61.3	72.8	75.3	77.8	84.1	84.2	87.7	88.9	88.9	92.1	92.4	92.4	93.3	93.3	93.3	93.3
IV 800	61.3	72.8	75.3	77.8	84.1	84.2	87.7	88.9	88.9	92.1	92.4	92.4	93.3	93.3	93.3	93.3
IV 700	61.3	72.8	75.3	77.8	84.2	84.4	88.0	89.4	89.7	93.3	93.6	93.6	94.5	94.5	94.5	94.5
IV 600	61.3	72.8	75.3	78.0	84.4	84.5	88.2	89.5	89.8	93.5	93.9	93.9	94.8	94.8	94.8	94.8
IV 500	61.3	72.8	75.3	78.0	84.4	84.5	88.2	89.5	89.8	93.5	93.9	93.9	94.8	94.8	94.8	94.8
IV 400	61.3	72.8	75.3	78.0	84.4	84.5	88.2	89.5	89.8	93.5	93.9	93.9	94.8	94.8	94.8	94.8
IV 300	61.3	72.8	75.3	78.0	84.4	84.5	88.2	89.5	89.8	93.5	93.9	93.9	94.8	94.8	94.8	94.8
IV 200	61.3	72.8	75.3	78.0	84.4	84.5	88.2	89.5	89.8	93.5	93.9	93.9	94.8	94.8	94.8	94.8
IV 100	61.3	72.8	75.3	78.0	84.4	84.5	88.2	89.5	89.8	93.5	93.9	93.9	94.8	94.8	94.8	94.8
IV 0	61.3	72.8	75.3	78.0	84.4	84.5	88.2	89.5	89.8	93.5	93.9	93.9	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 659

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

CEILING VERSUS VISIBILITY

10663 STATION EMBURISHER DAY MNT DUT APT

62-49

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	25.5	26.9	27.2	27.5	28.1	28.1	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.8	28.8
IV 18000	26.9	28.2	28.5	28.8	29.4	29.4	29.9	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.3	30.3
IV 16000	27.0	28.4	28.7	29.0	29.6	29.6	30.0	30.0	30.0	30.0	30.0	30.2	30.2	30.2	30.5	30.5
IV 14000	27.0	28.4	28.7	29.0	29.6	29.6	30.0	30.0	30.0	30.0	30.0	30.2	30.2	30.2	30.5	30.5
IV 12000	28.1	29.4	29.7	30.0	30.7	30.7	31.1	31.1	31.1	31.1	31.3	31.3	31.3	31.3	31.6	31.7
IV 10000	28.8	30.2	30.5	30.8	31.4	31.4	31.9	31.9	31.9	31.9	32.0	32.0	32.0	32.0	32.3	32.3
IV 9000	29.4	31.1	31.4	31.7	32.3	32.3	32.8	32.8	32.8	32.8	32.9	32.9	32.9	32.9	33.2	33.4
IV 8000	29.7	31.4	31.7	32.0	32.6	32.6	33.1	33.1	33.1	33.1	33.2	33.2	33.2	33.2	33.5	33.7
IV 7000	31.4	33.1	33.4	33.7	34.3	34.3	34.7	34.7	34.7	34.7	34.9	34.9	34.9	34.9	35.2	35.4
IV 6000	34.1	35.9	36.1	36.4	37.0	37.0	37.5	37.5	37.5	37.5	37.9	37.9	37.9	37.9	38.2	38.4
IV 5000	35.1	37.2	37.5	37.8	38.4	38.4	38.8	38.8	38.8	38.8	39.3	39.3	39.3	39.3	39.6	39.8
IV 4500	38.5	41.1	41.4	41.7	42.6	42.6	43.1	43.1	43.1	43.1	43.5	43.5	43.5	43.5	43.9	44.0
IV 4000	39.8	42.9	43.4	43.7	44.6	44.6	45.1	45.1	45.1	45.1	45.5	45.5	45.5	45.5	45.8	46.0
IV 3500	45.4	49.5	50.2	50.8	51.7	51.7	52.4	52.4	52.4	52.4	52.8	52.8	52.8	52.8	53.1	53.3
IV 3000	49.5	53.7	54.9	55.7	56.6	56.6	57.2	57.2	57.2	57.4	57.8	57.8	57.8	57.8	58.1	58.3
IV 2500	55.1	61.0	63.3	64.2	65.3	65.3	65.9	65.9	65.9	66.0	66.5	66.5	66.5	66.5	66.9	66.9
IV 2000	59.2	67.1	69.8	70.9	71.9	71.9	73.0	73.3	73.3	73.4	73.9	73.9	73.9	73.9	74.2	74.4
IV 1800	63.6	73.0	77.1	79.2	80.4	80.4	81.9	82.2	82.4	82.5	83.0	83.0	83.2	83.2	83.5	83.6
IV 1500	64.3	74.1	78.3	80.4	81.8	81.8	83.3	83.6	83.8	84.1	84.5	84.5	84.7	84.7	85.0	85.1
IV 1200	65.6	75.6	80.1	82.2	84.1	84.1	85.9	86.3	86.6	87.4	88.2	88.2	88.3	88.3	88.6	88.6
IV 1000	66.8	76.9	81.5	83.8	85.7	85.7	88.0	88.8	88.9	89.7	90.4	90.4	90.6	90.6	90.9	91.0
IV 900	66.8	77.2	81.8	84.2	87.1	87.1	89.5	90.3	90.4	91.2	92.1	92.1	92.3	92.3	92.6	92.6
IV 800	66.9	77.4	81.9	84.4	87.4	87.4	89.8	90.9	91.0	91.8	92.7	92.7	92.9	92.9	93.2	93.0
IV 700	67.5	78.0	82.5	85.0	88.2	88.2	90.9	92.1	92.3	93.2	94.1	94.1	94.2	94.2	94.5	94.0
IV 600	67.5	78.1	82.9	85.3	88.5	88.5	91.2	92.4	92.6	93.5	94.4	94.4	94.5	94.5	94.8	95.3
IV 500	67.7	78.3	83.0	85.4	88.6	88.6	91.5	92.9	93.0	94.2	95.4	95.4	95.8	95.8	96.1	96.5
IV 400	67.7	78.3	83.0	85.7	88.9	88.9	91.7	93.0	93.2	94.3	95.8	95.8	96.3	96.3	97.1	97.6
IV 300	67.7	78.3	83.0	85.7	89.1	89.1	91.8	93.2	93.3	94.7	95.9	95.9	96.7	96.7	97.3	97.7
IV 200	67.7	78.3	83.0	85.7	89.1	89.1	91.8	93.2	93.3	94.7	95.9	95.9	96.7	96.7	97.7	98.2
IV 100	67.7	78.3	83.0	85.7	89.1	89.1	91.8	93.2	93.3	94.7	95.9	95.9	96.7	96.7	97.9	98.3
IV 0	67.7	78.3	83.0	85.7	89.1	89.1	91.8	93.2	93.3	95.1	96.5	96.5	97.3	97.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 657

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

CEILING VERSUS VISIBILITY

16603 STATION EQUINOX DAY 1 DUT APT

42-40

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-2400
MONTH (L.V.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	25.3	27.4	27.5	27.7	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
≥ 20000	27.2	29.4	29.5	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 18000	27.5	29.7	29.8	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 16000	27.5	29.7	29.8	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
IV 14000	28.9	31.1	31.2	31.4	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV 12000	29.4	31.5	31.6	31.8	32.1	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 10000	30.3	32.4	32.7	33.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV 9000	30.6	32.7	33.0	33.3	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
IV 8000	32.4	34.6	34.9	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 7000	34.9	37.3	37.6	37.9	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
IV 6000	35.8	38.8	39.1	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 5000	39.9	43.2	43.5	43.8	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 4500	41.1	44.7	45.5	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 4000	44.9	50.2	51.0	51.4	51.8	51.8	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 3500	48.9	54.6	55.9	56.3	56.6	56.6	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 3000	54.0	61.0	62.2	62.6	62.9	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 2500	59.2	67.9	70.8	71.4	72.0	72.1	72.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 2000	64.5	74.0	78.5	79.3	80.1	80.4	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1800	65.0	75.2	79.9	80.8	81.6	81.9	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1500	66.8	78.4	84.2	85.2	86.3	86.6	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1200	67.0	78.8	84.6	85.7	87.2	87.5	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1000	67.0	79.1	85.1	86.1	87.8	88.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 900	67.0	79.4	85.2	86.3	88.1	88.4	89.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 800	67.1	79.5	85.4	86.5	88.3	88.6	90.0	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 700	67.1	79.5	85.4	86.5	88.3	88.6	90.1	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 600	67.1	79.5	85.4	86.5	88.3	88.6	90.1	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 500	67.1	79.5	85.5	86.6	88.4	88.9	90.6	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 400	67.1	79.5	85.5	86.6	88.4	88.9	90.6	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 300	67.1	79.5	85.5	86.6	88.4	88.9	90.6	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 200	67.1	79.5	85.5	86.6	88.4	88.9	90.6	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 100	67.1	79.5	85.5	86.6	88.4	88.9	90.6	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 0	67.1	79.5	85.5	86.6	88.4	88.9	90.6	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4

TOTAL NUMBER OF OBSERVATIONS 657

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

CEILING VERSUS VISIBILITY

16643 STATION NUMBER
FROBISHER DAY HAT PUT APT STATION NAME

42-49 YEARS

DEC 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 ≥ 20000	37.1	42.0	47.7	43.3	43.0	43.0	43.4	43.4	43.4	43.9	46.0	46.0	46.2	46.2	46.5	46.5
IV 18000	38.1	43.0	43.7	44.4	46.0	46.0	46.4	46.4	46.4	46.9	47.0	47.0	47.2	47.2	47.6	47.6
IV 16000	38.1	43.0	43.7	44.4	46.0	46.0	46.4	46.4	46.4	46.9	47.0	47.0	47.2	47.2	47.6	47.6
IV 14000	39.1	44.0	44.7	45.4	47.0	47.0	47.4	47.4	47.4	47.9	48.1	48.1	48.2	48.2	48.6	48.6
IV 12000	40.0	45.0	45.7	46.4	48.1	48.1	48.4	48.4	48.4	48.9	49.1	49.1	49.2	49.2	49.6	49.6
IV 10000	40.3	45.4	46.0	46.7	48.4	48.4	48.7	48.7	48.7	49.2	49.4	49.4	49.6	49.6	49.9	49.9
IV 9000	40.5	45.7	46.4	47.0	48.7	48.7	49.1	49.1	49.1	49.6	49.7	49.7	49.9	49.9	50.3	50.3
IV 8000	40.5	45.7	46.4	47.0	48.7	48.7	49.1	49.1	49.1	49.6	49.7	49.7	49.9	49.9	50.3	50.3
IV 7000	42.0	47.0	48.4	49.1	50.9	50.9	51.3	51.3	51.3	51.8	51.9	51.9	52.1	52.1	52.4	52.4
IV 6000	43.9	51.0	52.8	53.5	55.5	55.5	56.2	56.2	56.3	57.0	57.3	57.3	57.5	57.5	57.8	57.8
IV 5000	48.9	55.6	56.8	57.5	59.9	59.9	60.5	60.5	60.7	61.4	61.7	61.7	61.9	61.9	62.2	62.2
IV 4500	49.9	57.0	58.2	58.9	61.2	61.6	62.2	62.2	62.4	63.1	63.4	63.4	63.7	63.7	64.1	64.1
IV 4000	53.1	60.4	62.1	63.2	65.9	66.3	67.1	67.1	67.3	68.1	68.5	68.5	68.8	69.0	69.3	69.3
IV 3500	55.1	63.6	65.4	67.1	70.2	70.5	71.3	71.3	71.5	72.5	72.8	72.8	73.2	73.4	73.7	73.7
IV 3000	60.2	69.5	72.2	73.9	76.9	77.2	78.1	78.1	78.2	79.4	79.8	79.8	80.1	80.4	80.6	80.6
IV 2500	61.9	71.3	74.2	75.9	79.4	79.9	80.9	80.9	81.1	82.3	82.6	82.6	83.3	83.5	83.8	83.8
IV 2000	62.9	72.4	75.7	77.9	81.8	82.3	83.8	83.8	84.0	85.7	86.0	86.0	86.7	86.8	87.2	87.2
IV 1800	63.4	73.4	76.2	78.4	82.6	83.1	84.7	84.7	84.8	86.5	86.8	86.8	87.5	87.7	88.0	88.0
IV 1500	64.1	74.7	77.7	79.9	84.5	85.3	87.2	87.7	87.9	89.5	89.9	89.9	90.6	90.7	91.1	91.1
IV 1200	64.6	75.2	78.2	80.4	85.0	85.8	87.7	88.2	88.4	90.1	90.4	90.4	91.1	91.2	91.6	91.6
IV 1000	64.8	75.4	78.4	80.6	85.2	86.0	87.9	88.5	88.9	91.1	91.6	91.6	92.4	92.7	93.1	93.1
IV 900	64.8	75.4	78.4	80.6	85.2	86.0	87.9	88.5	88.9	91.1	91.6	91.6	92.4	92.7	93.1	93.1
IV 800	64.8	75.7	78.8	80.9	85.5	86.3	88.2	88.9	89.2	91.6	92.2	92.2	93.3	93.6	94.1	94.1
IV 700	64.8	75.7	78.8	80.9	85.5	86.3	88.2	88.9	89.2	91.6	92.2	92.2	93.3	93.6	94.1	94.1
IV 600	64.8	75.7	78.8	80.9	85.5	86.3	88.2	88.9	89.2	91.6	92.2	92.2	93.3	93.6	94.1	94.1
IV 500	64.8	75.7	78.8	80.9	85.5	86.3	88.2	88.9	89.2	91.6	92.2	92.2	93.3	93.6	94.1	94.1
IV 400	64.8	75.7	78.8	81.1	85.7	86.5	88.4	89.0	89.4	92.1	92.9	92.9	93.9	94.3	94.9	94.9
IV 300	64.8	75.7	78.8	81.1	85.7	86.5	88.4	89.2	89.5	92.2	93.1	93.1	94.1	94.4	95.3	95.6
IV 200	64.8	75.7	78.8	81.1	85.7	86.5	88.4	89.2	89.5	92.2	93.1	93.1	94.1	94.4	95.3	95.6
IV 100	64.8	75.7	78.8	81.1	85.7	86.5	88.4	89.2	89.5	92.2	93.1	93.1	94.1	94.4	95.3	95.6
IV 0	64.8	75.7	78.8	81.1	85.7	86.5	88.4	89.4	89.7	92.4	93.3	93.3	94.4	94.8	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 593

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

CEILING VERSUS VISIBILITY

16603 STATION EMMISHER MAY NWT OUT APT

42-45-47-49

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0300
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	34.6 40.2	42.3 42.8	42.8 43.4	43.7 44.2	45.7 46.2	45.7 46.2	46.4 46.9	46.5 47.1	46.5 47.1	46.9 47.4	46.9 47.4	46.9 47.4	46.9 47.4	46.9 47.4	46.9 47.4	46.9 47.4
IV 18000 16000	40.2 40.2	42.8 42.8	43.4 43.4	44.2 44.2	46.2 46.2	46.2 46.9	46.9 47.1	47.1 47.1	47.1 47.1	47.4 47.4	47.4 47.4	47.4 47.4	47.4 47.4	47.4 47.4	47.4 47.4	47.4 47.4
IV 14000 12000	40.9 41.6	43.3 44.2	44.1 44.8	45.0 45.7	46.9 47.6	46.9 47.6	47.6 48.3	47.8 48.5	47.8 48.5	48.1 48.8	48.1 48.8	48.1 48.8	48.1 48.8	48.1 48.8	48.1 48.8	48.1 48.8
IV 10000 9000	42.8 43.4	45.7 46.6	46.2 46.9	47.1 47.8	49.0 49.7	49.0 49.7	49.7 50.4	49.9 50.6	49.9 50.6	50.3 51.0	50.3 51.0	50.3 51.0	50.3 51.0	50.3 51.0	50.3 51.0	50.3 51.0
IV 8000 7000	43.9 45.0	47.1 48.3	47.6 49.2	48.5 50.1	50.4 52.0	50.4 52.0	51.2 52.7	51.3 52.9	51.3 52.9	51.7 53.3	51.7 53.3	51.7 53.3	51.7 53.6	51.7 53.6	51.7 53.6	51.7 53.6
IV 6000 5000	47.1 49.7	51.2 53.6	52.4 57.2	53.5 58.4	55.4 60.9	55.4 61.1	56.1 62.3	56.3 62.5	56.5 62.7	56.8 63.0	56.8 63.0	56.8 63.0	57.2 63.4	57.2 63.4	57.3 63.9	57.3 63.9
IV 4500 4000	50.6 52.4	56.3 58.8	58.2 61.2	59.3 62.5	61.9 65.0	62.3 65.3	63.3 66.9	63.7 67.1	63.9 67.3	64.2 67.6	64.2 67.8	64.4 68.1	64.8 68.5	64.8 68.5	65.3 69.0	65.3 69.0
IV 3500 3000	55.0 58.6	62.8 68.0	65.5 70.8	66.9 72.6	69.4 73.2	69.7 75.6	71.3 77.2	71.5 77.9	71.7 78.1	72.0 79.1	72.2 79.1	72.6 79.3	72.9 79.8	72.9 80.4	73.5 80.4	73.5 80.4
IV 2500 2000	60.2 62.3	70.4 73.1	73.6 76.6	75.8 79.3	78.4 82.1	78.8 82.5	80.4 84.4	81.2 85.3	81.4 85.3	82.5 86.9	82.7 87.1	83.0 87.4	83.4 87.8	83.4 87.8	83.9 88.3	83.9 88.3
IV 1800 1500	62.3 63.2	74.1 74.2	76.6 77.7	79.3 80.9	82.3 84.1	82.7 84.6	84.6 86.7	85.5 87.6	85.7 87.8	87.1 89.6	87.3 90.1	87.6 90.1	88.0 90.4	88.0 90.6	88.5 91.5	88.5 91.5
IV 1200 1000	64.2 64.2	75.2 75.2	78.9 79.1	82.1 82.5	85.5 86.0	86.5 86.5	88.1 88.8	89.0 89.9	89.2 90.1	91.2 92.2	91.7 92.3	92.0 93.6	92.4 94.2	92.4 94.2	93.1 94.9	93.1 94.9
IV 900 800	64.2 64.2	75.2 75.2	79.1 79.1	82.5 82.5	86.0 86.2	86.5 86.7	88.8 89.0	89.9 90.1	90.1 90.3	92.2 92.4	93.3 93.5	93.6 93.8	94.2 94.7	94.2 94.7	94.9 95.4	94.9 95.6
IV 700 600	64.2 64.2	75.6 75.6	79.5 79.5	82.8 83.0	86.5 86.7	87.1 87.3	89.4 89.6	90.4 90.6	90.6 90.8	92.7 92.9	93.8 94.0	94.2 94.3	95.0 95.2	95.0 95.2	95.4 95.9	95.4 96.1
IV 500 400	64.2 64.2	75.6 75.6	79.5 79.5	83.0 83.0	86.7 86.7	87.3 87.3	89.6 89.6	90.6 90.6	90.8 90.8	92.9 92.9	94.0 94.2	94.3 94.5	95.2 95.4	95.2 95.4	96.1 96.1	96.1 96.3
IV 300 200	64.2 64.2	75.6 75.6	79.5 79.5	83.0 83.0	86.7 86.7	87.3 87.3	89.6 89.6	90.6 90.6	90.8 90.8	92.9 92.9	94.2 94.2	94.5 94.5	95.4 95.6	95.4 95.6	96.1 96.6	96.3 96.8
IV 100 0	64.2 64.2	75.6 75.6	79.5 79.5	83.0 83.0	86.7 86.7	87.3 87.3	89.6 89.6	90.6 90.6	90.8 90.8	92.9 93.1	94.2 94.3	94.5 94.7	95.6 96.1	95.6 96.1	96.6 97.2	96.8 100.0

TOTAL NUMBER OF OBSERVATIONS

305

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

CEILING VERSUS VISIBILITY

STATION 16663 ENGLISHMAN WAVE NAT LIT APT

42-44

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0000
CITY (L.S.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 3/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000	37.5	39.4	40.2	40.4	40.8	41.0	41.5	41.8	41.8	42.4	42.4	42.4	42.7	42.7	42.7	42.9
IV 18000	38.0	39.9	40.7	40.8	41.3	41.5	41.9	42.3	42.3	42.9	42.9	42.9	43.2	43.2	43.2	43.4
IV 16000	38.1	40.0	40.8	41.0	41.5	41.6	42.1	42.4	42.4	43.1	43.1	43.1	43.4	43.4	43.4	43.9
IV 14000	38.4	40.4	41.1	41.3	41.8	41.9	42.6	42.7	42.7	43.4	43.4	43.4	43.7	43.7	43.7	44.0
IV 12000	38.6	40.5	41.3	41.5	41.9	42.1	42.6	42.9	42.9	43.5	43.5	43.5	43.9	43.9	43.9	44.0
IV 10000	40.4	42.3	43.1	43.2	43.7	43.9	44.3	44.7	44.7	45.3	45.3	45.3	45.6	45.6	45.6	45.8
IV 9000	41.1	43.5	44.3	44.5	45.0	45.1	45.4	45.9	45.9	46.6	46.6	46.6	46.9	46.9	46.9	47.0
IV 8000	41.6	44.2	45.0	45.1	45.6	45.8	46.3	46.6	46.6	47.2	47.2	47.2	47.5	47.5	47.5	47.7
IV 7000	42.7	45.3	46.1	46.3	46.7	46.9	47.4	47.7	47.7	48.3	48.3	48.3	48.6	48.6	48.6	48.8
IV 6000	45.8	49.0	50.1	50.4	51.0	51.2	51.7	52.0	52.0	52.6	52.6	52.6	53.0	53.0	53.0	53.1
IV 5000	47.4	50.6	51.8	52.3	53.0	53.1	53.7	54.1	54.1	54.7	54.7	54.7	55.0	55.0	55.0	55.2
IV 4500	50.1	54.1	55.8	56.3	56.9	57.1	57.7	58.1	58.1	58.7	58.7	58.7	59.0	59.0	59.0	59.2
IV 4000	51.2	55.8	57.7	58.2	58.9	59.0	60.0	60.3	60.3	60.9	60.9	60.9	61.2	61.2	61.2	61.4
IV 3500	54.9	60.9	63.2	63.8	64.8	64.9	66.0	66.3	66.3	67.0	67.0	67.0	67.3	67.3	67.3	67.6
IV 3000	57.1	63.6	65.9	66.5	67.6	67.9	69.1	69.4	69.4	70.0	70.0	70.0	70.3	70.3	70.3	70.8
IV 2500	61.1	68.6	71.5	72.2	73.4	73.7	75.0	75.6	75.6	76.4	76.4	76.4	76.7	76.7	76.7	77.4
IV 2000	63.6	72.4	75.9	77.0	78.6	78.9	80.2	80.9	80.9	81.7	81.7	81.7	82.0	82.0	82.0	82.6
IV 1800	66.0	75.1	79.4	80.9	83.3	83.6	85.2	85.8	85.8	87.1	87.1	87.1	87.7	87.7	87.7	88.4
IV 1500	66.2	75.3	79.6	81.3	83.9	84.2	85.8	86.6	86.6	87.9	87.9	87.9	88.5	88.5	88.5	89.2
IV 1200	66.7	76.4	80.7	82.9	85.8	86.1	87.9	88.7	88.7	90.0	90.4	90.4	91.1	91.1	91.1	91.7
IV 1000	67.3	77.2	81.7	84.1	86.9	87.2	89.0	90.1	90.1	91.7	92.2	92.2	93.0	93.0	93.0	93.6
IV 900	67.3	77.5	82.0	84.4	87.4	87.7	89.5	90.6	90.6	92.3	93.1	93.1	94.4	94.4	94.4	95.1
IV 800	67.3	77.8	82.3	84.7	87.7	88.0	89.8	90.9	91.1	93.0	93.8	93.8	95.1	95.1	95.1	95.9
IV 700	67.3	77.8	82.3	84.7	87.7	88.0	89.8	90.9	91.1	93.0	93.8	93.8	95.1	95.1	95.1	95.9
IV 600	67.3	78.0	82.5	84.8	87.9	88.2	90.1	91.2	91.4	93.5	94.4	94.4	95.9	95.9	95.9	96.8
IV 500	67.3	78.0	82.5	84.8	87.9	88.2	90.1	91.2	91.4	93.5	94.4	94.4	95.9	95.9	95.9	96.8
IV 400	67.3	78.0	82.5	84.8	87.9	88.2	90.1	91.2	91.4	93.5	94.4	94.4	95.9	95.9	95.9	96.8
IV 300	67.3	78.0	82.5	84.8	87.9	88.2	90.1	91.2	91.4	93.5	94.4	94.4	95.9	95.9	95.9	96.8
IV 200	67.3	78.0	82.5	84.8	87.9	88.2	90.1	91.2	91.4	93.5	94.4	94.4	95.9	95.9	95.9	96.8
IV 100	67.3	78.0	82.5	84.8	87.9	88.2	90.1	91.2	91.4	93.5	94.4	94.4	95.9	95.9	95.9	96.8
IV 0	67.3	78.0	82.5	84.8	87.9	88.4	90.3	91.4	91.5	92.9	94.9	94.9	96.3	96.3	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 627

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

CEILING VERSUS VISIBILITY

166.3 STATION FREDERICK HAY M T APT

42-49

YEARS

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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.0	29.6	29.6	29.8	29.8	29.8	30.2	30.2	30.2	31.0	31.0	31.0	31.6	31.6	31.6	32.1
IV 20000	31.2	33.1	33.1	33.4	33.4	33.4	33.9	33.9	33.9	34.7	34.7	34.7	35.3	35.3	35.3	35.7
IV 18000	31.5	33.4	33.4	33.7	33.7	33.7	34.2	34.2	34.2	35.0	35.0	35.0	35.6	35.6	35.6	36.0
IV 16000	31.9	33.9	33.9	34.2	34.2	34.2	34.7	34.7	34.7	35.4	35.4	35.4	36.0	36.0	36.0	36.5
IV 14000	33.1	35.3	35.4	35.7	35.7	35.7	36.2	36.2	36.2	36.9	36.9	36.9	37.5	37.5	37.5	38.0
IV 12000	35.6	37.8	38.0	38.3	38.3	38.3	38.8	38.8	38.8	39.5	39.5	39.5	40.1	40.1	40.1	40.6
IV 10000	36.6	39.8	40.0	40.3	40.3	40.3	40.7	40.7	40.7	41.5	41.5	41.5	42.1	42.1	42.1	42.6
IV 9000	37.1	40.4	40.6	40.9	40.9	40.9	41.3	41.3	41.3	42.1	42.1	42.1	42.7	42.7	42.7	43.2
IV 8000	38.8	42.1	42.6	42.9	42.9	42.9	43.3	43.3	43.3	44.1	44.1	44.1	44.7	44.7	44.7	45.1
IV 7000	43.6	47.7	48.8	49.2	49.4	49.4	49.8	49.8	49.8	50.6	50.6	50.6	51.2	51.2	51.2	51.7
IV 6000	46.0	51.3	52.7	53.3	53.5	53.6	54.1	54.1	54.1	54.9	54.9	54.9	55.5	55.5	55.5	56.2
IV 5000	48.6	54.9	56.4	57.1	57.3	57.4	58.2	58.2	58.2	59.0	59.0	59.0	59.6	59.6	59.6	60.3
IV 4500	50.5	57.6	59.3	60.0	60.2	60.3	61.2	61.2	61.2	62.0	62.0	62.0	62.6	62.6	62.6	63.4
IV 4000	52.7	60.8	62.8	63.5	63.8	64.0	65.0	65.0	65.0	66.1	66.1	66.1	66.7	66.7	66.7	67.3
IV 3500	54.6	63.4	65.3	66.3	66.9	67.0	68.2	68.4	68.4	69.6	69.6	69.6	70.2	70.2	70.4	71.1
IV 3000	58.5	68.4	70.8	71.7	72.6	72.9	74.3	74.5	74.5	75.7	75.7	75.7	76.3	76.3	76.6	77.3
IV 2500	61.2	72.3	75.4	76.4	77.8	78.0	79.5	79.8	79.8	81.0	81.0	81.0	81.6	81.6	81.9	83.0
IV 2000	63.8	76.0	80.1	81.5	83.4	83.7	85.4	86.0	86.0	87.2	87.2	87.2	87.8	87.8	88.1	89.4
IV 1800	64.6	76.7	80.9	82.2	84.3	84.7	86.3	86.9	86.9	88.1	88.1	88.1	88.9	88.9	89.2	90.4
IV 1500	65.3	77.7	82.5	84.2	86.6	86.9	88.8	89.4	89.4	91.0	91.0	91.0	91.9	91.9	92.2	93.5
IV 1200	65.7	78.1	83.0	84.7	87.2	87.5	89.4	90.0	90.0	91.6	91.6	91.6	92.6	92.6	92.9	94.1
IV 1000	65.7	78.6	83.6	85.3	88.0	88.3	90.1	90.9	90.9	93.2	93.9	93.9	94.8	94.8	95.1	96.4
IV 900	65.7	78.6	83.6	85.3	88.0	88.3	90.1	90.9	90.9	93.2	93.9	93.9	94.8	94.8	95.1	96.4
IV 800	65.7	78.7	83.7	85.4	88.1	88.4	90.3	91.0	91.0	93.5	94.2	94.2	95.1	95.1	95.4	96.7
IV 700	65.7	78.7	83.7	85.4	88.1	88.4	90.3	91.0	91.0	93.5	94.2	94.2	95.1	95.1	95.4	96.7
IV 600	65.7	78.7	83.7	85.4	88.1	88.4	90.3	91.0	91.0	93.5	94.2	94.2	95.1	95.1	95.4	96.7
IV 500	65.7	78.7	83.7	85.4	88.1	88.4	90.3	91.0	91.0	93.5	94.2	94.2	95.1	95.1	95.4	96.7
IV 400	65.7	78.7	83.7	85.4	88.1	88.4	90.3	91.0	91.0	93.5	94.2	94.2	95.1	95.1	95.4	96.7
IV 300	65.7	78.7	83.7	85.4	88.1	88.4	90.3	91.0	91.0	93.5	94.2	94.2	95.1	95.1	95.4	96.7
IV 200	65.7	78.7	83.7	85.4	88.1	88.4	90.3	91.0	91.0	93.5	94.2	94.2	95.1	95.1	95.4	96.7
IV 100	65.7	78.7	83.7	85.4	88.1	88.4	90.3	91.0	91.0	93.5	94.2	94.2	95.1	95.1	95.4	96.7
IV 0	65.7	78.7	83.7	85.4	88.1	88.4	90.3	91.0	91.0	93.5	94.2	94.2	95.1	95.1	95.4	96.7

TOTAL NUMBER OF OBSERVATIONS 628

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

CEILING VERSUS VISIBILITY

16603
STATION

EXHIBITS WAY INT LIT APT
STATION NAME

42-49
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1260-1400
MOYR (L.F.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	24.3	29.2	29.8	30.1	31.9	31.1	31.5	31.5	31.5	32.0	32.1	32.1	32.7	32.7	32.7	32.9
≥ 18000	32.1	33.2	33.9	34.2	35.0	35.2	35.6	35.6	35.6	36.1	36.2	36.2	36.8	36.8	36.8	37.0
≥ 16000	32.1	33.2	33.9	34.2	35.0	35.2	35.6	35.6	35.6	36.1	36.2	36.2	36.8	36.8	36.8	37.0
≥ 14000	33.8	35.0	35.8	36.1	36.8	37.0	37.4	37.4	37.4	37.9	38.1	38.1	38.7	38.7	38.7	38.8
≥ 12000	36.4	37.7	38.5	38.8	39.6	39.7	40.2	40.2	40.2	40.6	40.8	40.8	41.4	41.4	41.4	41.6
≥ 10000	37.7	39.7	40.5	40.9	41.7	41.9	42.3	42.3	42.3	42.8	42.9	42.9	43.5	43.5	43.5	43.7
≥ 9000	38.4	40.3	41.1	41.6	42.3	42.5	42.9	42.9	42.9	43.6	43.5	43.5	44.1	44.1	44.1	44.3
≥ 8000	39.7	42.0	42.8	43.2	44.0	44.1	44.6	44.6	44.6	45.1	45.2	45.2	45.8	45.8	45.8	46.0
≥ 7000	42.9	46.1	47.3	47.8	48.7	48.9	49.3	49.5	49.5	49.9	50.1	50.1	50.7	50.7	50.7	50.8
≥ 6000	45.2	49.3	50.7	51.1	52.2	52.4	52.8	53.0	53.0	53.6	53.7	53.7	54.3	54.3	54.3	54.5
≥ 5000	47.8	52.0	54.6	55.1	56.3	56.5	56.9	57.1	57.1	58.0	58.1	58.1	58.8	58.8	58.8	59.2
≥ 4500	49.5	54.6	56.9	57.5	58.8	58.9	59.4	59.5	59.5	60.4	60.6	60.6	61.2	61.2	61.3	61.8
≥ 4000	52.7	59.8	62.4	63.9	65.4	65.6	66.1	66.4	66.4	67.4	67.6	67.6	68.2	68.2	68.3	68.8
≥ 3500	55.9	63.8	66.7	68.3	70.5	70.9	71.4	71.7	71.7	72.8	72.9	72.9	73.5	73.5	73.7	74.1
≥ 3000	61.6	69.7	73.1	74.9	77.0	77.5	78.5	78.5	78.8	79.9	80.1	80.1	80.7	80.7	80.8	81.7
≥ 2500	62.7	71.7	75.5	77.5	80.2	80.7	81.9	82.3	82.3	83.6	83.7	83.7	84.3	84.3	84.4	85.5
≥ 2000	63.9	73.2	77.9	80.1	83.4	83.9	85.1	85.7	85.7	87.2	87.4	87.4	88.1	88.1	88.4	89.5
≥ 1800	67.9	73.2	77.9	80.2	83.6	84.0	85.4	86.0	86.0	87.5	87.7	87.7	88.4	88.4	88.7	89.8
≥ 1500	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	90.9	91.0	91.0	91.8	91.8	92.1	93.2
≥ 1200	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
≥ 1000	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
≥ 900	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
≥ 800	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
≥ 700	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
≥ 600	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
≥ 500	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
≥ 400	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
≥ 300	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
≥ 200	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
≥ 100	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3
0	64.5	74.0	78.8	81.3	84.8	85.2	87.2	88.1	88.3	91.0	91.2	91.2	91.9	91.9	92.2	93.3

TOTAL NUMBER OF OBSERVATIONS 657

USAF ETAC

FORM
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

CEILING VERSUS VISIBILITY

16603 STATION EXHIBITS PER DAY NOT PUT APT

42-69

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-1700
HOURS (CITY)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.1	37.7	37.9	38.0	38.9	38.9	39.2	39.5	39.8	40.6	40.9	40.9	41.4	41.4	41.4	41.4
≥ 20000	36.6	39.4	39.5	39.7	40.6	40.6	40.9	41.2	41.5	42.4	42.5	42.5	43.1	43.1	43.1	43.1
IVV 18000	36.6	39.4	39.5	39.7	40.6	40.6	40.9	41.2	41.5	42.4	42.5	42.5	43.1	43.1	43.1	43.1
IVV 16000	36.6	39.4	39.5	39.7	40.6	40.6	40.9	41.2	41.5	42.4	42.5	42.5	43.1	43.1	43.1	43.1
IVV 14000	37.3	40.2	40.3	40.5	41.4	41.4	41.7	42.0	42.3	43.2	43.4	43.4	43.8	43.8	43.8	43.8
IVV 12000	39.2	42.1	42.3	42.4	43.4	43.4	43.7	44.0	44.3	45.2	45.3	45.3	45.8	45.8	45.8	45.8
IVV 10000	39.5	42.9	43.1	43.2	44.1	44.1	44.4	44.7	45.0	46.0	46.1	46.1	46.6	46.6	46.6	46.6
IVV 9000	39.5	42.9	43.1	43.2	44.1	44.1	44.4	44.7	45.0	46.0	46.1	46.1	46.6	46.6	46.6	46.6
IVV 8000	40.6	44.0	44.1	44.4	45.3	45.3	45.6	46.0	46.3	47.2	47.3	47.3	47.8	47.8	47.8	47.8
IVV 7000	43.1	46.7	47.2	47.5	48.4	48.4	48.9	49.2	49.6	50.5	50.7	50.7	51.1	51.1	51.1	51.1
IVV 6000	44.6	49.0	50.1	50.4	51.3	51.3	51.8	52.2	52.5	53.4	53.6	53.6	54.0	54.0	54.0	54.0
IVV 5000	47.0	52.2	52.7	53.0	53.9	53.9	54.4	54.8	55.1	56.0	56.2	56.2	56.6	56.6	56.6	56.8
IVV 4500	47.8	53.1	53.6	53.9	55.1	55.1	55.6	56.0	56.3	57.3	57.4	57.4	57.9	57.9	57.9	58.0
IVV 4000	51.3	58.2	59.1	59.5	61.1	61.1	61.7	62.4	62.7	63.7	63.8	63.8	64.3	64.3	64.4	64.6
IVV 3500	53.4	61.2	62.7	63.4	64.9	64.9	65.5	66.3	66.6	67.5	67.6	67.6	68.1	68.1	68.2	68.4
IVV 3000	57.7	66.7	68.9	69.5	71.6	71.6	72.4	73.3	73.6	74.8	75.0	75.0	75.4	75.4	75.6	75.7
IVV 2500	59.4	69.0	72.2	73.1	75.9	75.9	77.3	78.5	78.8	80.5	80.6	80.6	81.1	81.1	81.2	81.4
IVV 2000	61.4	71.4	75.4	76.8	80.2	80.2	82.3	84.1	84.4	86.3	86.6	86.6	87.0	87.0	87.2	87.3
IVV 1800	61.5	72.2	75.9	77.3	80.6	80.6	82.7	84.6	84.9	86.7	87.0	87.0	87.5	87.5	87.6	87.8
IVV 1500	61.5	72.4	76.8	78.3	82.1	82.4	85.0	86.9	87.3	90.1	90.4	90.4	90.8	90.8	91.0	91.1
IVV 1200	61.5	72.5	76.9	78.5	82.4	82.7	85.3	87.3	87.8	90.8	91.1	91.1	91.6	91.6	91.9	92.1
IVV 1000	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.2	88.9	92.5	93.0	93.0	93.9	93.9	94.5	95.1
IVV 900	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.2	88.9	92.7	93.1	93.1	94.0	94.0	94.7	95.4
IVV 800	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.2	88.9	92.7	93.1	93.1	94.0	94.0	94.7	95.4
IVV 700	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.4	89.0	93.0	93.4	93.4	94.4	94.4	95.0	95.9
IVV 600	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.5	89.2	93.6	94.0	94.0	95.0	95.0	95.6	96.5
IVV 500	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.5	89.2	93.6	94.0	94.0	95.0	95.0	95.7	96.6
IVV 400	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.5	89.2	93.7	94.2	94.2	95.3	95.3	96.0	96.9
IVV 300	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.5	89.2	93.7	94.2	94.2	95.3	95.3	96.0	96.9
IVV 200	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.5	89.2	93.7	94.2	94.2	95.3	95.3	96.0	96.9
IVV 100	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.5	89.2	93.7	94.2	94.2	95.3	95.3	96.0	96.9
IVV 0	61.5	72.5	76.9	78.5	82.6	83.4	86.1	88.5	89.2	93.7	94.2	94.2	95.3	95.3	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 655

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

CEILING VERSUS VISIBILITY

160.3 STATION EQUILIBRIUM DAY 01 01 APT

42-69

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.9	39.1	39.7	40.3	41.8	41.6	43.0	43.2	43.2	44.4	44.0	44.0	44.9	44.9	44.9	44.9
≥ 2000	37.2	39.4	40.2	41.2	42.4	42.4	43.7	43.8	43.8	45.1	45.2	45.2	45.5	45.5	45.5	45.5
IV 18000	37.4	39.6	40.4	41.3	42.6	42.6	43.8	44.0	44.0	45.2	45.4	45.4	45.7	45.7	45.7	45.7
IV 16000	37.4	39.6	40.4	41.3	42.6	42.6	43.8	44.0	44.0	45.2	45.4	45.4	45.7	45.7	45.7	45.7
IV 14000	38.2	40.4	41.2	42.1	43.3	43.3	44.6	44.8	44.8	46.0	46.2	46.2	46.5	46.5	46.5	46.5
IV 12000	39.6	41.8	42.6	43.5	44.8	44.8	46.0	46.2	46.2	47.4	47.6	47.6	47.9	47.9	47.9	47.9
IV 10000	40.8	43.2	44.0	44.9	46.2	46.2	47.4	47.6	47.6	48.8	49.0	49.0	49.3	49.3	49.3	49.3
IV 9000	40.8	43.2	44.0	44.9	46.2	46.2	47.4	47.6	47.6	48.8	49.0	49.0	49.3	49.3	49.3	49.3
IV 8000	41.3	43.7	44.4	45.7	46.9	46.9	48.4	48.5	48.5	49.8	50.1	50.1	50.4	50.4	50.4	50.4
IV 7000	43.3	45.9	46.9	47.9	49.1	49.1	50.5	50.7	50.7	52.0	52.3	52.3	52.6	52.6	52.6	52.6
IV 6000	44.9	48.7	50.1	51.0	52.3	52.3	53.7	53.8	53.8	55.1	55.6	55.6	55.9	55.9	55.9	55.9
IV 5000	48.4	52.6	54.0	54.9	56.2	56.2	57.6	57.7	57.7	59.0	59.5	59.5	59.8	59.8	59.8	59.8
IV 4500	49.0	54.0	55.6	57.0	58.4	58.4	59.8	59.9	59.9	61.2	61.7	61.7	62.0	62.0	62.0	62.0
IV 4000	52.4	58.1	59.9	61.3	62.9	62.9	64.5	64.8	64.8	66.2	66.7	66.7	67.0	67.0	67.0	67.0
IV 3500	54.0	60.3	62.8	64.2	66.0	66.0	67.6	67.9	67.9	69.8	70.3	70.3	70.6	70.6	70.6	70.6
IV 3000	56.0	64.0	66.8	68.9	71.0	71.0	72.9	73.2	73.2	75.1	75.6	75.6	75.9	75.9	75.9	75.9
IV 2500	59.2	67.1	70.1	72.3	74.6	75.1	77.2	77.5	77.5	79.8	80.3	80.3	80.6	80.6	80.6	80.6
IV 2000	61.3	69.8	73.2	76.2	78.9	79.3	82.6	83.1	83.1	85.4	86.1	86.1	86.7	86.7	86.7	86.7
IV 1800	62.6	71.0	74.8	77.8	80.4	80.9	84.2	84.7	84.8	87.0	87.6	87.6	88.3	88.3	88.3	88.3
IV 1500	63.1	71.8	75.9	78.9	82.2	82.6	86.4	87.2	87.2	90.1	90.9	90.9	91.7	91.7	91.7	91.7
IV 1200	63.1	71.8	75.9	78.9	82.2	82.6	86.4	87.2	87.2	90.1	90.9	90.9	91.7	91.7	91.7	91.7
IV 1000	63.2	72.1	76.2	79.3	82.9	83.4	87.2	87.9	88.3	91.1	92.0	92.0	93.3	93.4	93.7	93.7
IV 900	63.2	72.3	76.4	79.5	83.1	83.6	87.3	88.1	88.4	91.2	92.2	92.2	93.4	93.6	93.9	93.9
IV 800	63.2	72.5	76.5	79.7	83.3	83.7	87.5	88.3	88.6	91.7	92.6	92.6	94.1	94.2	94.7	94.8
IV 700	63.2	72.5	76.5	79.7	83.3	83.7	87.5	88.3	88.6	91.7	92.6	92.6	94.1	94.2	94.7	94.8
IV 600	63.2	72.5	76.5	79.7	83.3	83.7	87.5	88.3	88.6	92.2	93.1	93.1	94.5	94.7	95.1	95.2
IV 500	63.2	72.5	76.5	79.7	83.3	83.7	87.5	88.3	88.6	92.3	93.3	93.3	94.7	94.8	95.6	95.8
IV 400	63.2	72.5	76.5	79.7	83.3	83.7	87.5	88.3	88.6	92.3	93.3	93.3	94.7	94.8	95.8	95.9
IV 300	63.2	72.5	76.5	79.7	83.3	83.7	87.5	88.3	88.6	92.3	93.3	93.3	94.7	94.8	95.8	95.9
IV 200	63.2	72.5	76.5	79.7	83.3	83.7	87.5	88.3	88.6	92.3	93.3	93.3	94.7	94.8	95.8	95.9
IV 100	63.2	72.5	76.5	79.7	83.3	83.7	87.5	88.3	88.6	92.3	93.6	93.6	95.0	95.3	96.2	96.4
IV 0	63.2	72.5	76.5	79.7	83.3	83.7	87.5	88.3	88.6	92.3	93.6	93.6	95.3	95.6	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 639

2

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

CEILING VERSUS VISIBILITY

16601 EXETER BAY MILITARY APT

42-47

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)2100-2100
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.1	41.1	42.2	42.4	43.4	43.4	44.7	44.7	44.7	45.2	45.7	45.7	46.2	46.2	46.9	47.0
IV 20000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 18000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 16000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 14000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 12000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 10000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 9000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 8000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 7000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 6000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 5000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 4500	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 4000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 3500	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 3000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 2500	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 2000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 1800	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 1500	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 1200	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 1000	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 900	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 800	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 700	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 600	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 500	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 400	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 300	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 200	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 100	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7
IV 0	48.6	41.7	42.9	43.0	44.0	44.0	45.4	45.4	45.4	45.9	46.4	46.4	46.9	47.2	47.5	47.7

TOTAL NUMBER OF OBSERVATIONS

606

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

PART D

SKY COVER

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

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

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

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

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

DATA PROCESSING DIVISION
JAN 2 1968
MEMPHIS, TENN.

SKY COVER

1900 **1899** **1898** **1897**

49-51

4

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	411	57.6	3.5	5.1	3.8	3.5	1.7	0.7	2.1	4.7	2.9	39.8	4.0	2564
FEB		45.2	3.4	2.1	5.5	7.8	2.3	3.0	3.2	3.5	1.0	34.1	4.0	2470
MAR		40.7	4.1	4.2	3.2	4.6	3.3	2.4	3.4	5.0	2.4	35.6	5.3	1967
APR		21.1	5.2	5.3	4.6	4.5	2.3	4.1	4.7	5.7	4.1	35.6	5.1	2083
MAY		14.0	2.9	3.3	3.1	3.4	2.0	2.7	4.0	6.3	5.2	52.3	7.1	3118
JUN		3.0	5.5	4.6	4.9	4.4	2.7	3.6	3.8	7.4	6.2	47.4	7.0	3118
JUL		9.1	4.5	5.1	3.4	4.3	2.3	4.1	5.5	5.2	6.7	42.5	6.2	3220
AUG		3.0	2.6	3.2	4.9	4.5	3.1	3.3	5.4	10.2	3.4	49.9	7.3	3272
SEPT		4.2	1.3	2.5	2.3	4.3	1.0	3.6	4.7	7.2	5.5	62.4	6.3	2579
OCT		4.3	1.1	2.5	2.7	3.0	2.1	3.1	3.3	5.5	4.4	67.6	6.0	2576
NOV		11.3	2.5	1.6	3.1	3.1	1.7	3.5	2.9	3.4	4.2	58.5	7.0	2374
DEC		25.2	4.0	3.7	4.0	5.2	3.5	2.5	3.3	6.0	4.0	37.3	5.0	2050
TOTALS		15.1	2.4	4.1	4.1	4.0	2.4	3.3	4.0	6.5	4.2	47.3	6.5	32336

DATA PROCESSING DIVISION
 WFAA, SAN
 ANTONIO, TEXAS 78201

SKY COVER

166-1 F. B. I. - U. S. AIR FORCE APT

65-30

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
00-02	00-02	51.1	1.3	3.3	2.6	2.6	1.7	2.6	1.6	3.3	1.3	30.0	3.9	307
03-05	03-05	43.4	1.7	2.9	1.7	3.0	2.6	3.6	1.7	5.0		31.1	4.0	332
06-08	06-08	37.1	.5	5.1	5.4	2.2	2.2	1.6	1.0	4.0	2.7	35.6	5.0	309
09-11	09-11	24.1	5.7	6.0	4.5	3.7	2.0	3.5	4.5	6.5	4.0	35.7	5.5	403
12-14	12-14	23.1	7.4	6.2	5.7	3.0	2.5	4.0	3.5	4.7	4.7	42.3	5.2	403
15-17	15-17	25.0	6.0	7.2	4.7	7.2	1.2	3.7	3.2	5.2	3.5	29.3	4.0	403
18-20	18-20	43.1	2.2	4.0	6.7	6.2	1.0	2.7	1.6	3.5	1.3	27.5	4.0	371
21-23	21-23	35.1	1.0	2.6	2.5	1.3	1.3	2.0	4.2	3.9	.6	22.3	3.4	310
TOTALS		37.0	3.5	5.0	4.7	3.3	1.7	3.0	2.8	4.6	2.4	30.4	4.0	2851

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

SKY COVER

10500 FA BILLYE WAY AT AIRPORT

40-50

7-1

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
00-02	00-02	33.0	0.7	0.0	1.0	2.2	1.0	1.0	4.2	3.2	1.1	27.0	3.7	272
03-05	03-05	52.0	0.7	0.0	1.0	3.1	1.0	2.3	4.3	1.0		26.0	3.7	259
06-08	06-08	30.0	3.1	0.0	2.2	0.3	1.0	4.7	2.5	5.0	1.3	36.0	5.0	310
09-11	09-11	24.0	0.0	0.5	4.7	4.1	3.0	2.0	0.7	1.0	4.1	32.0	5.0	341
12-14	12-14	25.0	0.0	0.1	4.8	2.1	3.0	3.0	2.1	0.0	6.2	39.0	5.0	332
15-17	15-17	20.0	0.0	0.3	0.6	0.4	0.7	3.0	3.0	4.0	0.0	37.0	5.0	333
18-20	18-20	39.0	0.0	0.7	0.0	0.4	2.2	2.2	2.2	4.0		31.0	4.4	320
21-23	21-23	51.0	1.0	0.5	2.1	2.1	1.7	2.0	0.2			29.0	3.0	296
TOTALS		35.0	1.4	0.1	3.3	3.0	2.3	3.0	3.2	3.0	1.9	34.1	4.0	2470

DATA PROCESSING DIVISION
ETAC, 1954
ASHEVILLE, N.C. 28601

SKY COVER

16604 ELMHURST DAY THT OUT APT

46240-50

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
	00-07	45.1	.4	2.2	1.3	4.3	.2	1.7	1.3	4.4		34.5	4.4	226
	08-05	44.1	1.3	7.0	1.7	5.2	2.6	2.7	1.7	2.5	.4	31.0	4.1	229
	06-08	22.6	5.4	6.1	1.8	1.5	5.0	2.7	2.7	6.1	5.0	39.1	5.4	261
	09-11	23.3	3.1	3.5	5.4	3.4	4.2	3.1	4.2	4.2	4.2	41.7	5.1	260
	12-14	22.0	6.7	2.4	2.6	4.7	5.1	2.0	3.9	4.7	4.3	41.3	5.0	234
	15-17	18.0	8.2	4.7	5.9	4.7	3.3	2.3	4.5	4.5	3.1	34.7	5.0	256
	18-20	22.4	5.6	4.4	4.7	4.7	2.4	2.4	4.8	7.9	1.2	33.3	5.3	252
	21-23	37.8	1.6	4.1	5.1	3.4	1.5	3.2	4.3	2.7	.3	30.6	4.2	222
	TOTALS	22.9	4.1	4.3	5.2	4.4	3.3	2.4	3.4	5.0	2.4	36.4	5.3	1660

SKY COVER

43-47, 49-50

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS [L.S.T.]	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	30.4	1.9	4.1	1.0	2.6	.0	3.1	3.0	5.1	3.0	40.0	5.5	250
	03-05	14.8	5.2	4.2	4.2	2.3	1.7	5.7	2.4	3.3	7.5	40.2	6.7	212
	06-08	19.1	3.0	5.2	4.1	5.2	3.7	2.6	4.5	4.5	6.4	41.6	6.2	267
	09-11	22.1	4.5	4.1	3.4	3.4	2.4	5.4	6.6	6.5	1.0	38.6	5.9	290
	12-14	20.4	1.3	5.9	4.5	5.9	3.0	3.2	5.1	6.2	3.1	34.3	5.5	249
	15-17	21.1	7.3	5.4	5.2	4.2	2.1	4.2	4.3	4.2	1.0	33.2	5.6	264
	18-20	16.2	4.3	3.7	6.7	5.6	1.5	3.7	7.1	5.9	7.8	37.5	6.3	269
	21-23	25.3	4.2	5.4	5.5	5.5		4.2	3.0	4.2	1.7	34.0	4.1	237
TOTALS		21.1	5.2	5.3	4.6	4.5	2.3	4.1	4.7	5.2	4.8	34.4	5.4	2083

SKY COVER

$$4.5 = 5.1$$

147

STATION

STATION NAME

PERIOD

MONTH

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	00-07	16.3	2.7	2.3	2.7	2.6	2.3	2.1	2.7	3.7	3.7	57.3	7.1	375
	08-05	14.9	2.8	1.9	1.7	3.2	1.7	1.4	3.8	4.7	6.6	56.7	7.3	363
	06-08	10.7	2.7	3.2	3.2	4.7	1.7	2.2	2.5	5.1	7.5	57.5	7.5	402
	09-11	10.7	4.2	2.5	3.5	2.2	2.1	2.7	5.5	8.7	7.4	56.6	7.4	403
	12-14	14.1	3.5	5.7	3.7	3.5	.7	4.2	5.5	7.7	5.7	45.7	6.3	403
	15-17	14.9	3.0	3.0	3.0	5.0	2.3	2.7	5.5	6.9	4.5	47.4	6.2	403
	18-20	14.1	2.6	4.6	3.6	2.8	3.1	3.3	3.3	7.7	5.1	49.2	7.5	390
	21-23	17.0	1.6	2.7	3.7	3.4	1.1	2.7	2.9	5.3	4.5	55.2	7.1	377
TOTALS		14.0	2.9	3.3	3.1	3.4	2.0	2.7	4.0	6.3	5.9	52.3	7.1	3114

SKY COVER

40-371

PERIOD

MONTH

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	9.7	3.6	4.4	0.9	3.3	.5	3.5	2.1	5.4	2.6	57.2	7.3	197
	03-05	10.0	1.5	2.3	0.4	4.9	.5	6.1	2.6	7.4	6.4	53.8	7.4	197
	06-08	6.7	3.1	2.6	3.3	4.4	3.5	2.3	3.3	8.2	5.9	54.1	7.3	197
	09-11	5.9	7.4	2.8	4.4	4.6	4.5	1.3	4.6	5.4	11.3	44.2	7.2	197
	12-14	5.2	2.3	5.4	4.1	4.4	5.1	2.6	5.7	6.2	0.8	39.7	6.7	197
	15-17	10.3	5.7	6.7	2.1	4.4	3.3	5.1	3.6	8.7	5.1	42.4	6.5	197
	18-20	11.1	6.2	5.7	5.7	4.6	2.3	3.6	3.1	10.5	5.4	41.2	6.6	197
	21-23	14.1	4.4	5.2	5.1	3.3	1.3	2.3	4.4	5.1	4.1	47.8	6.6	197
TOTALS		9.5	5.5	4.6	4.9	4.4	2.7	3.6	3.8	7.4	6.2	47.4	7.0	3110

SKY COVER

40-50

1. 1

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	11.4	4.2	5.5	6.2	5.0	2.0	4.2	5.0	5.4	3.2	44.9	6.7	403
	03-05	12.2	4.2	4.0	4.0	1.5	3.7	2.5	6.5	6.7	5.5	46.7	6.9	403
	06-08	12.4	4.2	6.2	3.5	4.0	2.0	2.5	5.2	7.2	5.0	46.9	6.5	404
	09-11	9.3	6.5	3.8	5.5	2.5	2.5	5.5	5.0	5.5	11.3	41.3	6.5	400
	12-14	7.2	6.2	5.7	6.0	4.0	2.7	3.7	6.0	12.2	5.2	38.1	6.8	402
	15-17	7.2	4.2	5.2	6.7	5.5	4.2	2.7	5.7	9.2	8.9	40.4	6.7	403
	18-20	5.5	5.2	5.5	6.2	5.5	2.0	3.7	7.4	10.9	9.9	33.2	7.0	403
	21-23	6.9	3.5	6.5	5.2	6.2	3.0	8.2	5.7	7.7	4.0	43.2	6.9	403
TOTALS		9.1	4.8	5.3	5.4	4.3	2.6	4.1	5.8	9.2	6.7	42.4	6.9	3720

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

SKY COVER

16633 FORT LINDSEY DAY MGT DET APT

40-50

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
00-02		7.4	3.0	5.5	4.9	4.7	2.3	2.7	3.2	8.4	4.3	50.0	7.2	403
03-05		4.7	2.5	3.2	6.0	4.0	2.5	3.2	5.0	6.0	7.9	55.1	7.1	403
06-08		2.7	5.0	2.2	2.7	5.0	2.2	3.5	6.0	0.9	8.7	53.1	7.4	403
09-11		1.0	2.2	2.7	4.5	4.0	2.2	3.0	6.0	5.7	12.9	51.9	6.2	403
12-14		.5	1.2	2.7	5.7	5.7	5.5	3.5	7.9	14.0	10.2	45.4	9.0	403
15-17			1.7	3.2	4.2	4.7	5.7	5.5	5.2	14.9	11.2	43.7	7.9	403
18-20		2.0	2.2	4.7	4.7	3.5	3.2	5.7	6.0	11.2	7.9	48.9	7.8	403
21-23		5.7	3.2	5.7	7.7	4.2	1.7	3.7	4.2	10.5	3.0	50.1	7.5	401
TOTALS		3.0	2.6	3.9	4.9	4.5	3.1	3.8	5.4	10.5	8.3	49.4	7.8	3242

2

•

• 4 12

MONTH

1

1

1

1210WS

FORM

0.9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

41-41'

STATION

STATION NAME

PERIOD

MONTH

[illegible]

SKY COVER

$$4t = 4t'$$

STATION

STATION NAME

PERIOD

MONTH

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		
01-02	17.6	2.4	3.4	1.7	2.4	.7	2.0	.7	3.7	4.1	55.4	7.1	296	
03-05	15.4	4.2	3.4	3.4	1.7	1.7	3.5	1.0	2.7	3.5	59.7	7.1	288	
06-08	7.4	2.7	4.4	3.4	2.0	1.7	.3	4.4	6.4	7.2	69.5	7.2	298	
09-11	3.7	3.0	3.7	2.0	2.7	2.7	2.7	5.0	9.3	7.3	59.7	6.2	360	
12-14	3.4	3.3	3.0	2.3	3.4	3.7	5.0	3.7	9.3	4.0	57.2	7.0	249	
15-17	5.4	2.3	5.0	4.3	5.7	2.0	6.3	1.7	6.4	3.7	36.3	7.5	300	
18-20	16.7	1.7	4.0	4.0	3.3	1.3	3.3	3.0	1.7	2.0	59.0	7.0	300	
21-23	20.1	1.3	1.3	2.7	1.7	1.3	4.0	3.3	4.0	1.7	38.5	7.1	239	
TOTALS		11.4	2.6	3.6	3.1	3.1	1.7	3.5	2.9	5.4	4.2	58.5	7.5	2376

SKY COVER

4. - 4. -

STATION

STATION NAME

PERIOD

MONTH

[illegible]

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 (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

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

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/PAC
 16603 ARMBRISTER RAY NAT OUT APT
 STATION STATION NAME

DAILY TEMPERATURES

42-50

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
75							3.7						0.1
70							3.2	2.4					0.3
65						4.1	19.0	10.0					1.1
60						5.9	35.8	25.1					3.1
55						13.3	62.4	52.7	4.6				6.3
50					3.2	37.4	84.9	79.6	19.2				12.4
45					11.8	71.9	97.8	98.9	45.3				20.6
40					37.6	92.7	100.0	100.0	81.2	15.3	3.3		30.0
35	2.0	3.1	5.4	7.7	64.5	95.9			99.2	52.8	17.1	2.4	39.0
30	4.0	4.9	4.7	17.9	81.7	100.0			100.0	81.5	37.5	7.2	48.8
25	7.3	8.7	8.5	32.5	88.9					93.5	54.6	13.9	56.1
20	10.5	11.1	15.3	51.2	94.3					98.4	70.8	21.1	61.6
15	12.9	14.7	29.4	87.1	99.3					100.0	77.1	32.1	67.0
10	13.1	20.9	41.3	80.4	100.0						55.4	45.0	71.5
5	27.6	28.0	56.6	91.7							91.2	34.5	76.1
0	34.3	37.8	68.9	96.2							95.4	64.1	80.5
-5	44.0	45.8	80.4	98.7							96.2	77.5	84.3
-10	54.0	57.8	88.9	99.6							97.5	86.1	87.8
-15	58.1	73.3	94.5	100.0							99.2	94.7	90.9
-20	81.0	89.3	96.7								100.0	95.6	94.5
-25	91.5	95.6	99.6									100.0	97.5
-30	96.0	99.1	100.0										98.9
-35	100.0	100.0											99.8
-40													100.0
MEAN	-10.4	-8.5	1.7	14.2	30.9	43.4	52.5	50.4	39.6	29.2	16.1	1.8	21.9
S D	16.71	16.41	13.61	10.74	8.32	6.63	7.91	6.62	5.47	5.89	12.47	14.66	24.11
TOTAL OBS	243	225	233	240	279	270	279	279	240	248	240	209	2992

DATA PROCESSING DIVISION

USAF ETAC

AIR WEATHER SERVICE/AGC

16603

STATION

FROBISHER BAY APT OUT APT

STATION NAME

42-50

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
50							1.8	.4					.2
45							9.0	4.3					1.2
40						3.7	36.9	33.7	.6				7.0
35					.7	23.7	84.6	83.2	24.2				19.8
30					2.9	47.6	95.7	96.1	36.7	1.2			23.6
25		.4			14.7	34.1	100.0	100.0	61.7	10.1	.8		33.5
20	.4	2.2	1.7	1.2	32.3	95.9			91.7	27.4	7.9	1.9	41.3
15	.8		2.6	7.5	53.0	99.6			99.6	53.2	19.6	3.3	47.8
10	2.0			12.1	66.8	100.0			100.0	76.2	30.8	6.2	52.8
5	2.4	3.1	5.1	19.2	77.8					90.7	48.3	9.1	57.4
0	4.4	5.6	9.4	31.7	87.5					96.8	57.5	18.7	61.9
-5	6.5	7.1	14.0	47.9	93.5					99.2	66.2	23.4	65.6
-10	11.7	13.3	20.9	57.1	97.5					99.6	81.7	32.5	70.1
-15	19.4	20.9	37.9	70.4	99.3					100.0	91.7	41.1	75.3
-20	24.2	28.4	51.5	81.7	100.0						94.6	53.6	79.4
-25	33.9	39.1	61.7	93.7							97.9	67.9	84.0
-30	50.4	49.8	77.0	97.1							98.3	82.8	88.7
-35	66.1	65.8	86.4	100.0								94.7	93.0
-40	81.5	80.4	93.2								100.0	99.5	96.4
-45	93.1	94.2	99.6									100.0	99.0
-50	100.0	100.0											99.9
													100.0
MEAN	-23.1	-22.3	-14.9	-2.0	18.2	32.4	38.6	38.1	30.8	19.7	6.7	-11.1	9.3
S D	13.755	14.789	14.041	13.070	10.579	3.525	4.202	3.519	4.560	7.460	13.321	14.767	24.818
TOTAL OBS	246	225	235	240	279	270	279	279	240	248	240	209	2992

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

DATA PROCESSING DIVISION
USAF ETAC

AIR WEATHER SERVICE/HAC

19603 FRANKLIN RAY NWT DIT APT
STATION STATION NAME

42-50

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

44 A

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65							1.4						1.4
60							1.8						1.2
55							8.2	1.4					9.9
50						5.0	43.7	16.1					4.0
45						7.4	52.7	45.2	2.1				10.0
40					2.2	30.0	88.2	88.0	21.2				20.9
35		1.8			11.5	79.6	99.6	99.6	55.4	3.6			31.3
30	2.4	4.9	2.6	1.7	34.4	97.4	100.0	100.0	89.2	24.6	2.1	1.7	41.0
25	4.0	10.2	3.0	5.8	56.3	99.3			99.6	51.2	20.8	3.3	48.8
20	7.7	14.7	4.7	13.3	74.6	100.0			100.0	63.1	34.6	5.7	55.9
15	10.5	16.4	6.4	25.8	84.9					43.1	49.6	12.0	60.4
10	14.1	19.5	12.8	40.8	91.0					97.6	67.9	18.2	65.5
5	19.0	23.6	20.0	53.3	97.5					99.0	74.2	26.8	70.1
0	23.4	28.9	32.3	69.6	100.0					100.0	86.0	39.7	75.3
-5	31.0	35.1	49.4	81.7							91.2	45.7	79.5
-10	36.7	45.8	63.0	92.9							95.4	63.2	84.3
-15	45.2	56.0	73.2	96.7							97.1	70.8	87.5
-20	54.9	66.7	86.8	99.6							98.3	86.6	91.9
-25	71.0	78.2	90.6	100.0							99.2	93.8	94.7
-30	84.3	88.4	98.3								100.0	99.5	97.7
-35	92.7	95.9	100.0									100.0	99.2
-40	94.8	98.7											99.8
-45	100.0	100.0											100.0
MEAN	-13.0	-8.7	-5.5	6.0	24.6	47.9	45.6	44.3	33.3	24.5	12.4	-4.6	16.5
S.D.	14.458	19.880	13.782	11.641	9.093	4.704	5.653	4.588	4.755	6.367	12.503	14.517	23.668
TOTAL OBS	248	225	235	240	279	270	279	279	240	245	240	209	2992

USAF ETAC FORM 0-215-OL 1-1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

16603
STATION

FRUBISHER BAY NWT. DUT. APT
STATION NAME

42-30

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

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

2

1

●

1

;

●

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

16603
STATION

FRUBISHER BAY NWT DDT APT
STATION NAME

42-50

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42			-16	-29	5	19	32	32	25	16	-15	-32	
43	-32	-43	-38	-28	-1	28	33	30	20	4	-7	-27	-43
44	-40	-43	-39	-8	-9	26	32	32	21	-6	-32	-36	-43
45	-38	-42	-24	-30	-5	28	31	32	20	3	-17	-31	-42
46	-44	-37	-23	-25	-6	25	30	32	19	-4	-8	-26	
47	-43	-20		-15	-5	25	31	31	21	6	-8	-29	
48	-36	-39	-40		-2	30	36	36	29	10	-20	-35	
49	-43	-42	-41	-16	-15	30	30	32	20	7	-11	-2	
50	-46	-49	-35	-24	4	30	33	33					
MEAN	-40.2	-39.0	-34.2	-22.1	-3.5	26.8	32.0	32.2	21.9	4.5	-14.8	-31.7	-42.7
S D	4.683	9.183	7.610	7.772	6.220	3.563	1.871	1.641	3.399	7.131	8.412	3.443	
TOTAL OBS	240	198	217	240	279	270	279	279	240	248	240	186	2924

EXTREME VALUES

10603	FRUBISHER BAY NWT OUT APT
STATION	STATION NAME

42-50

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

2

44

42-537

YEARS

MONTH

HOURLS	U	S	T
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			

1210 WS 0-26:5 (QL1)
FORM REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
1111 A4

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

PSYCHROMETRIC SUMMARY

16603 FROBISHER DAY DWT DIT APT

42-50

ALL

STATION

STATION NAME

YEARS

MONTH

Page 2 ALL

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
57-7																																		1077	1100	1219	1177	
57-5																																		1119	1121	1079	1110	
47-5																																		993	999	1066	1307	
27-1																																		999	1017	1011	1282	
07-1																																		1125	1135	1123	987	
27-3																																		1209	1232	1274	480	
47-5																																		1047	1053	990	993	
27-7																																		970	996	1030	1145	
47-9																																		872	918	887	996	
107-11																																		883	983	905	1029	
127-13																																		813	920	870	748	
147-15																																		708	942	751	527	
167-17																																		771	747	705	847	
187-19																																		695	959	708	868	
207-21																																		735	1026	734	629	
227-23																																		697	970	743	724	
247-25																																		809	1012	681	562	
267-27																																		511	631	519	521	
287-29																																		428	743	491	292	
307-31																																		385	593	375	430	
327-33																																		288	468	329	502	
347-35																																		176	445	203	550	
367-37																																		42	339	56	301	
387-39																																		21	212	26	310	
407-41																																		14	161	14	242	
427-43																																		5	45	5	210	
447-45																																			12		193	
467-47																																		5			197	
487-49																																		1			156	
507-51																																					140	
527-53																																					204	
547-55																																					60	
567-57																																					218	
587-59																																					77	
Element (X)	Σx					Σx					$\bar{x}$					σ_x					No. Obs.					Mean No. of Hours with Temperature												
Rel. Hum.																										≤ 0 F					≤ 32 F							
Dry Bulb																										≥ 67 F					≥ 73 F							
Wet Bulb																										≥ 80 F					≥ 93 F							
Dew Point																															Total							

20

PSYCHROMETRIC SUMMARY

42-30

144

STATION NAME

YEARS

MONTH

2-1.1 3 ALL

HOURS IL S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
61																					60
62																					59
63	10.0	9.2	8.4	7.6	6.8	6.0	5.2	4.4	3.6	2.8	2.0	1.2	0.4					61.0	63.0	61.0	60.3
64																					59
65																					58
66																					57
67																					56
68																					55
69																					54
70																					53
71																					52
72																					51
73																					50
74																					49
75																					48
76																					47
77																					46
78																					45
79																					44
80																					43
81																					42
82																					41
83																					40
84																					39
85																					38
86																					37
87																					36
88																					35
89																					34
90																					33
91																					32
92																					31
93																					30
94																					29
95																					28
96																					27
97																					26
98																					25
99																					24
100																					23
101																					22
102																					21
103																					20
104																					19
105																					18
106																					17
107																					16
108																					15
109																					14
110																					13
111																					12
112																					11
113																					10
114																					9
115																					8
116																					7
117																					6
118																					5
119																					4
120																					3
121																					2
122																					1
123																					0
124																					
125																					
126																					
127																					
128																					
129																					
130																					
131																					
132																					
133																					
134																					
135																					
136																					
137																					
138																					
139																					
140																					
141																					
142																					
143																					
144																					
145																					
146																					
147																					
148																					
149																					
150																					
151																					
152																					
153																					
154																					
155																					
156																					
157																					
158																					
159																					
160																					
161																					
162																					
163																					
164																					
165																					
166																					
167																					
168																					
169																					
170																					
171																					
172																					
173																					
174																					
175																					
176																					
177																					
178																					
179																					
180																					
181																					
182																					
183																					
184																					
185			</																		

FORM 0-26.5 (OL1)
JUL 84
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28611

PSYCHROMETRIC SUMMARY

10003 FARGIS DEN RAY FAY OUT APT

43-50

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL

HOURS & S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.		TOTAL 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																									
40/ 39																																	1	1																							
38/ 37																																			1																						
34/ 33																																	16	10	1	2																					
32/ 31																																	15	15	17	0																					
30/ 29																																	13	13	20	7																					
28/ 27																																	12	12	14	12																					
26/ 25																																	13	15	9	19																					
24/ 23																																	10	11	16	11																					
22/ 21																																	32	37	20	17																					
20/ 19																																	45	45	32	4																					
18/ 17																																	60	60	50	38																					
16/ 15																																	51	51	62	50																					
14/ 13																																	62	62	54	36																					
12/ 11																																	51	51	55	50																					
10/ 9																																	62	62	51	38																					
8/ 7																																	52	62	70	53																					
6/ 5																																	76	76	69	35																					
4/ 3																																	78	78	79	64																					
2/ 1																																	117	129	98	88																					
0/ -1																																	162	164	155	40																					
-2/ -3																																	136	147	166	53																					
-4/ -5																																	157	169	143	92																					
-6/ -7																																	156	161	170	75																					
-8/ -9																																	166	180	174	70																					
-10/ -11																																	136	157	141	134																					
-12/ -13																																	157	170	142	111																					
-14/ -15																																	175	209	166	56																					
-16/ -17																																	206	241	199	150																					
-18/ -19																																	227	280	205	153																					
-20/ -21																																	236	281	243	113																					
-22/ -23																																	202	280	206	156																					
-24/ -25																																	206	343	204	147																					
-26/ -27																																	174	282	173	145																					
-28/ -29																																	170	280	180	90																					
Element (X)	ΣX^2					ΣX					$\bar{X}$					σ_x					No. Obs.					Mean No. of Hours with Temperature																															
Rel. Hum.																										< 0 F					< 32 F					> 67 F					> 73 F					> 80 F					> 93 F					Total	
Dry Bulb																																																									
Wet Bulb																																																									
Dew Point																																																									

1210 WS 0-26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
FORM JUL 64

PSYCHROMETRIC SUMMARY

4 1-57

STATION NAME

YEARS

iii

MONTH

DEC 1 1944

HOURS: 11 5 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
30/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100/-33	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T.T. 1	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T.T. 2	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T.T. 3	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T.T. 4	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PSYCHROMETRIC SUMMARY

43-39

STATION

STATION NAME

YEARS

rt.

MONTH

Page 2 of 4

HOURS: 8 5 11

[illegible]

FORM 0-26.5 (OL1)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
FTAG, USAR
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

10604 FRIDAY, MAY 24, 1968

44-389

442

STATION

STATION NAME

YEARS

MONTH

CONFIDENTIAL

HOURS: 1 5 7:

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb Wet Bulb Dew Point			
-30/-31	3.4	1.5																																158	716	157	70
-32/-33	2.2	1.4																																115	171	114	165
-34/-35	1.7	.7																																79	174	80	177
-36/-37	.1	.4																																13	145	21	71
-38/-39																																			51	7	98
-40/-41																																			46		36
-42/-43																																			14		55
-44/-45																																					70
-46/-47																																			4		50
-48/-49																																			1		60
-50/-51																																					60
-52/-53																																					60
-54/-55																																					31
-56/-57																																					48
-58/-59																																					13
-60/-61																																					17
TOTAL	11.4	20.7	.1																															32.7	4503	5217	5883

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	11337603	174619	60.6	21.293	2863	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Dry Bulb	2243404	70338	15.7	15.903	4503	566.4	666.8					672.0
Wet Bulb	1241203	37363	11.6	15.343	3217	334.3	664.7					672.0
Dew Point	2460800	38462	20.3	21.036	2853	561.5	663.6					672.0

2

24

MONTH

HOURS IL S T

1210 WS 0-26-5 (OLI) FORM JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

•

42-46, 48-50

YEARS

MONTH

[illegible]

FORM 0-26.5 (OL1)
JUL 64

2

2

42-47, 49-50

448

STATION NAME

YEARS

MONIN

2011 11 14

HOURS: 1 5 T:

210 WS 0-26-5 (OL1) FORM JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

210 WS

2

46-47, 43-20

STATION

STATION NAME

PSYCHROMETRIC SUMMARY

45b

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			
30/-31																																17			
32/-33																																10			
34/-35																																13			
36/-37																																0			
38/-39																																4			
40/-41																																3			
42/-43																																4			
44/-45																																2			
46/-47																																4			
48/-49																																3			
50/-51																																2			
52/-53																																2			
54/-55																																2			
TOTAL	420	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	4462	4462			
																																4462			
																				</															

FORM 0-26-5 (OL1)
JUL 64

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

PSYCHROMETRIC SUMMARY

16603 FATHISHER BAY - AT DRY SPT

42-50

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																																	
52/ 51																																																					
50/ 49																																																					
48/ 47																																																					
46/ 45																																																					
44/ 43																																																					
42/ 41																																																					
40/ 39																																																					
38/ 37																																																					
36/ 35																																																					
34/ 33																																																					
32/ 31																																																					
30/ 29																																																					
28/ 27																																																					
26/ 25																																																					
24/ 23																																																					
22/ 21																																																					
20/ 19																																																					
18/ 17																																																					
16/ 15																																																					
14/ 13																																																					
12/ 11																																																					
10/ 9																																																					
8/ 7																																																					
6/ 5																																																					
4/ 3																																																					
2/ 1																																																					
0/- 1																																																					
-2/- 3																																																					
-4/- 5																																																					
-6/- 7																																																					
-8/- 9																																																					
-10/-11																																																					
-12/-13																																																					
-14/-15																																																					
Element (X)	ΣX^2																															ΣX				$\bar{X}$		σ_x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.																																								< 0 F		< 32 F		> 67 F		> 73 F		> 80 F		> 93 F		Total	
Dry Bulb																																																					
Wet Bulb																																																					
Dew Point																																																					

2

YEARS

42-55

DAY
MONTH
PAGE 2 ALL
HOURS (L S T)

[illegible]

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

PSYCHROMETRIC SUMMARY

1980 FEBRUARY MAY JULY OCT

4. - 50

STATION

STATION NAME

YEARS

MONTH

DATE: 1 JUL

HOURS 11 5 11

[illegible]

PSYCHROMETRIC SUMMARY

106.3	FM 106.3 FM T 107.1
STATION	STATION NAME

42-92

YEARS

 MONTH

ALL
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
73/ 75										.1	.0							5	7																
74/ 73									.0	.0	.0	.0						7	7																
72/ 71						.0		.0	.0	.0	.1							17	17																
70/ 69							.0	.2	.0	.0	.0	.0						20	21																
67/ 67						.0		.1	.1	.1	.0	.0						28	27																
66/ 65				.0		.1	.2	.1	.1	.1	.0							44	44																
64/ 63				.1	.2	.3	.1	.1	.1	.0								51	51																
62/ 61			.0	.2	.2	.3	.1	.0										57	57	1															
60/ 59			.1	.4	.7	.3	.1	.1										113	113	25	1														
58/ 57			.2	.0	.0	.0	.0	.0	.0									158	158	37	1														
56/ 55		.0	.0	1.4	.7	.3	.0	.0										205	205	51	6														
54/ 53		.2	1.0	2.1	1.1	.2	.1											253	253	112	22														
52/ 51	.1	.2	2.1	2.4	.5	.3	.0											355	355	174	37														
50/ 49	.1	1.1	3.0	1.7	.4	.1												467	467	321	105														
48/ 47	.2	2.6	3.0	1.0	.3	.0												527	521	505	172														
46/ 45	.3	4.0	3.0	1.3	.1	.0												712	712	666	319														
44/ 43	.7	5.1	3.7	.0	.4													715	715	762	588														
42/ 41	1.0	6.0	3.2	.2														713	713	936	845														
40/ 39	2.4	6.0	1.0	.1														714	714	1046	758														
38/ 37	3.4	4.0	.0															535	535	747	1062														
36/ 35	2.4	2.0	.2															321	321	511	988														
34/ 33	1.2	.0	.1															117	117	221	652														
32/ 31	.2	.0																13	13	33	258														
30/ 29	.0																	2	2		107														
28/ 27																					16														
26/ 25																					23														
24/ 23																					4														
20/ 19																					1														
TOTAL	13.4	35.2	27.0	12.8	0.0	3.1	.9	.0	.4	.2								6137	6187	167	6187														

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	79964224	489103	72.1	13.440	6187	< 0 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Dry Bulb	13146937	231303	45.3	7.276	6187		1.8	9.0	1.4			744.0
Wet Bulb	11237415	261921	42.3	5.230	6187		4.7					744.0
Dew Point	9474840	240372	38.9	4.652	6187		49.4					744.0

2

46-53

MONTH

HOURS: L S T.

1210 WS 0-26-5 (OLI) FORM
JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

<u>106</u>	<u>7-1-1948</u>	<u>NY - T - 1 - 101</u>
STATION	STATION NAME	

• 2014 •

YEARS

MONITOR

[illegible]

HOURS: 8 5 1:

[illegible]

DATE OF COMPLETION OF INVESTIGATION
FBI, FBI
DATE FILED IN FBI FILE

PSYCHROMETRIC SUMMARY

156 JOURNAL OF DOCUMENTATION, vol. 57, no. 3, 2002

 $4_2 = 4'$

401

STATION

STATION NAME

YEARS

MONTH

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

HOURS: 1 S.T.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0265 (OL1)

1210 WS

DATA PROCESSING DIVISION
ETAC, USA
ASHVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

10604 FREDERICKS PAY INT DET ART

47-94

STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL

HOURS 1511

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL
D.B./W.B. Dry Bulb | TOTAL | | | |
|--------------|-------------------------------------|-----|-----|-----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------------------|-------|----------|-----------|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | 31 | Wet Bulb | Dew Point | |
| 34/ 35 | | 0.1 | 0.3 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 25 | 2 | 2 |
| 34/ 33 | | 0.4 | 0.3 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | 43 | 15 | 24 |
| 32/ 31 | | 0.7 | 1.0 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 114 | 110 | 53 | 50 |
| 30/ 29 | | 2.0 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 204 | 268 | 214 | 150 |
| 28/ 27 | | 3.0 | 3.0 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 397 | 397 | 349 | 175 |
| 26/ 25 | | 4.0 | 5.0 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 399 | 395 | 374 | 270 |
| 24/ 23 | | 1.7 | 4.1 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 303 | 303 | 327 | 293 |
| 22/ 21 | | 1.0 | 6.0 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 309 | 309 | 312 | 315 |
| 20/ 19 | | 1.0 | 4.0 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 326 | 326 | 314 | 172 |
| 18/ 17 | | 1.7 | 5.0 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 304 | 304 | 304 | 314 |
| 16/ 15 | | 2.7 | 6.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 382 | 383 | 428 | 281 |
| 14/ 13 | | 1.0 | 3.0 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 245 | 245 | 273 | 358 |
| 12/ 11 | | 0.7 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 190 | 190 | 235 | 384 |
| 10/ 9 | | 1.0 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 173 | 173 | 175 | 191 |
| 8/ 7 | | 1.7 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 202 | 202 | 208 | 253 |
| 6/ 5 | | 2.0 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 216 | 216 | 201 | 216 |
| 4/ 3 | | 1.7 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 178 | 179 | 196 | 221 |
| 2/ 1 | | 1.0 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 153 | 153 | 176 | 202 |
| 0/- 1 | | 1.7 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 171 | 171 | 169 | 187 |
| - 2/- 3 | | 1.0 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 150 | 150 | 164 | 95 |
| - 4/- 5 | | 1.0 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 126 | 126 | 130 | 179 |
| - 6/- 7 | | 1.0 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 107 | 107 | 107 | 185 |
| - 8/- 9 | | 1.0 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 51 | 81 | 94 | 152 |
| -10/-11 | | 0.0 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 51 | 137 |
| -12/-13 | | 0.0 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 46 | 46 | 48 | 89 |
| -14/-15 | | 0.0 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 52 | 53 | 57 | 64 |
| -16/-17 | | 0.1 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 22 | 18 | 82 |
| -18/-19 | | 0.2 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 26 | 11 | 74 |
| -20/-21 | | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 13 | 4 | 31 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | 36 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | 25 |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | 12 |
| -28/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

4. - 4.1

YEARS

MONTH
PAGE 2 ALL
HOURS 11 5 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 | | | | | | | | | | | | | | | | |
| 327=34 | | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | | |
| 347=15 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | |
| 367=17 | | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | | |
| 387=19 | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | | |
| 407=21 | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| 427=23 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| 447=25 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 467=27 | | | | | | | | | | | | | | | | | | | | | | 5129 | | | | | | | | | | | | | | | |
| Tot L | 17.6 | 1.9 | 1.0 | | | | | | | | | | | | | | | | | | | 5129 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

PSYCHROMETRIC SUMMARY

16603 F. WISPER RAY (1) OUT CRT

62-62

050

STATION

STATION NAME

YEARS

MONTH

0001 1 ALL

HOURS LST

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/-31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/-9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/-7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0/-0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2/-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -4/-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -6/-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -8/-7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10/-9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -12/-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -14/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -16/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -18/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -22/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -24/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -26/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -28/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -30/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -32/-31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

15607 600198 NY 1-11-61 GNT

13. $\frac{1}{2} = \frac{1}{2}$

STATION

STATION NAME

YEARS

MONTH

DATE 4 JUL

HOURS 11 5 11

| 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/-34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/-32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37/-31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/-28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/-26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/-24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/-22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/-20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/-16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54/-14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56/-12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57/-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58/-10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60/-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61/-7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62/-6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63/-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64/-4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65/-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66/-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67/-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69/1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71/3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73/5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74/6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75/7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77/9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79/11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80/12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81/13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82/14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83/15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84/16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85/17 | | | | | | | | | | | | | | | | | | | | | | | </ | | | | | | | | | | | | | | |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0.26-5 (OLI)
JUL 64

1210 WS

ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

16693 FROBISHER BAY NWT DOT APT

42-50

STATION

STATION NAME

YEARS

| HRS. LST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--|--|---|--|--|--|--|--|--|--|---|---|--|
| 00-02 | MEAN 10.3-
S D 15.603
TOTAL OBS 582 | MEAN 18.1-
S D 15.393
TOTAL OBS 533 | MEAN 12.5-
S D 14.067
TOTAL OBS 522 | MEAN 2.3
S D 12.437
TOTAL OBS 535 | MEAN 21.1
S D 9.857
TOTAL OBS 747 | MEAN 34.2
S D 3.978
TOTAL OBS 750 | MEAN 41.3
S D 5.069
TOTAL OBS 775 | MEAN 41.1
S D 4.215
TOTAL OBS 773 | MEAN 33.7
S D 4.610
TOTAL OBS 719 | MEAN 24.3
S D 6.736
TOTAL OBS 741 | MEAN 13.4
S D 13.095
TOTAL OBS 655 | MEAN 4.6-
S D 15.639
TOTAL OBS 592 | MEAN 16.3
S D 23.582
TOTAL OBS 7924 |
| 03-05 | MEAN 10.1-
S D 15.647
TOTAL OBS 580 | MEAN 18.0-
S D 15.883
TOTAL OBS 514 | MEAN 13.6-
S D 13.633
TOTAL OBS 506 | MEAN 1.1
S D 12.621
TOTAL OBS 491 | MEAN 21.1
S D 9.857
TOTAL OBS 725 | MEAN 34.7
S D 4.142
TOTAL OBS 749 | MEAN 41.4
S D 5.069
TOTAL OBS 772 | MEAN 40.6
S D 4.230
TOTAL OBS 775 | MEAN 33.1
S D 4.633
TOTAL OBS 719 | MEAN 24.2
S D 6.909
TOTAL OBS 742 | MEAN 13.2
S D 13.346
TOTAL OBS 648 | MEAN 4.6-
S D 15.748
TOTAL OBS 564 | MEAN 16.4
S D 23.667
TOTAL OBS 7795 |
| 06-08 | MEAN 15.5-
S D 16.181
TOTAL OBS 647 | MEAN 16.7-
S D 16.515
TOTAL OBS 572 | MEAN 10.3-
S D 14.642
TOTAL OBS 592 | MEAN 4.0
S D 12.403
TOTAL OBS 617 | MEAN 23.8
S D 9.679
TOTAL OBS 773 | MEAN 36.9
S D 4.760
TOTAL OBS 749 | MEAN 44.2
S D 5.831
TOTAL OBS 773 | MEAN 43.1
S D 4.871
TOTAL OBS 775 | MEAN 34.3
S D 4.673
TOTAL OBS 720 | MEAN 24.3
S D 7.049
TOTAL OBS 743 | MEAN 13.3
S D 13.254
TOTAL OBS 655 | MEAN 4.7-
S D 15.447
TOTAL OBS 625 | MEAN 16.9
S D 24.301
TOTAL OBS 8241 |
| 09-11 | MEAN 15.0-
S D 16.142
TOTAL OBS 682 | MEAN 14.0-
S D 16.234
TOTAL OBS 594 | MEAN 5.5-
S D 13.691
TOTAL OBS 592 | MEAN 8.9
S D 11.351
TOTAL OBS 642 | MEAN 27.2
S D 8.875
TOTAL OBS 775 | MEAN 39.5
S D 5.696
TOTAL OBS 750 | MEAN 47.4
S D 6.904
TOTAL OBS 771 | MEAN 46.1
S D 5.983
TOTAL OBS 775 | MEAN 36.6
S D 4.855
TOTAL OBS 720 | MEAN 25.9
S D 6.794
TOTAL OBS 738 | MEAN 14.1
S D 12.974
TOTAL OBS 656 | MEAN 4.4-
S D 15.005
TOTAL OBS 654 | MEAN 19.0
S D 24.544
TOTAL OBS 8149 |
| 12-14 | MEAN 14.4-
S D 15.503
TOTAL OBS 680 | MEAN 11.9-
S D 15.479
TOTAL OBS 586 | MEAN 2.2-
S D 13.104
TOTAL OBS 587 | MEAN 11.7
S D 10.590
TOTAL OBS 646 | MEAN 28.9
S D 8.227
TOTAL OBS 775 | MEAN 41.2
S D 6.211
TOTAL OBS 750 | MEAN 49.5
S D 7.801
TOTAL OBS 774 | MEAN 48.0
S D 6.432
TOTAL OBS 773 | MEAN 38.0
S D 5.311
TOTAL OBS 719 | MEAN 26.7
S D 6.663
TOTAL OBS 741 | MEAN 14.4
S D 12.788
TOTAL OBS 658 | MEAN 4.1-
S D 15.029
TOTAL OBS 653 | MEAN 20.6
S D 24.528
TOTAL OBS 8242 |
| 15-17 | MEAN 15.6-
S D 15.575
TOTAL OBS 677 | MEAN 14.5-
S D 15.577
TOTAL OBS 587 | MEAN 3.2-
S D 13.156
TOTAL OBS 587 | MEAN 10.9
S D 10.096
TOTAL OBS 644 | MEAN 28.4
S D 8.229
TOTAL OBS 775 | MEAN 41.0
S D 6.419
TOTAL OBS 749 | MEAN 49.5
S D 7.946
TOTAL OBS 774 | MEAN 47.8
S D 6.673
TOTAL OBS 774 | MEAN 37.2
S D 5.338
TOTAL OBS 720 | MEAN 25.4
S D 7.081
TOTAL OBS 738 | MEAN 13.6
S D 12.993
TOTAL OBS 658 | MEAN 4.6-
S D 15.067
TOTAL OBS 651 | MEAN 19.9
S D 24.871
TOTAL OBS 8334 |
| 18-20 | MEAN 16.0-
S D 15.641
TOTAL OBS 650 | MEAN 16.0-
S D 15.625
TOTAL OBS 575 | MEAN 8.4-
S D 13.168
TOTAL OBS 554 | MEAN 6.8
S D 10.570
TOTAL OBS 572 | MEAN 25.9
S D 8.685
TOTAL OBS 762 | MEAN 38.9
S D 5.906
TOTAL OBS 750 | MEAN 47.3
S D 7.408
TOTAL OBS 774 | MEAN 45.1
S D 5.802
TOTAL OBS 774 | MEAN 35.2
S D 4.840
TOTAL OBS 720 | MEAN 24.4
S D 7.076
TOTAL OBS 740 | MEAN 13.2
S D 13.217
TOTAL OBS 660 | MEAN 5.0-
S D 15.111
TOTAL OBS 655 | MEAN 18.2
S D 24.752
TOTAL OBS 8166 |
| 21-23 | MEAN 16.7-
S D 15.144
TOTAL OBS 587 | MEAN 17.9-
S D 15.263
TOTAL OBS 542 | MEAN 11.6-
S D 13.337
TOTAL OBS 496 | MEAN 3.4
S D 11.404
TOTAL OBS 513 | MEAN 23.1
S D 9.191
TOTAL OBS 746 | MEAN 36.0
S D 4.658
TOTAL OBS 749 | MEAN 43.5
S D 5.899
TOTAL OBS 774 | MEAN 42.4
S D 4.504
TOTAL OBS 773 | MEAN 34.1
S D 4.560
TOTAL OBS 717 | MEAN 24.0
S D 7.185
TOTAL OBS 738 | MEAN 12.9
S D 13.343
TOTAL OBS 658 | MEAN 5.4-
S D 14.901
TOTAL OBS 603 | MEAN 17.0
S D 24.056
TOTAL OBS 7900 |
| ALL HOURS | MEAN 15.7-
S D 15.698
TOTAL OBS 5085 | MEAN 15.7-
S D 15.903
TOTAL OBS 4503 | MEAN 8.2-
S D 14.193
TOTAL OBS 4426 | MEAN 6.5
S D 12.010
TOTAL OBS 6060 | MEAN 25.0
S D 9.570
TOTAL OBS 6090 | MEAN 37.8
S D 5.889
TOTAL OBS 5996 | MEAN 45.5
S D 7.276
TOTAL OBS 6187 | MEAN 44.3
S D 6.057
TOTAL OBS 6192 | MEAN 35.3
S D 5.138
TOTAL OBS 5754 | MEAN 24.9
S D 6.995
TOTAL OBS 5922 | MEAN 13.5
S D 13.127
TOTAL OBS 5249 | MEAN 4.7-
S D 15.229
TOTAL OBS 4977 | MEAN 18.1
S D 24.351
TOTAL OBS 65051 |

USAF ETAC

FORM
IUT 64

0-89-5 (OL 1)

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

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

16603

FRUBISHER BAY NWT OUT APT

42-50

STATION

STATION NAME

YEARS

| HRS : LST | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|-----------|--|-------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-------------------------|
| 00-02 | MEAN 12.3-
S D 15.183
TOTAL OBS 416 | 13.1-
15.220
351 | 9.4-
13.104
409 | 2.7
11.474
497 | 20.2
9.685
747 | 32.7
3.724
749 | 39.4
4.227
773 | 39.4
3.732
773 | 32.3
4.602
717 | 23.2
6.963
741 | 13.4
11.791
639 | 3.5-
15.066
538 | 16.4
20.612
7352 |
| 03-05 | MEAN 12.0-
S D 15.031
TOTAL OBS 416 | 13.2-
15.732
344 | 10.8-
12.726
396 | 1.8
11.397
450 | 20.2
9.935
733 | 33.2
3.857
746 | 39.7
4.079
772 | 39.2
3.763
772 | 31.8
4.749
716 | 23.1
6.757
742 | 13.4
11.912
633 | 3.2-
14.994
508 | 18.6
20.704
7223 |
| 06-08 | MEAN 11.6-
S D 15.548
TOTAL OBS 491 | 11.2-
16.114
382 | 7.2-
13.303
477 | 4.2
11.584
585 | 22.6
9.343
770 | 34.9
4.108
746 | 41.6
4.503
773 | 40.9
3.997
773 | 32.8
4.673
718 | 23.2
6.883
743 | 13.4
11.804
640 | 3.4-
14.698
571 | 18.7
21.198
7671 |
| 09-11 | MEAN 12.0-
S D 15.514
TOTAL OBS 540 | 10.0-
16.158
423 | 3.5-
12.904
504 | 8.3
10.812
627 | 25.8
8.488
774 | 36.8
4.378
750 | 43.7
4.915
771 | 42.7
4.362
773 | 34.6
4.622
720 | 24.6
6.588
738 | 14.1
11.409
641 | 3.5-
14.282
608 | 19.9
21.560
7883 |
| 12-14 | MEAN 11.4-
S D 15.243
TOTAL OBS 530 | 9.5-
15.733
466 | 1.4-
12.903
526 | 10.9
10.182
634 | 27.3
7.811
773 | 38.0
4.737
720 | 44.9
5.297
774 | 43.9
4.555
773 | 35.5
4.750
719 | 25.3
6.462
741 | 14.4
11.414
643 | 3.3-
14.349
610 | 20.8
21.635
7941 |
| 15-17 | MEAN 12.2-
S D 14.998
TOTAL OBS 513 | 10.8-
15.808
497 | 2.5-
13.033
526 | 10.1
9.820
631 | 26.9
7.816
772 | 37.8
4.741
749 | 44.8
5.401
774 | 43.7
4.561
774 | 34.9
4.811
720 | 24.2
6.888
737 | 13.8
11.693
644 | 3.8-
14.558
604 | 20.4
21.834
7903 |
| 18-20 | MEAN 12.4-
S D 15.222
TOTAL OBS 482 | 12.4-
15.850
414 | 7.3-
12.984
484 | 6.5
9.937
551 | 24.7
8.404
760 | 36.4
4.605
750 | 43.5
5.299
774 | 41.9
4.324
774 | 33.4
4.710
720 | 23.3
6.915
740 | 13.3
11.897
643 | 4.3-
14.581
595 | 19.3
21.821
7689 |
| 21-23 | MEAN 13.1-
S D 14.734
TOTAL OBS 423 | 14.0-
15.539
368 | 9.2-
12.516
405 | 3.6
10.529
487 | 22.2
9.001
747 | 34.3
3.970
749 | 41.0
4.622
774 | 40.2
3.782
771 | 32.6
4.642
717 | 23.0
6.993
739 | 13.1
11.946
641 | 4.9-
14.393
555 | 18.8
21.205
7376 |
| ALL HOURS | MEAN 12.1-
S D 15.193
TOTAL OBS 3815 | 11.6-
15.843
3217 | 6.1-
13.346
3727 | 6.4
11.166
4462 | 23.8
9.220
6076 | 35.5
4.709
5989 | 42.3
5.230
6187 | 41.5
4.496
6190 | 33.5
4.856
5747 | 23.7
6.800
5921 | 13.6
11.734
5128 | 3.7-
14.603
4589 | 19.4
21.354
61048 |

USAF ETAC

FORM

JUL 64

0-89-5 (OL1)

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

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

16673 FROBISHER BAY NWT OUT APT
STATION STATION NAME

42-50

YEARS

| HRS | LSI | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-----------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|
| 00-02 | MEAN | 20.6 | 22.5 | 18.6 | 3.9 | 16.2 | 30.4 | 37.2 | 37.4 | 29.7 | 19.5 | 8.2 | 11.9 | 14.4 |
| | S D | 19.880 | 20.631 | 16.705 | 13.852 | 11.401 | 4.522 | 4.164 | 4.041 | 5.805 | 7.879 | 14.397 | 19.284 | 23.677 |
| | TOTAL OBS | 356 | 311 | 395 | 497 | 744 | 749 | 775 | 773 | 717 | 741 | 639 | 524 | 7221 |
| 03-05 | MEAN | 20.4 | 22.5 | 20.8 | 5.3 | 16.3 | 30.8 | 37.5 | 37.3 | 29.3 | 19.4 | 8.1 | 11.9 | 14.4 |
| | S D | 19.978 | 21.077 | 16.643 | 14.104 | 11.366 | 4.307 | 4.051 | 3.916 | 6.001 | 8.084 | 14.454 | 19.791 | 23.985 |
| | TOTAL OBS | 361 | 308 | 388 | 450 | 729 | 746 | 772 | 775 | 716 | 743 | 633 | 498 | 7117 |
| 06-08 | MEAN | 20.0 | 19.7 | 15.7 | 2.4 | 18.7 | 31.9 | 38.8 | 38.5 | 30.1 | 19.5 | 8.1 | 12.5 | 14.3 |
| | S D | 19.970 | 21.389 | 17.150 | 14.140 | 10.813 | 4.635 | 4.250 | 3.927 | 5.912 | 8.278 | 14.381 | 19.993 | 24.221 |
| | TOTAL OBS | 423 | 346 | 465 | 585 | 769 | 746 | 773 | 775 | 718 | 743 | 640 | 564 | 7557 |
| 09-11 | MEAN | 20.2 | 18.2 | 11.7 | 2.2 | 21.9 | 33.2 | 39.7 | 39.0 | 31.2 | 20.6 | 9.1 | 11.3 | 15.3 |
| | S D | 19.881 | 20.978 | 16.485 | 12.887 | 9.932 | 4.732 | 4.550 | 4.164 | 5.744 | 7.984 | 13.619 | 18.221 | 23.912 |
| | TOTAL OBS | 473 | 397 | 498 | 627 | 774 | 750 | 771 | 775 | 720 | 728 | 641 | 591 | 7759 |
| 12-14 | MEAN | 20.2 | 18.0 | 9.8 | 5.1 | 23.4 | 33.7 | 40.1 | 39.6 | 31.7 | 21.3 | 9.3 | 11.4 | 15.8 |
| | S D | 20.138 | 20.686 | 16.927 | 12.057 | 9.291 | 4.815 | 4.875 | 4.632 | 5.659 | 7.831 | 13.854 | 18.178 | 23.954 |
| | TOTAL OBS | 471 | 427 | 518 | 634 | 773 | 750 | 774 | 773 | 720 | 741 | 645 | 597 | 7823 |
| 15-17 | MEAN | 20.2 | 19.1 | 10.7 | 4.3 | 23.0 | 33.7 | 39.9 | 39.2 | 31.4 | 20.5 | 8.8 | 11.7 | 15.5 |
| | S D | 19.055 | 20.634 | 16.549 | 11.645 | 9.216 | 4.643 | 5.050 | 4.632 | 5.752 | 8.057 | 14.310 | 18.424 | 23.908 |
| | TOTAL OBS | 452 | 413 | 514 | 621 | 772 | 749 | 774 | 774 | 720 | 737 | 644 | 594 | 7774 |
| 18-20 | MEAN | 20.7 | 21.6 | 16.5 | .3 | 21.0 | 33.0 | 39.4 | 38.4 | 30.4 | 19.6 | 8.3 | 12.8 | 14.6 |
| | S D | 19.326 | 21.463 | 16.681 | 11.866 | 9.901 | 4.528 | 4.962 | 4.312 | 5.836 | 8.170 | 14.322 | 18.801 | 24.432 |
| | TOTAL OBS | 421 | 371 | 475 | 551 | 759 | 750 | 774 | 774 | 720 | 740 | 645 | 584 | 7564 |
| 21-23 | MEAN | 21.8 | 22.5 | 18.9 | 3.1 | 18.6 | 31.6 | 38.2 | 37.6 | 29.9 | 19.2 | 8.1 | 13.3 | 14.6 |
| | S D | 19.254 | 21.057 | 15.717 | 12.896 | 10.506 | 4.255 | 4.517 | 4.088 | 5.986 | 8.229 | 14.341 | 18.482 | 23.999 |
| | TOTAL OBS | 358 | 312 | 394 | 487 | 741 | 749 | 774 | 771 | 717 | 729 | 642 | 541 | 7225 |
| ALL HOURS | MEAN | 20.5 | 20.3 | 14.9 | .1 | 19.9 | 32.3 | 38.9 | 38.4 | 30.5 | 20.0 | 8.5 | 12.1 | 14.9 |
| | S D | 19.679 | 21.036 | 17.057 | 13.398 | 10.676 | 4.738 | 4.682 | 4.298 | 5.891 | 8.091 | 14.209 | 18.877 | 24.017 |
| | TOTAL OBS | 3325 | 2882 | 3647 | 4462 | 6061 | 5989 | 6187 | 6190 | 5748 | 5922 | 5129 | 4493 | 60026 |

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

RELATIVE HUMIDITY

16603 FROBISHER BAY NWT DDT APT
STATION STATION NAME

42-50

PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 99.7 | 93.9 | 90.7 | 85.7 | 72.5 | 55.7 | 35.1 | 13.3 | 2.7 | 60.3 | 3325 |
| FEB | | 99.8 | 94.9 | 89.1 | 83.1 | 68.6 | 50.5 | 32.9 | 20.7 | 9.2 | 60.6 | 2883 |
| MAR | | 100.0 | 98.4 | 93.5 | 91.0 | 81.8 | 60.6 | 34.1 | 10.0 | 2.0 | 62.9 | 3647 |
| APR | | 100.0 | 99.8 | 99.3 | 98.5 | 93.7 | 86.8 | 63.2 | 25.3 | 3.9 | 72.9 | 4462 |
| MAY | | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 97.0 | 85.0 | 57.2 | 20.9 | 71.1 | 6061 |
| JUN | | 100.0 | 100.0 | 99.9 | 99.6 | 98.4 | 94.5 | 81.6 | 54.8 | 28.2 | 81.3 | 5989 |
| JUL | | 100.0 | 100.0 | 99.8 | 98.7 | 95.8 | 89.0 | 74.3 | 49.2 | 26.3 | 79.1 | 6187 |
| AUG | | 100.0 | 100.0 | 99.9 | 99.5 | 97.4 | 91.6 | 78.4 | 55.3 | 30.6 | 81.0 | 6190 |
| SEP | | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 97.4 | 86.5 | 61.6 | 32.6 | 83.2 | 5747 |
| OCT | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.8 | 89.6 | 59.8 | 18.3 | 81.7 | 5921 |
| NOV | | 100.0 | 100.0 | 99.6 | 98.9 | 97.3 | 92.7 | 74.8 | 42.7 | 14.4 | 77.5 | 5129 |
| DEC | | 99.7 | 96.0 | 93.5 | 90.0 | 83.3 | 70.8 | 48.0 | 16.6 | 3.7 | 65.8 | 4491 |
| TOTALS | | 99.9 | 99.0 | 98.1 | 96.7 | 93.2 | 85.8 | 69.9 | 43.3 | 18.2 | 75.9 | 60032 |

RELATIVE HUMIDITY

JAN
MONTH

| 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 | 00-02 | 100.0 | 93.3 | 90.4 | 85.1 | 68.3 | 50.6 | 27.8 | 9.8 | 3.1 | 58.4 | 356 |
| | 03-05 | 100.0 | 92.8 | 90.3 | 83.9 | 70.9 | 54.8 | 32.7 | 11.4 | 2.8 | 59.3 | 361 |
| | 06-08 | 99.5 | 94.2 | 90.5 | 85.9 | 75.5 | 61.2 | 39.0 | 11.8 | 2.5 | 61.2 | 433 |
| | 09-11 | 99.8 | 93.9 | 91.5 | 87.9 | 76.5 | 61.5 | 37.8 | 13.3 | 2.3 | 61.7 | 473 |
| | 12-14 | 98.9 | 92.6 | 90.0 | 86.2 | 73.7 | 59.7 | 38.6 | 15.9 | 2.3 | 61.1 | 471 |
| | 15-17 | 99.3 | 94.7 | 92.7 | 87.8 | 77.2 | 58.2 | 38.7 | 15.5 | 2.4 | 62.0 | 452 |
| | 18-20 | 100.0 | 94.8 | 90.7 | 84.8 | 68.4 | 51.5 | 36.1 | 16.4 | 4.3 | 60.0 | 421 |
| | 21-23 | 100.0 | 95.0 | 88.5 | 82.1 | 66.2 | 44.1 | 25.7 | 10.9 | 1.7 | 57.1 | 358 |
| TOTALS | | 99.7 | 93.9 | 90.7 | 85.7 | 72.5 | 55.7 | 35.1 | 13.3 | 2.7 | 60.3 | 3325 |

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

RELATIVE HUMIDITY

16603
STATION

FRIDISHER BAY NWT DOT APT
STATION NAME

43-50
PERIOD

FEB
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 | 00-02 | 100.0 | 96.1 | 86.5 | 77.5 | 65.9 | 45.7 | 31.5 | 16.7 | 6.8 | 58.4 | 311 |
| | 03-05 | 99.3 | 93.9 | 86.3 | 81.7 | 65.7 | 48.7 | 32.7 | 17.6 | 6.5 | 58.6 | 306 |
| | 06-08 | 100.0 | 94.2 | 88.7 | 82.9 | 69.7 | 54.0 | 33.5 | 23.1 | 9.2 | 61.3 | 346 |
| | 09-11 | 100.0 | 95.5 | 92.2 | 87.4 | 72.3 | 55.2 | 33.5 | 22.4 | 10.3 | 62.5 | 397 |
| | 12-14 | 99.8 | 96.7 | 91.8 | 86.2 | 70.5 | 50.6 | 33.5 | 22.0 | 11.5 | 62.0 | 427 |
| | 15-17 | 100.0 | 95.9 | 91.8 | 85.7 | 69.7 | 51.1 | 33.7 | 21.5 | 10.9 | 61.9 | 413 |
| | 18-20 | 99.5 | 93.8 | 86.8 | 79.8 | 65.8 | 49.6 | 32.3 | 21.8 | 9.7 | 59.6 | 371 |
| | 21-23 | 99.4 | 92.9 | 86.5 | 80.8 | 67.6 | 47.4 | 29.8 | 18.3 | 7.1 | 58.9 | 312 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.8 | 94.9 | 89.1 | 83.1 | 68.6 | 50.5 | 32.9 | 20.7 | 9.2 | 60.6 | 2883 |

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

RELATIVE HUMIDITY

16603
STATION

FROBISHER BAY NWT DOT APT
STATION NAME

42-46,48-50

PERIOD

MAR
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 | 98.7 | 95.4 | 89.4 | 76.7 | 53.7 | 28.4 | 5.3 | 1.3 | 60.7 | 395 |
| | 03-05 | 100.0 | 98.2 | 93.0 | 86.9 | 74.5 | 50.3 | 27.3 | 6.4 | | 59.2 | 388 |
| | 06-08 | 100.0 | 99.1 | 94.8 | 90.5 | 82.6 | 62.8 | 37.4 | 12.9 | 1.9 | 63.7 | 465 |
| | 09-11 | 100.0 | 98.6 | 97.0 | 93.4 | 86.3 | 67.5 | 41.0 | 14.1 | 3.0 | 65.8 | 498 |
| | 12-14 | 100.0 | 97.5 | 93.0 | 92.7 | 88.2 | 69.1 | 40.0 | 13.5 | 3.5 | 65.5 | 518 |
| | 15-17 | 100.0 | 98.4 | 96.7 | 93.2 | 86.0 | 65.4 | 38.7 | 12.5 | 3.1 | 65.0 | 514 |
| | 18-20 | 100.0 | 98.7 | 95.2 | 90.5 | 79.2 | 57.1 | 30.5 | 7.8 | 1.5 | 61.6 | 475 |
| | 21-23 | 100.0 | 98.2 | 96.4 | 89.6 | 77.2 | 53.3 | 24.4 | 4.3 | .5 | 59.9 | 394 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 98.4 | 95.5 | 91.0 | 81.8 | 60.6 | 34.1 | 10.0 | 2.0 | 62.9 | 3647 |

RELATIVE HUMIDITY

APR
MON

| 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% | | |
| APR | 00-02 | 100.0 | 99.6 | 99.2 | 98.2 | 95.8 | 83.1 | 58.4 | 19.3 | 3.4 | 71.7 | 497 |
| | 03-05 | 100.0 | 99.3 | 98.7 | 96.7 | 94.7 | 82.2 | 54.9 | 16.7 | 2.9 | 70.2 | 450 |
| | 06-08 | 100.0 | 99.7 | 99.1 | 97.9 | 94.0 | 85.8 | 64.1 | 22.6 | 4.4 | 72.4 | 585 |
| | 09-11 | 100.0 | 100.0 | 99.8 | 99.0 | 95.5 | 88.7 | 67.1 | 28.4 | 4.8 | 73.8 | 627 |
| | 12-14 | 100.0 | 100.0 | 99.8 | 99.5 | 97.3 | 89.0 | 67.7 | 33.6 | 5.7 | 74.8 | 634 |
| | 15-17 | 100.0 | 100.0 | 99.8 | 99.4 | 96.7 | 89.2 | 66.6 | 33.0 | 4.0 | 74.5 | 631 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.3 | 96.4 | 88.4 | 63.3 | 24.9 | 3.3 | 73.1 | 551 |
| | 21-23 | 100.0 | 99.8 | 99.2 | 97.5 | 94.9 | 86.2 | 59.8 | 18.7 | 2.3 | 71.6 | 487 |
| TOTALS | | 100.0 | 99.8 | 99.5 | 98.5 | 95.7 | 86.8 | 63.2 | 23.3 | 3.9 | 72.9 | 4462 |

2

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

RELATIVE HUMIDITY

16603
STATION

FROBISHER BAY NWT DOT APT
STATION NAME

42-50
PERIOD

MAY
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% | | |
| MAY | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 96.4 | 85.1 | 57.4 | 19.2 | 81.1 | 744 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.3 | 85.5 | 58.7 | 19.8 | 81.4 | 729 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 99.6 | 90.2 | 86.1 | 55.3 | 20.4 | 81.1 | 769 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 96.8 | 85.3 | 57.6 | 20.0 | 80.8 | 774 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 95.5 | 83.3 | 53.6 | 21.0 | 80.4 | 773 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 96.4 | 82.8 | 53.4 | 21.5 | 80.4 | 772 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.2 | 85.1 | 59.8 | 22.4 | 81.5 | 759 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.5 | 87.0 | 61.8 | 22.9 | 82.2 | 741 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 97.0 | 85.0 | 57.2 | 20.9 | 81.1 | 6061 |

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

RELATIVE HUMIDITY

16603 FROBISHER BAY NWT DCT APT
STATION

42-30

PERIOD

JUN
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% | | |
| JUN | 00-02 | 100.0 | 100.0 | 99.9 | 99.9 | 99.9 | 99.6 | 95.5 | 79.4 | 42.3 | 86.4 | 749 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.1 | 94.9 | 76.8 | 39.4 | 85.9 | 746 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 96.6 | 85.5 | 60.5 | 30.6 | 82.6 | 746 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.7 | 98.5 | 92.9 | 75.5 | 46.4 | 21.6 | 79.0 | 750 |
| | 12-14 | 100.0 | 100.0 | 99.7 | 98.8 | 96.3 | 87.6 | 64.4 | 38.4 | 18.1 | 75.9 | 750 |
| | 15-17 | 100.0 | 100.0 | 99.7 | 98.9 | 95.3 | 88.7 | 66.4 | 41.5 | 18.6 | 76.3 | 749 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.6 | 97.9 | 93.5 | 80.3 | 54.5 | 23.1 | 80.1 | 750 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.9 | 99.5 | 98.0 | 90.9 | 72.9 | 32.3 | 84.4 | 749 |
| TOTALS | | | | | | | | | | | | |
| | | 100.0 | 100.0 | 99.9 | 99.6 | 98.4 | 94.5 | 81.6 | 58.8 | 28.2 | 81.3 | 5989 |

2
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

16603
STATION

FRORISHER BAY NWT DOT APT
STATION NAME

42-50

PERIOD

JUL
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 | 100.0 | 99.9 | 96.8 | 91.5 | 72.9 | 42.2 | 86.0 | 775 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.7 | 93.8 | 72.9 | 40.8 | 86.5 | 772 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 95.3 | 81.8 | 54.5 | 30.5 | 82.1 | 773 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 98.7 | 95.2 | 87.0 | 66.8 | 37.4 | 17.3 | 76.0 | 771 |
| | 12-14 | 100.0 | 100.0 | 99.4 | 96.5 | 91.1 | 78.9 | 54.3 | 28.6 | 14.3 | 72.0 | 774 |
| | 15-17 | 100.0 | 100.0 | 99.4 | 96.4 | 89.7 | 76.7 | 55.0 | 27.5 | 13.8 | 71.6 | 774 |
| | 18-20 | 100.0 | 100.0 | 99.6 | 97.8 | 93.7 | 84.8 | 66.9 | 38.9 | 18.6 | 75.7 | 774 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 97.3 | 93.4 | 84.5 | 60.7 | 32.3 | 82.6 | 774 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.8 | 98.7 | 95.8 | 89.0 | 74.3 | 49.2 | 26.3 | 79.1 | 6187 |

USAF ETAC

FORM
JUL 64

0-87-5 (OL 1)

RELATIVE HUMIDITY

AUG
MONTH

| 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 | 99.7 | 98.6 | 93.3 | 77.7 | 46.6 | 87.0 | 773 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 99.4 | 96.1 | 80.8 | 52.8 | 88.5 | 775 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 98.2 | 90.5 | 63.4 | 33.8 | 84.5 | 775 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.6 | 47.5 | 89.2 | 68.4 | 40.3 | 22.6 | 77.6 | 775 |
| | 12-14 | 100.0 | 100.0 | 99.7 | 98.4 | 93.8 | 81.9 | 60.4 | 34.5 | 16.0 | 74.3 | 773 |
| | 15-17 | 100.0 | 100.0 | 99.5 | 98.1 | 91.6 | 79.2 | 58.8 | 36.0 | 15.6 | 73.7 | 774 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.7 | 98.1 | 88.8 | 72.5 | 47.2 | 23.1 | 78.4 | 774 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 97.8 | 86.9 | 62.9 | 34.6 | 83.7 | 771 |
| TOTALS | | 100.0 | 100.0 | 99.9 | 99.5 | 97.4 | 91.6 | 78.4 | 53.3 | 30.6 | 81.0 | 6190 |

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

RELATIVE HUMIDITY

16603 FROBISHER BAY NWT DOT APT
STATION

42-49

PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
- L.S.T. - | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO OF
OBS |
|--------|---------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| SEP | 00-02 | 100.0 | 100.0 | 100.0 | 99.9 | 99.9 | 99.6 | 94.7 | 70.3 | 37.4 | 85.7 | 717 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.4 | 94.6 | 73.9 | 40.5 | 86.3 | 716 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 90.7 | 68.9 | 35.9 | 85.0 | 718 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.7 | 82.4 | 51.3 | 28.3 | 81.4 | 720 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 92.2 | 74.3 | 44.1 | 25.2 | 78.9 | 719 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 93.5 | 76.5 | 53.6 | 26.9 | 80.2 | 720 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.6 | 87.6 | 62.1 | 30.1 | 83.1 | 720 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 91.2 | 68.8 | 36.1 | 84.8 | 717 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 97.4 | 86.5 | 61.6 | 32.6 | 83.2 | 5747 |

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

RELATIVE HUMIDITY

16603
STATION

FROBISHER BAY NWT UDT APT
STATION NAME

42-49
PERIOD

UCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO OF
OBS |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| UCT | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 89.7 | 63.4 | 19.4 | 82.2 | 741 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.8 | 91.9 | 63.1 | 18.9 | 82.4 | 742 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.2 | 89.8 | 61.1 | 19.7 | 82.0 | 743 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.9 | 99.6 | 98.0 | 86.3 | 53.3 | 15.9 | 80.5 | 738 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.2 | 85.4 | 55.5 | 17.0 | 80.5 | 741 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 91.2 | 58.3 | 18.7 | 81.7 | 737 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.6 | 91.8 | 61.4 | 18.6 | 82.1 | 740 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.1 | 90.7 | 62.0 | 18.4 | 82.0 | 735 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.8 | 89.6 | 59.8 | 18.3 | 81.7 | 5921 |

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

RELATIVE HUMIDITY

16603
STATION

FROBISHER BAY NWT DUT APT
STATION NAME

42-49

PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO OF
OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00-02 | 100.0 | 100.0 | 99.5 | 98.7 | 97.0 | 92.2 | 75.0 | 40.4 | 13.5 | 77.0 | 639 |
| | 03-05 | 100.0 | 99.8 | 99.4 | 99.1 | 97.5 | 92.6 | 73.1 | 40.8 | 14.1 | 77.0 | 633 |
| | 06-08 | 100.0 | 100.0 | 98.9 | 98.9 | 97.8 | 92.0 | 73.9 | 40.9 | 13.4 | 77.0 | 640 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.1 | 98.4 | 92.8 | 76.3 | 43.2 | 11.9 | 77.6 | 641 |
| | 12-14 | 100.0 | 99.8 | 99.5 | 98.9 | 97.5 | 92.2 | 72.9 | 44.2 | 14.4 | 77.5 | 645 |
| | 15-17 | 100.0 | 100.0 | 99.5 | 98.8 | 97.0 | 92.9 | 75.9 | 45.8 | 17.2 | 78.2 | 644 |
| | 18-20 | 100.0 | 100.0 | 99.5 | 98.9 | 97.5 | 92.9 | 74.7 | 44.0 | 15.0 | 77.7 | 645 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 98.8 | 97.4 | 94.4 | 76.6 | 42.4 | 16.0 | 77.9 | 642 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

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

RELATIVE HUMIDITY

16603
STATION

FRUISHER BAY NWT DNT APT
STATION NAME

42-49
PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|--------------|--|------|------|------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| DEC | 00-02 | 100.0 | 96.2 | 93.9 | 88.7 | 82.6 | 67.3 | 43.4 | 14.9 | 4.4 | 65.0 | 523 |
| | 03-05 | 99.2 | 95.0 | 92.8 | 87.8 | 82.5 | 70.9 | 44.0 | 13.1 | 4.8 | 64.7 | 498 |
| | 06-08 | 99.1 | 94.1 | 91.3 | 86.7 | 81.4 | 70.7 | 47.5 | 17.2 | 2.8 | 64.7 | 564 |
| | 09-11 | 99.7 | 96.8 | 93.9 | 91.5 | 84.9 | 73.9 | 51.6 | 18.4 | 3.7 | 67.0 | 591 |
| | 12-14 | 99.7 | 96.6 | 94.0 | 91.1 | 85.2 | 73.7 | 49.7 | 17.1 | 3.9 | 66.7 | 596 |
| | 15-17 | 100.0 | 97.1 | 94.8 | 91.6 | 84.2 | 72.2 | 52.2 | 19.9 | 4.5 | 67.3 | 594 |
| | 18-20 | 100.0 | 95.4 | 93.8 | 91.4 | 83.2 | 69.7 | 48.5 | 16.6 | 2.7 | 65.7 | 584 |
| | 21-23 | 100.0 | 96.3 | 93.5 | 90.6 | 82.3 | 67.5 | 45.5 | 14.6 | 2.6 | 65.0 | 541 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.7 | 96.0 | 93.5 | 90.0 | 83.3 | 70.8 | 48.0 | 16.6 | 3.7 | 65.8 | 4491 |

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

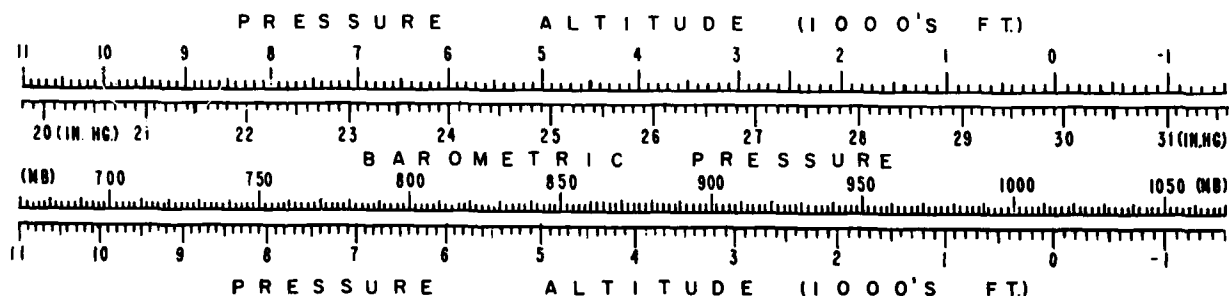
PART F

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
ETAC, 1954
ASHVILLE, GA 28801

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

10003 FARMER BAY NAT MET APT

46-50

| STATION | | STATION NAME | | | | | | | | | | | YEARS | | | | | | | | | | | | | |
|-----------|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|------|--|------|--|------|--|------|--|--------|--|--|
| HRS (LST) | | FEB. | | MAR. | | APR. | | MAY | | JUN. | | JUL. | | AUG. | | SEP. | | OCT. | | NOV. | | DEC. | | ANNUAL | | |
| 01 | | MEAN | 29.740 | 29.724 | 29.869 | 29.894 | 29.770 | 29.723 | 29.677 | 29.683 | 29.618 | 29.718 | 29.727 | 29.745 | | | | | | | | | | | | |
| | | S.D. | .345 | .314 | .251 | .255 | .237 | .201 | .192 | .272 | .309 | .389 | .532 | .310 | | | | | | | | | | | | |
| | | TOTAL OBS | 24 | 118 | 100 | 104 | 155 | 150 | 155 | 155 | 120 | 124 | 120 | 1511 | | | | | | | | | | | | |
| 02 | | MEAN | 29.714 | 29.739 | 29.872 | 29.904 | 29.708 | 29.726 | 29.683 | 29.686 | 29.617 | 29.733 | 29.775 | 29.757 | | | | | | | | | | | | |
| | | S.D. | .390 | .301 | .259 | .249 | .239 | .207 | .195 | .276 | .314 | .391 | .341 | .294 | | | | | | | | | | | | |
| | | TOTAL OBS | 21 | 107 | 97 | 89 | 143 | 150 | 155 | 155 | 120 | 124 | 116 | 1449 | | | | | | | | | | | | |
| 07 | | MEAN | 29.531 | 29.720 | 29.886 | 29.903 | 29.772 | 29.730 | 29.688 | 29.693 | 29.623 | 29.728 | 29.742 | 29.747 | | | | | | | | | | | | |
| | | S.D. | .390 | .324 | .277 | .250 | .236 | .210 | .194 | .203 | .313 | .390 | .329 | .308 | | | | | | | | | | | | |
| | | TOTAL OBS | 54 | 141 | 124 | 114 | 154 | 150 | 155 | 155 | 120 | 124 | 120 | 1619 | | | | | | | | | | | | |
| 1 | | MEAN | 29.830 | 29.720 | 29.887 | 29.905 | 29.764 | 29.721 | 29.679 | 29.685 | 29.618 | 29.729 | 29.744 | 29.746 | | | | | | | | | | | | |
| | | S.D. | .392 | .324 | .278 | .253 | .237 | .208 | .194 | .204 | .311 | .390 | .326 | .304 | | | | | | | | | | | | |
| | | TOTAL OBS | 55 | 141 | 124 | 118 | 155 | 150 | 154 | 155 | 120 | 124 | 120 | 1619 | | | | | | | | | | | | |
| 11 | | MEAN | 29.823 | 29.713 | 29.885 | 29.889 | 29.757 | 29.769 | 29.667 | 29.660 | 29.616 | 29.723 | 29.737 | 29.734 | | | | | | | | | | | | |
| | | S.D. | .397 | .326 | .274 | .261 | .236 | .203 | .193 | .205 | .303 | .390 | .326 | .304 | | | | | | | | | | | | |
| | | TOTAL OBS | 55 | 140 | 124 | 118 | 155 | 150 | 155 | 155 | 120 | 124 | 120 | 1617 | | | | | | | | | | | | |
| 11 | | MEAN | 29.835 | 29.713 | 29.888 | 29.898 | 29.759 | 29.709 | 29.666 | 29.681 | 29.623 | 29.714 | 29.751 | 29.747 | | | | | | | | | | | | |
| | | S.D. | .397 | .331 | .269 | .247 | .234 | .196 | .191 | .200 | .304 | .434 | .324 | .317 | | | | | | | | | | | | |
| | | TOTAL OBS | 55 | 140 | 124 | 117 | 155 | 149 | 155 | 155 | 120 | 124 | 120 | 1617 | | | | | | | | | | | | |
| 1 | | MEAN | 29.846 | 29.721 | 29.892 | 29.900 | 29.763 | 29.716 | 29.676 | 29.694 | 29.629 | 29.713 | 29.756 | 29.744 | | | | | | | | | | | | |
| | | S.D. | .395 | .334 | .262 | .246 | .231 | .192 | .192 | .276 | .303 | .407 | .323 | .305 | | | | | | | | | | | | |
| | | TOTAL OBS | 55 | 140 | 124 | 118 | 155 | 150 | 155 | 155 | 120 | 124 | 120 | 1620 | | | | | | | | | | | | |
| 22 | | MEAN | 29.427 | 29.712 | 29.879 | 29.894 | 29.767 | 29.721 | 29.683 | 29.690 | 29.618 | 29.723 | 29.787 | 29.757 | | | | | | | | | | | | |
| | | S.D. | .402 | .313 | .251 | .232 | .232 | .194 | .189 | .271 | .304 | .390 | .320 | .292 | | | | | | | | | | | | |
| | | TOTAL OBS | 24 | 117 | 94 | 108 | 155 | 150 | 155 | 155 | 120 | 124 | 120 | 1507 | | | | | | | | | | | | |
| ALL HOURS | | MEAN | 29.828 | 29.719 | 29.883 | 29.894 | 29.765 | 29.719 | 29.678 | 29.684 | 29.620 | 29.723 | 29.751 | 29.744 | | | | | | | | | | | | |
| | | S.D. | .394 | .321 | .265 | .251 | .235 | .201 | .192 | .274 | .307 | .397 | .355 | .305 | | | | | | | | | | | | |
| | | TOTAL C | 43 | 1044 | 911 | 891 | 1227 | 1199 | 1239 | 1240 | 960 | 992 | 956 | 12567 | | | | | | | | | | | | |

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM INDIVIDUAL OBSERVATIONS

166 FBI/DOJ 40-30

1210 WS FORM 0-89-5 (OL1)

END

DATE
FILMED

7-81

DTIC