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SURFACE OBSERVATION CLIMATIC SUMMARIES

for

WILLIAMS AFB, ARIZONA

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723



DECEMBER 1991

92-20920



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11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, WILLIAMS AFB, ARIZONA, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SPCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

CONTENTS

INTRODUCTION.....	1
STATION PERIOD OF RECORD.....	1
DATA SOURCES.....	1
TERMS EXPLAINED.....	1
TIME CONVENTIONS.....	2
ABBREVIATIONS.....	2
SUMMARY DESCRIPTIONS.....	2
STATION HISTORY.....	3
PART A - ATMOSPHERIC PHENOMENA SUMMARIES.....	A-1-1
SPECIFIED PHENOMENA	
PERCENT OCCURRENCE FREQUENCY (FROM HOURLY OBS).....	A-2-1
PERCENT OCCURRENCE FREQUENCY (FROM SOD DATA).....	A-3-1
PERCENT OCCURRENCE FREQUENCY (THUNDERSTORMS).....	A-4-1
VERSUS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.....	A-5-1
PART B - PRECIPITATION, SNOWFALL, AND SNOW DEPTH.....	B-1-1
PRECIPITATION	
PERCENT OCCURRENCE FREQUENCY.....	B-2-1
MONTHLY TOTALS.....	B-2-2
DAILY EXTREMES.....	B-2-3
SNOWFALL	
PERCENT OCCURRENCE FREQUENCY.....	B-3-1
MONTHLY TOTALS.....	B-3-2
DAILY EXTREMES.....	B-3-3
SNOW DEPTH	
PERCENT OCCURRENCE FREQUENCY.....	B-4-1
DAILY EXTREMES.....	B-4-2
SNOWFALL/SNOW DEPTH	
FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR.....	B-5-1
PART C - SURFACE WIND	
PEAK WINDS (FROM SOD DATA).....	C-2-1
PEAK WINDS--PERCENT OCCURRENCE FREQUENCY (FROM SOD DATA).....	C-3-1
WIND DIRECTION VS WIND SPEED--POF (FROM HOURLY OBS).....	C-4-1
PART D - CEILING, VISIBILITY AND SKY COVER	
CEILING VS VISIBILITY--POF (FROM HOURLY OBS).....	D-2-1
SKY COVER--POF (FROM HOURLY OBS).....	D-3-1

PART E - TEMPERATURE AND RELATIVE HUMIDITY.....	E-1-1
TEMPERATURES--CUMULATIVE POP (FROM SOD DATA)	
MAXIMA.....	E-2-1
MINIMA.....	E-2-2
MEAN.....	E-2-3
MONTHLY TEMPERATURES (FROM SOD DATA)	
MAXIMA.....	E-3-1
MINIMA.....	E-3-2
MEAN.....	E-4-1
DRY BULB, WET BULB, DEW POINT TEMPERATURES (FROM HOURLY OBS)	
DRY BULB.....	E-5-1
WET BULB.....	E-5-2
DEW POINT.....	E-5-3
RELATIVE HUMIDITY (FROM HOURLY OBS)	
CUMULATIVE PERCENT OCCURRENCE FREQUENCY.....	E-6-1
PART F - PRESSURE (FROM HOURLY OBS).....	F-1-1
SEA LEVEL PRESSURE.....	F-2-1
ALTIMETER SETTING.....	F-3-1
STATION PRESSURE.....	F-4-1
PART G - CROSSWIND SUMMARIES (FROM HOURLY OBS).....	G-1-1
PERCENT OCCURRENCE FREQUENCY.....	G-2-1
PART H - DEGREE DAY SUMMARIES (FROM HOURLY OBS).....	H-1-1
HEATING DEGREE DAYS.....	H-2-1
COOLING DEGREE DAYS.....	H-3-1

*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY DATA: APR 81 - MAR 91 (AIRWAYS).

SUMMARY OF DAY DATA: MAR 42 - DEC 60, MAY 63 - SEP 65, FEB 75 - AUG 77 (FULL TIME).

SUMMARY OF DAY DATA: JAN 61 - APR 63, OCT 65 - JAN 75, SEP 77 - MAR 91 (PART TIME).

HOURS SUMMARIZED: 0400 LST THROUGH 2100 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMNR
722786	WILLIAMS AFB, AZ	N 33 19	W 111 39	1385	IWA	

STATION LOCATION AND INSTRUMENTATION HISTORY									
Nbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Williams Field, Chandler AZ	AAF	Mar 42	Sep 44	N 33 19	W 111 39	1345	1351	24
2	Same	Same	Oct 44	Apr 53	Same	Same	1339	Same	24
3	Williams AFB, AZ	AFB	Apr 53	Apr 54	Same	Same	1360	Same	24
4	Same	Same	Apr 54	Mar 59	Same	Same	1362	Same	24
5	Same	Same	Mar 59	Dec 60	Same	Same	1371	Same	24
6	Same	Same	Jan 61	Apr 63	Same	Same	1385	Same	15
7	Same	Same	May 63	Sep 65	Same	Same	Same	Same	24
8	Same	Same	Oct 65	Dec 79	Same	Same	Same	Same	17
9	Same	Same	Jan 80	Jan 88	Same	Same	Same	Same	17

Nbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 42	Atop Operations Building	Anemometer	ML-144	35 ft	
2	Jul 45	Same	Selsyn	Same	25 ft	
3	Apr 53	In weather station	Same	ML-144B	48 ft	
4	Apr 56	Atop Base Operations	Selsyn	Same	65 ft	
5	Apr 57	Atop weather station	Same	Same	40 ft	
6	Apr 59	Same	Same	Same	35 ft	
7	Jan 61	750' NE rwy NW-SE	AN/GMQ-11	RO-2	13 ft	
8	Apr 62	On SE end of NW-SE rwy	Same	Same	9 ft	
9	Apr 64	Same	Same	Same	13 ft	
10	Jan 71	2000' NE ROS between rwys 12C & 12R	AN/GMQ-20	RO-362	13 ft	
11	Jan 72	750' SW of ctrln, 4000' fm end of rwy 12	Same	Same	Same	
12	Jan 88	Same	Same	Same	Same	

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

A - 1 - 1

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05		2.2				2.2	2.5				4.7	406
06-08		2.9				2.9	4.2				7.1	719
09-11		2.3				2.3	3.8			.1	6.3	895
12-14		1.9				1.9	1.2	.4		.3	3.9	896
15-17	.1	4.1				4.1	1.5			.1	5.8	781
18-20		3.3				3.3	1.2	.6		.2	5.2	521
21-23		5.4				5.4					5.4	37
ALL HOURS	.0	2.8				2.8	2.4	.2		.1	5.5	4255

MONTH: FEB

00-02												0
03-05		3.1				3.1	1.3			.3	4.7	383
06-08		3.4				3.4	.9				4.3	669
09-11		2.5				2.5	1.1				3.6	828
12-14	.1	2.4				2.4	.2			.1	2.8	828
15-17	.3	2.6			.1	2.7	.3			.1	3.1	740
18-20	.2	3.7				3.7					3.7	515
21-23		4.7				4.7					4.7	85
ALL HOURS	.1	2.9			.0	2.9	.6			.1	3.6	4048

A - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	RAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05		5.1				5.1					5.1	447
06-08		5.4				5.4	.3				5.6	779
09-11		3.6				3.6	.4				4.0	927
12-14	.2	3.2				3.2	.2			.3	3.8	929
15-17	.2	3.8			.1	3.9	.1	.1		.4	4.5	845
18-20		3.2				3.2				.2	3.4	616
21-23	.8	5.4				5.4				.8	6.2	129
ALL HOURS	.1	4.0			.0	4.0	.2	.0		.2	4.4	4672

MONTH: APR

00-02												0
03-05												430
06-08	.1	2.4				2.4					2.4	744
09-11		1.3				1.3	.1			.2	1.7	900
12-14	.1	1.7				1.7				.6	2.2	900
15-17	.1	1.4				1.4	.1			1.2	2.7	804
18-20	.3	1.9				1.9	.2			.2	2.2	588
21-23		2.3				2.3					2.3	133
ALL HOURS	.1	1.6				1.6	.1			.4	2.0	4499

A - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05	.7	1.4				1.4					1.4	422
06-08	.3	1.0				1.0					1.0	732
09-11		.2				.2					.2	909
12-14		.3				.3					.3	908
15-17	.5	1.0				1.0				.6	1.6	790
18-20	.8	1.4				1.4				.3	1.7	591
21-23												148
ALL HOURS	.3	.8				.8				.2	.9	4500

MONTH: JUN

00-02												0
03-05		.5				.5					.5	435
06-08	.1	.7				.7					.7	737
09-11		.4				.4					.4	900
12-14		.2				.2					.2	900
15-17												798
18-20	1.0	1.0				1.0				.6	1.6	627
21-23	.6	1.2				1.2				.6	1.8	169
ALL HOURS	.2	.5				.5				.1	.6	4566

A - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05	1.9	3.8				3.8				.2	4.0	426
06-08	.5	1.9				1.9				.1	2.1	728
09-11	.2	.8				.8				.1	.9	906
12-14	.6	.7				.7				.1	.8	908
15-17	1.8	.7				.7				.5	1.2	814
18-20	3.8	3.8				3.8				2.2	6.0	651
21-23	7.3	6.1				6.1				.6	6.7	164
ALL HOURS	1.5	1.8				1.8				.5	2.3	4597

MONTH: AUG

00-02												0
03-05	1.5	1.5				1.5					1.5	460
06-08	.8	2.5				2.5	.4				2.9	771
09-11	.4	1.2				1.2					1.2	930
12-14	.2	1.4				1.4	.1				1.5	930
15-17	1.7	1.1				1.1				.7	1.8	839
18-20	4.3	2.9				2.9			.2	1.8	4.9	657
21-23	4.4	3.8				3.8				1.3	5.0	159
ALL HOURS	1.4	1.8				1.8	.1		.0	.4	2.3	4746

A - 2 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

HOURS (LST)	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05	.5	1.2				1.2					1.2	420
06-08	1.3	2.2				2.2					2.2	716
09-11	.8	2.2				2.2		.1		.2	2.5	879
12-14	.5	1.7				1.7				.1	1.8	879
15-17	1.5	2.3				2.3				.4	2.7	783
18-20	2.5	3.4				3.4				.3	3.7	590
21-23	1.4	2.8				2.8					2.8	143
ALL HOURS	1.2	2.2				2.2		.0		.2	2.4	4410

MONTH: OCT

00-02												0
03-05	.5	2.8				2.8					2.8	426
06-08	.5	2.0				2.0	.1				2.2	743
09-11	.3	1.7				1.7				.1	1.8	909
12-14	.7	2.0				2.0			.1	.2	2.3	909
15-17	.4	2.3				2.3	.1				2.5	810
18-20	.7	2.1				2.1					2.1	566
21-23		1.2				1.2					1.2	83
ALL HOURS	.5	2.1				2.1	.0		.0	.1	2.2	4446

A - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

BOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05	.3	2.3				2.3	.3				2.6	391
06-08	.4	3.1				3.1	.6				3.6	688
09-11		3.1				3.1	.8	.1			4.0	850
12-14		2.6				2.6	.7			.1	3.4	855
15-17	.1	2.5				2.5	.3			.7	3.4	756
18-20	.2	2.4				2.4				.2	2.6	507
21-23		4.5				4.5					4.5	44
ALL BOURS	.1	2.7				2.7	.5	.0		.2	3.4	4091

MONTH: DEC

00-02												0
03-05		2.8				2.8	1.8				4.6	326
06-08	.3	4.6		.2		4.7	2.7	.2			7.6	658
09-11	.1	4.5		.1		4.6	3.7	.6			8.9	864
12-14	.1	3.1		.2		3.4	1.8	.5			5.7	865
15-17	.1	3.5		.1		3.6	1.2	.3			5.1	745
18-20	.5	5.2		.2		5.4	.2				5.7	405
21-23	2.4	2.4		2.4		4.8					4.8	42
ALL BOURS	.2	3.9		.2		4.1	2.1	.3			6.5	3905

A - 2 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.0	2.8				2.8	2.4	.2		.1	5.5	4255
FEB	.1	2.9			.0	2.9	.6			.1	3.6	4048
MAR	.1	4.0			.0	4.0	.2	.0		.2	4.4	4672
APR	.1	1.6				1.6	.1			.4	2.0	4499
MAY	.3	.8				.8				.2	.9	4500
JUN	.2	.5				.5				.1	.6	4566
JUL	1.5	1.8				1.8				.5	2.3	4597
AUG	1.4	1.8				1.8	.1		.0	.4	2.3	4746
SEP	1.2	2.2				2.2		.0		.2	2.4	4410
OCT	.5	2.1				2.1	.0		.0	.1	2.2	4446
NOV	.1	2.7				2.7	.5	.0		.2	3.4	4091
DEC	.2	3.9		.2		4.1	2.1	.3			6.5	3905
ANNUAL	.5	2.2		.0	.0	2.2	.5	.0	.0	.2	3.0	52735

A - 2 - 7

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-6101,6305-9103
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.7	17.2		.1	.2	17.2	5.8	2.1			20.8	1260
FEB	1.8	16.8			.8	16.8	2.5	.4		.3	17.8	1131
MAR	2.2	17.1		.2	.5	17.1	1.7	.3		.1	17.7	1262
APR	2.5	10.8			.3	10.8	.8	.3		.2	11.1	1179
MAY	3.3	7.6			.2	7.6		.1		.4	7.7	1225
JUN	4.1	6.1			.2	6.2				.9	6.5	1201
JUL	18.1	25.6			.1	25.6	.2	.1		1.9	26.2	1244
AUG	17.0	24.2				24.2	.6	.1		2.6	25.3	1268
SEP	9.4	15.2			.3	15.2	.7	.4		1.6	16.2	1191
OCT	4.2	13.2			.2	13.2	1.3	.7		.3	14.1	1239
NOV	1.5	11.6			.1	11.6	2.8	1.8			14.4	1177
DEC	1.3	15.1		.3	.4	15.1	4.8	2.5			18.4	1198
ANNUAL	5.6	15.1		.0	.3	15.1	1.8	.7		.7	16.4	14575

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91

..... HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05					.7		1.9	1.5	.5	.5	.3	
06-08				.1	.3	.1	.5	.8	1.3	.5	.4	.3
09-11							.2	.4	.8	.3		.1
12-14		.1	.2	.1			.6	.2	.5	.7		.1
15-17	.1	.3	.2	.1	.5		1.8	1.7	1.5	.4	.1	.1
18-20		.2		.3	.8	1.0	3.8	4.3	2.5	.7	.2	.5
21-23			.8			.6	7.3	4.4	1.4			2.4
ALL HOURS	.0	.1	.1	.1	.3	.2	1.5	1.4	1.2	.5	.1	.2
TOTAL OBS	4255	4048	4672	4499	4500	4566	4597	4746	4410	4446	4091	3905
.....												

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS	
TSIMS						100.0	1	
LIQUID PRECIP	13.6		11.9	24.6	22.0	28.0	118	
FREEZING PRECIP								
FROZEN PRECIP								
FOG	31.1		6.8	30.1	12.6	19.4	103	
FOG WITH VIS GE 1/2 MILES	32.2		5.6	26.7	13.3	22.2	90	
TOTAL OBS	1241	0	461	1291	477	785	0	4255

MONTH: FEB HOURS: ALL

TSTIME					80.0	20.0		5
LIQUID PRECIP	12.2		7.8	51.3	10.4	18.3		115
FREEZING PRECIP								
FROZEN PRECIP								
FOG	41.7			25.0		33.3		24
FOG WITH VIS GE 1/2 MILES	36.4			27.3		36.4		22
TOTAL OBS	946	0	389	1407	510	796	0	4048

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS	20.0			20.0		60.0	5
LIQUID PRECIP	10.9		24.5	20.7	25.5	18.5	184
FREEZING PRECIP							
FROZEN PRECIP							
FOG			33.3		55.6	11.1	9
FOG WITH VIS GE 1/2 MILES			33.3		55.6	11.1	9
TOTAL OBS	714	0	407	1496	791	1264	4672

MONTH: APR HOURS: ALL

TSTMS			20.0	20.0	40.0	20.0	5
LIQUID PRECIP	3.1		13.8	26.2	27.7	29.2	65
FREEZING PRECIP							
FROZEN PRECIP							
FOG					33.3	66.7	3
FOG WITH VIS GE 1/2 MILES					33.3	66.7	3
TOTAL OBS	566	0	306	1419	876	1332	4499

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSIMS	7.1		21.4	35.7		35.7	14
LIQUID PRECIP	15.4		19.2	34.6	11.5	19.2	26
FREEZING PRECIP							
FROZEN PRECIP							
FOG							
FOG WITH VIS GE 1/2 MILES							
TOTAL OBS	434	0	273	1389	946	1458	4500

MONTH: JUN HOURS: ALL

TSIMS			25.0	37.5	37.5		8
LIQUID PRECIP	6.3		56.3	18.8	6.3	12.5	16
FREEZING PRECIP							
FROZEN PRECIP							
FOG							
FOG WITH VIS GE 1/2 MILES							
TOTAL OBS	420	0	298	1355	791	1702	4566

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
STMS			28.2	23.9	22.5	25.4	71
LIQUID PRECIP	16.1		17.9	37.5	17.9	10.7	56
FREEZING PRECIP							
FROZEN PRECIP							
FOG							
FOG WITH VIS LE 1/2 MILES							
TOTAL OBS	516	0	276	1165	728	1912	4597

MONTH: AUG HOURS: ALL

STMS	5.9		13.2	45.6	19.1	16.2	68
LIQUID PRECIP	3.4		13.8	58.6	15.5	8.6	58
FREEZING PRECIP							
FROZEN PRECIP							
FOG				75.0	25.0		4
FOG WITH VIS LE 1/2 MILES				75.0	25.0		4
TOTAL OBS	549	0	317	1502	765	1613	4746

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS	2.0		21.6	35.3	21.6	19.6	51
LIQUID PRECIP	9.0		31.3	31.3	10.4	17.9	57
FREEZING PRECIP							
FROZEN PRECIP							
FOG							
FOG WITH VIS GE 1/2 MILES							
TOTAL OBS	598	0	284	1604	662	1262	4410

MONTH: OCT HOURS: ALL

TSTMS	4.5		18.2	27.3	18.2	31.8	22
LIQUID PRECIP	5.2		19.5	45.5	15.6	14.3	77
FREEZING PRECIP							
FROZEN PRECIP							
FOG			50.0		50.0		2
FOG WITH VIS GE 1/2 MILES			50.0		50.0		2
TOTAL OBS	1175	0	299	1418	614	940	4446

A - 5 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS			33.3	16.7		50.0	6
LIQUID PRECIP	4.7		12.1	33.6	32.7	16.8	107
FREEZING PRECIP							
FROZEN PRECIP							
FOG	40.0			35.0	15.0	10.0	20
FOG WITH VIS GE 1/2 MILES	44.4			27.8	16.7	11.1	18
TOTAL OBS	1248	0	350	1259	425	809	0 4091

MONTH: DEC HOURS: ALL

TSTMS	25.0			50.0	12.5	12.5	8
LIQUID PRECIP	16.0		16.7	36.7	19.3	11.3	150
FREEZING PRECIP							
FROZEN PRECIP			28.6	14.3	42.9	14.3	7
FOG	37.8		12.2	26.8	13.4	9.8	82
FOG WITH VIS GE 1/2 MILES	37.5		11.3	27.5	13.8	10.0	80
TOTAL OBS	1282	0	333	1190	387	713	0 3905

A - 5 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSMS	3.8		19.7	33.0	20.5	23.1	264
LIQUID PRECIP	10.3		17.6	34.4	20.1	17.6	1039
FREEZING PRECIP							
FROZEN PRECIP			28.6	14.3	42.9	14.3	7
FOG	32.8		8.5	27.9	14.2	16.6	247
FOG WITH VIS GE 1/2 MILES	32.9		7.9	26.3	14.9	18.0	228
TOTAL OBS	9689	0	3993	16495	7972	14586	0 52735

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	BBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	BBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBB
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	BBBBBBBB
PP	AAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBB

B - 1 - 1

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-6101,6305-9103
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	79.4	80.3	80.8	87.4	92.2	93.9	70.7	71.6	83.0	85.0	86.5	83.0	82.8
TRACE	6.8	6.9	6.6	5.4	4.7	3.8	14.6	12.7	6.9	5.5	5.0	4.3	7.0
.01	1.4	.9	1.1	1.7	.5	.4	1.9	1.7	.9	.5	.6	1.5	1.1
.02-.05	3.5	2.7	1.7	1.5	1.1	.8	4.4	4.8	2.1	2.4	1.8	2.3	2.4
.06-.10	1.3	2.2	2.3	1.1	.4	.2	2.4	1.7	1.2	1.4	1.2	1.8	1.4
.11-.25	3.6	3.1	3.4	1.3	.7	.6	3.1	2.8	3.0	2.5	1.9	2.8	2.4
.26-.50	2.6	2.2	2.4	1.2	.4	.3	1.7	2.2	.8	1.4	1.7	2.4	1.6
.51-1.00	1.4	1.3	1.2	.4	.1	.1	1.0	1.7	1.1	1.1	1.1	1.5	1.0
1.01-2.50	.1	.3	.5	.1			.1	.8	1.0	.3	.3	.2	.3
2.51-5.00								.1					.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	13.8	12.8	12.5	7.2	3.2	2.3	14.6	15.7	10.2	9.5	8.6	12.7	10.3
TOTAL NO. OF OBSERVATIONS	1319	1168	1310	1265	1352	1323	1353	1376	1309	1317	1270	1301	15663

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-6101,6305-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42			TRACE	1.29	.00	.00	1.11	1.94	.43	.31	.00	.23	5.31*
43	.71	.10	.51	TRACE	TRACE	TRACE	.16	1.08	2.06	.14	.00	1.03	5.79
44	.28	1.71	1.12	.51	.68	.00	.46	.30	.65	.26	.96	.60	7.53
45	.87	.19	1.03	TRACE	.00	.00	.19	.58	TRACE	.58	.00	.56	4.00
46	.88	.12*		.05	.00	.00	.48	1.15	3.19	.39	1.56	.59	8.41*
47	TRACE	.77	TRACE	TRACE	.16	.00	.03	4.11	1.00	.38	.33	.68	7.46
48	.00	1.36	.12	.00	.00	TRACE	.55	.65	TRACE	.14	.00	.66	3.48
49	1.18	.05	.34	.29	TRACE	.67	.33	1.07	.62	.14	.64	1.48	6.81
50	.60	.88	.13	.00	.02	TRACE	.51	.66	.71	.00	TRACE	TRACE	3.51
51	1.62	.13	.41	1.50	.04	.00	1.51	5.05	.12	.16	.63	.65	11.82
52	.90	.37	1.35	1.19	TRACE	.18	.44	.16	.70	.00	3.26	.60	9.15
53	.30	.53	.54	.03	TRACE	TRACE	2.20	.21	.00	TRACE	.19	.16	4.16
54	.77	.97	1.47	.07	.17	.02	1.09	1.70	2.12	.03	TRACE	.05	8.46
55	2.28	.10	TRACE	TRACE	TRACE	.27	2.87	2.95	.01	.05	.08	.32	8.93
56	1.08	.75	.00	.14	TRACE	TRACE	.51	TRACE	TRACE	.28	.00	.02	2.78
57	1.72	.36	.68	.15	.48	.34	.80	.58	TRACE	3.78	.04	.42	9.35
58	TRACE	1.16	1.37	.67	TRACE	.18	.17	.30	3.10	.19	.26	.00	7.40
59	.24	1.05	TRACE	.09	TRACE	.02	.37	2.73	.20	1.76	.24	4.34	11.04
60	1.67	.13	.22	TRACE	TRACE	TRACE	1.02	.92	.17	1.08	TRACE	.10	5.31
61	.00*												.00*
63					TRACE	.00	.05	1.32	.15	.76	1.46	.06	3.80*
64	.33	TRACE	.43	TRACE	TRACE	.00	1.55	1.32	1.64	.57	.80	.73	7.37
65	1.04	1.11	.89	1.18	.22	.21	.16	.90	.32	*	.35*	1.16*	7.54*
66	.08*	.36*	.04*	TRACE*	TRACE*	.04*	.09*	.03*	.75*	.53*	TRACE*	.03*	1.95*
67	.16*	*	.57*	TRACE*	TRACE*	TRACE*	.04*	.04*	.02*	.07*	.03*	1.27*	2.20*
68	.14*	.45*	TRACE*	TRACE*	TRACE*	*	.08*	.15*	*	.20*	1.00*	.01*	2.03*
69	1.49*	.15*	.14*	.01*	.53	.00	.44	.76	1.17	.23	.75	.59	6.26*
70	TRACE	.26	2.60	.06	.00	.13	.30	.19	2.76	.61	.04	.31	7.26
71	.15	.24	TRACE	.30	TRACE	.00	.52	4.15	2.06	1.41	.03	.34	9.20
72	.00	TRACE	.00	.00	.02	.13	.33	1.61	.22	3.57	.99	1.40	8.27
73	.34	2.30	2.76	.02	.01	.05	.23	.18	.00	.00	.81	.00*	6.70*
74	1.25	TRACE	1.50	TRACE	TRACE	.00	2.11	.05	.34	1.27	.05	.53*	7.10*
75	.03	1.37	1.59	.96	TRACE	.00	1.58	.08	.63	.08	1.39	.62	8.33

B - 2 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-6101,6305-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.03	1.23	.26	1.24	.72	.22	.43	1.74	1.35	.40	.33	.69	8.64
77	.40	TRACE	.53	.01	.19	.02	.07	.41	1.00	.58	.20	.88*	4.29*
78	3.01	3.16	2.27	.57	.04	.28	.96	.40	.01	1.10	1.88	3.91*	17.59*
79	2.56	.26	1.90	.13	.51	.01	.21	1.31	.02	.13	.45	.18	7.67
80	1.83	2.13	.99	.25	.30	TRACE	.51	.11	.49	.18	.00	.14	6.93
81	.65	1.29	1.23	.30	.17	.02	.99	.40	.15	.48	.91	.00*	6.59*
82	1.29	.73	1.94	TRACE	.09	.00	.70	2.47	.93	TRACE	1.34	1.76*	11.25*
83	.81	.96	3.52	.04	.00	.00	.98	2.58	3.64	1.55	.55	.92*	15.55*
84	.26	.00	.00	1.32	.01	.59	1.55	1.20	3.73	.36	.64	3.99	13.65
85	.72	.22	.52	.10	.15	TRACE	1.35	.03	2.32	.93	1.48	.76	8.58
86	.01	1.55	1.78	TRACE	.02	.09	1.51	.71	.49	2.75	.06	1.48*	10.45*
87	.96	2.89	.07	.22	.24	.17	.10	1.22	.19	.33	1.39	1.16	8.94
88	.65	.35	.07	1.89	.00	.03	.44	.80	.00	1.61	.72	.21	6.77
89	1.14	.01	1.11	.00	.05	.00	.11	.03	.46	.43	.23	.35	3.92
90	1.17	1.05	.75	.55	.15	.18	.77	3.22	1.31	.02	.94	1.62	11.73
91	.84	.81	2.20										3.85*

B - 2 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-6101,6305-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.00	.00	.00	.00	.00	.00	.03	TRACE	.00	.00	.00	.00	2.78
GREATEST	3.01	3.16	3.52	1.89	.72	.67	2.87	5.05	3.73	3.78	3.26	4.34	17.59
MEAN	.82	.79	.91	.36	.11	.09	.74	1.21	.92	.67	.60	.73	7.56
MEDIAN	.75	.73	.61	.10	.01	TRACE	.51	.85	.49	.36	.33	.59	7.53
SD	.729	.796	.894	.515	.191	.152	.649	1.220	1.075	.893	.681	.955	2.610
TOTAL OBS	1319	1168	1310	1265	1352	1323	1353	1376	1309	1317	1270	1301	15663

THE GREATEST VALUE OF 5.05 OCCURRED ON 08/51

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-6101,6305-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42			TRACE	1.18	.00	.00	.43	1.18	.21	.18	.00	.14	1.18*
43	.44	.10	.43	TRACE	TRACE	TRACE	.16	.49	1.10	.13	.00	.54	1.10
44	.28	.56	.40	.39	.65	.00	.24	.16	.65	.14	.43	.55	.65
45	.51	.08	.45	TRACE	.00	.00	.10	.28	TRACE	.53	.00	.36	.53
46	.45	.08*		.02	.00	.00	.30	.31	1.74	.26	1.10	.53	1.74*
47	TRACE	.49	TRACE	TRACE	.16	.00	.02	1.78	.97	.22	.15	.20	1.78
48	.00	.70	.08	.00	.00	TRACE	.55	.35	TRACE	.14	.00	.45	.70
49	.42	.02	.26	.29	TRACE	.40	.26	1.07	.35	.08	.34	.65	1.07
50	.27	.46	.07	.00	.02	TRACE	.39	.66	.21	.00	TRACE	TRACE	.66
51	1.14	.11	.33	.50	.04	.00	1.40	2.64	.12	.10	.52	.21	2.64
52	.65	.33	.38	.60	TRACE	.18	.20	.07	.70	.00	1.39	.33	1.39
53	.22	.41	.37	.02	TRACE	TRACE	1.75	.07	.00	TRACE	.19	.16	1.75
54	.35	.53	1.03	.07	.17	.01	.60	.62	1.47	.03	TRACE	.03	1.47
55	.69	.09	TRACE	TRACE	TRACE	.24	.88	1.36	.01	.03	.04	.31	1.36
56	.73	.22	.00	.07	TRACE	TRACE	.38	TRACE	TRACE	.12	.00	.02	.73
57	.47	.25	.29	.14	.22	.34	.37	.43	TRACE	.95	.03	.31	.95
58	TRACE	.93	.40	.22	TRACE	.15	.12	.14	1.60	.15	.21	.00	1.60
59	.22	.65	TRACE	.09	TRACE	.02	.20	1.19	.18	.83	.17	1.17	1.19
60	.94	.06	.22	TRACE	TRACE	TRACE	.67	.40	.17	.36	TRACE	.07	.94
61	.00*												.00*
63					TRACE	.00	.05	.41	.12	.63	.62	.06	.63*
64	.28	TRACE	.20	TRACE	TRACE	.00	.97	.30	1.22	.38	.65	.43	1.22
65	.47	.91	.46	.53	.22	.21	.09	.88	.12	*	.22*	.34*	.91*
66	.04*	.19*	.04*	TRACE*	TRACE*	.03*	.09*	.03*	.71*	.53*	TRACE*	.02*	.71*
67	.16*	*	.57*	TRACE*	TRACE*	TRACE*	.04*	.04*	.02*	.07*	.03*	.44*	.57*
68	.14*	.34*	TRACE*	TRACE*	TRACE*	*	.05*	.15*	*	.20*	.59*	.01*	.59*
69	.59*	.15*	.14*	.01*	.48	.00	.14	.30	.38	.13	.34	.26	.59*
70	TRACE	.22	1.03	.05	.00	.13	.14	.17	1.76	.56	.04	.19	1.76
71	.15	.13	TRACE	.30	TRACE	.00	.19	1.34	.88	.52	.03	.14	1.34
72	.00	TRACE	.00	.00	.02	.08	.29	.75	.12	1.35	.56	.70	1.35
73	.18	.61	.52	.02	.01	.05	.18	.14	.00	.00	.39	.00*	.61*
74	.64	TRACE	.73	TRACE	TRACE	.00	.95	.04	.14	.39	.05	.32*	.95*
75	.03	.88	.59	.31	TRACE	.00	.88	.05	.60	.05	1.06	.46	1.06

B - 2 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-6101,6305-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.03	.78	.26	.92	.35	.22	.39	.78	.56	.32	.31	.66	.92
77	.26	TRACE	.18	.01	.15	.02	.06	.37	.64	.32	.15	.69*	.69*
78	.64	1.53	1.02	.47	.04	.27	.95	.17	.01	.38	.67	2.36*	2.36*
79	.61	.15	.88	.13	.34	.01	.12	1.12	.02	.13	.42	.13	1.12
80	.43	.50	.61	.23	.26	TRACE	.36	.07	.26	.18	.00	.13	.61
81	.61	1.19	.77	.27	.08	.02	.46	.16	.10	.38	.91	.00*	1.19*
82	.52	.31	.60	TRACE	.06	.00	.39	1.08	.35	TRACE	.75	.77*	1.08*
83	.47	.37	1.28	.03	.00	.00	.26	1.00	1.53	1.11	.47	.49*	1.53*
84	.26	.00	.00	.83	.01	.53	.53	.57	1.19	.32	.50	.97	1.19
85	.24	.15	.19	.10	.15	TRACE	.81	.03	1.69	.42	.63	.60	1.69
86	.01	.65	.83	TRACE	.02	.09	.93	.50	.34	2.24	.05	.66*	2.24*
87	.54	1.88	.06	.18	.17	.17	.03	.62	.18	.16	1.06	.54	1.88
88	.57	.29	.05	.91	.00	.03	.17	.71	.00	1.40	.54	.17	1.40
89	.86	.01	1.08	.00	.04	.00	.04	.03	.46	.17	.13	.27	1.08
90	.46	.52	.22	.48	.15	.18	.22	1.10	.60	.02	.53	.73	1.10
91	.34	.67	.43										.67*
GREATEST	1.14	1.88	1.28	1.18	.65	.53	1.75	2.64	1.76	2.24	1.39	2.36	2.64
TOTAL OBS	1319	1168	1310	1265	1352	1323	1353	1376	1309	1317	1270	1301	15663

THE GREATEST VALUE OF 2.64 OCCURRED ON 08/27/51

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-6101,6305-6509,6812-9103
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	100.0
TRACE			.1									.2	.0
0.1-0.4			.1										.0
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													
DAYS WITH MEAS AMTS			.1										.0
TOTAL NO. OF OBSERVATIONS	1225	1074	1177	1140	1224	1200	1223	1240	1183	1189	1141	1174	14190

B - 3 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-6101,6305-6509,6812-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.0	.0*		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0*												.0*
63					.0	.0	.0	.0	.0	.0	.0	.0	.0*
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0*
68												.0*	.0*
69	.0	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0*
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
75	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
76	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-6101,6305-6509,6812-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
91	.0	.0	.0										.0*
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.2
MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0
MEDIAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SD	.000	.000	.032	.000	.000	.000	.000	.000	.000	.000	.000	.000	.038
TOTAL OBS	1225	1074	1177	1140	1224	1200	1223	1240	1183	1189	1141	1174	14190

THE GREATEST VALUE OF .2 OCCURRED ON 03/75

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-6101,6305-6509,6812-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.0	.0*		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0*												.0*
63					.0	.0	.0	.0	.0	.0	.0	.0	.0*
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0*
68												.0*	.0*
69	.0	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0*
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
75	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
76	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-6101,6305-6509,6812-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
91	.0	.0	.0										.0*

GREATEST	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.2
TOTAL OBS	1225	1074	1177	1140	1224	1200	1223	1240	1183	1189	1141	1174	14190

THE GREATEST VALUE OF .2 OCCURRED ON 03/26/75

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 3B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TRACE													
1													
2													
3													
4-6													
7-12													
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	1475	1328	1504	1449	1490	1459	1487	1512	1438	1491	1421	1438	17492

B - 4 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42			0	0	0	0	0	0	0	0	0	0	0*
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0*		0	0	0	0	0	0	0	0	0	0*
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*
62	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
63	0*	0*	0*	0*	0	0	0	0	0	0	0	0	0*
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0*	0	0	0	0	0	0	0	0	0	0	0*
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0*	0	0	0	0	0	0	0	0	0*
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0*	0*
74	0	0	0	0	0	0	0	0	0	0	0	0*	0*
75	0	0	0	0	0	0	0	0	0	0	0	0	0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0*	0*
78	0	0	0	0	0	0	0	0	0	0	0	0*	0*
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0*	0*
82	0	0	0	0	0	0	0	0	0	0	0	0*	0*
83	0	0	0	0	0	0	0	0	0	0	0	0*	0*
84	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0*	0*
87	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0
91	0	0	0										0*
GREATEST	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
TOTAL OBS	1475	1328	1504	1449	1490	1459	1487	1512	1438	1491	1421	1438	17492

THE GREATEST VALUE OF 0 OCCURRED ON 03/01/42

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCCC
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRR	TTTTTTTTTTT	CCCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPPPP	AA AA	RRRRRRRRR	TT	CC
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-6103,6305-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
46	ESE 32	NW *36		SE 42	*	*	*	*	*	*	*	NE 24	SE *42
47	NW 30	WSW 31	S 26	SW 30	ESE 42	SE 30	SSE 40	N 42	SW 36	S 23	S 24	SSE 35	ESE 42
48	SW 24	NNW 36	W 29	WNW 34	SW 22	E 41	SSE 47	ENE 49	SSE 42	ESE 32	NNE 26	NW *27	ENE*49
49	SW *34	SW 19	WSW 46	ENE 31	W 36	NE 37	E 35	SE 35	SSW 45	SSW 31	NW 23	S 33	WSW*46
50	WSW*25	ESE 23	WNW*35	WNW 20	SSW 27	S 28	ENE 35	E 36	NNE*38	SE *26	NNE 31	W 23	NNE*38
51	WNW*26	ESE 26	SW 31	W 35	W 28	W 23	SW 34	E 35	SE 17	SW 26	E 28	S 31	W *35
52	W 40	W 24	SW 32	SW 42	NNW 28	S 31	SE 45	NE 38	SSE 37	SSW 11	S 27	S 22	SE 45
53	NW 29	W 32	SW 28	SSW 34	WNW 29	SW 30	SSE 40	E 42	SSE 33	SSE 36	ESE 39	WNW 51	WNW 51
54	ESE 30	E 28	SSW 40	SSW 38	S 44	SE 37	SSE 54	SE 51	SSE 45	SE 31	SSW 33	W 33	SSE 54
55	ESE 31	WNW 40	W 36	W 40	SSW 33	SE 29	SE 54	E 50	SSE 34	NE 29	NNE 31	WNW 35	SE 54
56	NNW 30	WNW 32	WNW 40	SSE 39	SSW 30	S 29	ESE 40	ESE 40	WSW 34	SSE 33	NW 26	ENE 26	WNW 40
57	SSE 25	SE 38	SE 38	N 31	SE 39	SE 38	SE 50	S 34	SE *23	ESE 30	ENE*29	ESE 20	SE *50
58	WNW 28	NW 35	SSW 32	SSE 37	NNE 35	WNW 27	ESE 23	SSE 50	W 64	E 25	SSE 30	NE 16	W 64
59	WNW 24	SW 41	ESE 30	N 34	NNE 33	S 32	NNW 51	E 50	ESE 20	NE 33	ESE 23	SE 36	NNW 51
60	NW 20	W 32	SSW 24	S 35	WSW 27	ENE 30	E 43	SSE 51	W 37	WNW 30	WSW 32	ENE 23	SSE 51
61	NE *18	N *27	SW *29										SW *29
63					ESE 25	SW 33	NE 35	ENE 42	N 44	WSW 33	SW 28	SSW 25	N *44
64	SSE 28	N 31	S 35	SSE 34	WNW 29	E 44	NE 39	N 40	SE 41	S 33	WSW 32	WSW 31	E 44
65	WNW 32	SW 38	SSW 35	SW 37	SW 35	SSW 43	NNE 39	S 33	S 34	SSW*27	WNW*22	SE 30	SSW*43
66	E 28	SW 27	W 34	SW 40	SSW 30	SSW 27	E 29	S 49	NNW 43	W 28	S 30	S *25	S *49
67	S *27	NNE 30	NW 29	S 33	S 33	S 31	SE *46	E 48	SE 31	ENE 32	SSW 38	S *40	E *48
68	NNE 32	ESE 21	NW 27	SE 31	SSW 29	SSW 35	07/ 37	04/ 57	20/ 35	24/ 40	24/*31	28/ 30	04/*57
69	30/ 35	27/ 42	21/ 41	21/ 34	19/ 36	20/ 34	21/ 37	09/ 38	30/ 54	15/*27	19/*36	02/*12	30/*54
70	01/ 31	08/ 41	19/ 39	29/ 36	12/ 33	04/ 46	26/ 58	06/ 71	16/ 47	10/ 46	09/ 29	19/ 30	06/ 71
71	25/ 25	29/ 46	29/ 38	22/ 33	03/ 44	22/ 25	15/ 47	11/ 61	14/ 60	23/ 38	11/ 24	24/ 28	11/ 61
72	30/ 24	36/ 22	25/ 21	29/ 31	36/ 26	16/ 31	34/ 37	06/ 49	15/ 29	17/ 28	28/ 33	20/ 38	06/ 49
73	24/ 28	20/ 28	22/ 32	28/ 34	36/ 32	36/ 30	09/ 34	22/ 33	27/ 20	18/ 25	27/ 20	09/*20	28/*34
74	19/ 37	32/ 37	20/ 23	29/ 28	20/ 33	20/ 24	22/ 47	13/ 28	12/ 37	15/ 22	24/ 20	34/*18	22/*47
75	07/ 26	28/ 32	29/ 33	33/ 30	22/ 37	22/ 28	22/ 38	11/ 34	33/ 34	12/ 39	19/ 37	27/ 25	12/ 39
76	36/ 31	20/ 30	26/ 38	19/ 43	17/ 48	12/ 42	04/ 42	07/ 45	03/ 38	15/ 34	08/ 24	09/ 23	17/ 48
77	26/ 25	29/ 30	29/ 34	21/ 31	18/ 36	27/ 50	12/ 36	29/ 40	10/ 34	19/ 27	33/ 24	08/*26	27/*50
78	29/ 35	21/ 31	19/ 33	20/ 29	24/ 40	11/ 39	15/ 70	33/ 53	20/ 25	21/ 37	17/ 32	31/*24	15/*70
79	31/ 34	17/ 28	25/ 38	01/ 40	20/ 37	13/ 33	14/ 32	18/ 37	33/ 48	01/ 35	22/ 30	08/ 22	33/ 48
80	18/ 37	20/ 40	32/ 40	29/ 42	20/ 38	13/ 74	12/ 43	03/ 42	06/ 41	23/ 38	30/ 30	08/ 25	13/ 74

C - 2 - 1A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786 STATION NAME: WILLIAMS AFB AZ PERIOD OF RECORD: 4601-6103,6305-9103
LST TO UTC: +07 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
81	10/ 23	18/ 31	21/ 43	21/ 40	17/ 45	07/ 41	21/ 37	05/ 46	34/ 33	22/ 30	09/*24	26/*25	05/*46
82	26/ 33	36/ 31	28/ 30	22/ 31	22/ 26	24/ 26	12/ 46	21/ 43	10/ 29	22/ 18	17/ 50	24/*32	17/*50
83	27/ 33	22/ 32	28/ 32	27/ 35	30/ 28	23/ 27	10/ 32	15/ 70	17/ 42	12/ 32	31/ 30	23/*17	15/*70
84	07/ 23	27/ 29	21/ 29	24/ 30	10/ 59	17/ 36	12/ 43	03/ 54	13/*29	25/ 35	11/ 21	28/ 26	10/*59
85	11/ 24	12/ 30	30/ 32	26/ 30	18/ 30	24/ 25	10/ 40	07/ 36	27/ 40	18/ 35	21/ 39	09/ 15	10/ 40
86	10/ 25	30/ 24	12/ 32	27/ 30	32/ 31	36/ 42	12/ 34	15/ 42	22/ 38	22/ 30	21/ 28	35/*20	36/*42
87	36/ 36	18/ 36	28/ 29	16/ 34	14/ 42	14/ 36	02/ 30	06/ 40	11/ 33	12/ 28	15/ 42	29/ 24	14/ 42
88	21/ 44	09/ 30	36/ 27	13/ 30	22/ 41	35/ 33	36/ 41	33/ 48	13/ 28	31/ 45	22/ 30	07/*31	33/*48
89	36/ 25	19/ 25	25/ 32	24/ 26	18/ 30	18/ 23	19/ 42	10/ 40	09/ 29	28/ 26	02/ 32	09/ 22	19/ 42
90	19/ 30	29/ 28	25/ 32	18/ 28	31/ 29	14/ 38	10/ 51	11/ 56	10/ 47	21/ 21	20/ 35	30/ 26	11/ 56
91	06/ 26	34/ 38	19/ 36										34/*38
GREATEST	21/ 44	29/ 46	WSW 46	19/ 43	10/ 59	13/ 74	15/ 70	06/ 71	W 64	10/ 46	17/ 50	WNW 51	13/ 74
TOTAL OBS	1296	1201	1321	1255	1282	1256	1273	1299	1190	1253	1196	1228	15050

THE PEAK WIND OF 74 FROM 13/ OCCURRED ON 06/29/80

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

C - 2 - 1B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-6103,6305-9103
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	1.4	38.2	36.6	12.5	7.2	2.5	1.1	.5	.2	.0	.0	12.0	10.0	1296
FEB	.3	25.9	41.7	15.9	8.3	4.2	2.1	1.1	.5	.0	.0	13.7	11.0	1201
MAR	.2	13.6	42.8	18.8	12.6	6.7	3.4	1.3	.5	.0	.0	15.6	13.0	1321
APR	.0	2.8	39.0	28.8	14.6	8.3	4.9	1.0	.7	.0	.0	17.3	16.0	1255
MAY	.0	.9	30.8	33.5	19.7	9.1	3.7	1.4	.7	.1	.0	18.3	17.0	1282
JUN	.0	.8	33.8	37.0	15.7	7.4	3.1	1.2	.8	.1	.1	17.7	16.0	1256
JUL	.0	1.2	28.0	28.8	14.8	10.8	7.9	4.2	3.4	.8	.1	20.4	18.0	1273
AUG	.0	2.7	34.9	25.5	13.5	8.9	6.2	4.2	3.2	.8	.2	19.5	16.0	1299
SEP	.1	8.7	41.4	23.1	13.7	5.9	3.7	1.7	1.4	.3	.0	16.7	14.0	1190
OCT	1.1	21.9	43.5	15.9	10.0	4.2	2.2	1.0	.3	.0	.0	13.9	12.0	1253
NOV	.7	36.6	34.5	14.4	7.9	3.2	2.0	.5	.1	.1	.0	12.6	11.0	1196
DEC	2.2	43.2	32.7	11.0	7.2	2.1	1.1	.5	.1	.1	.0	11.6	10.0	1228
ANNUAL	.5	16.2	36.6	22.2	12.1	6.1	3.5	1.5	1.0	.2	.0	15.8	14.0	15050

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
1) 350-010	1.5	.5	.5									2.5	4.5	3.0
020-040	2.0	1.5	.7									4.2	5.1	5.0
050-070	9.4	1.5										10.8	3.3	3.0
2) 080-100	20.4	7.9										28.3	3.8	4.0
110-130	13.5	6.4	.5									20.4	4.2	4.0
140-160	3.4	.5										3.9	3.1	2.5
3) 170-190	3.0		.2									3.2	2.8	2.0
200-220	1.7	.7	.2									2.7	5.3	4.0
230-250	.2											.2	3.0	3.0
4) 260-280	.5	.2										.7	3.7	3.0
290-310	1.2											1.2	3.0	3.0
320-340	1.5	.2										1.7	3.0	3.0
VARIABLE														
CALM	////////////////////											20.0	////////	
TOTALS	58.3	19.4	2.1									100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 406

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.6	.1	.3								1.9	6.5	4.5
020-040	2.5	.6	.7									3.8	5.1	4.0
050-070	6.5	1.3										7.8	3.3	3.0
(E) 080-100	22.9	4.6										27.5	3.3	3.0
110-130	17.9	6.4										24.3	3.9	4.0
140-160	4.2	1.1										5.3	3.3	3.0
(S) 170-190	1.5	.3		.1								1.9	4.0	3.0
200-220	.7	.3	.1									1.1	3.8	2.5
230-250	.7	.1	.1	.1								1.1	5.4	2.5
(W) 260-280	.3	.1										.4	3.7	3.0
290-310	.7	.1										.8	3.2	2.0
320-340	1.1											1.1	2.8	2.5
VARIABLE														
CALM	////////////////////////////////////											22.8	////////	
TOTALS	60.0	15.5	1.0	.5								100.0	2.9	3.0

TOTAL NUMBER OF OBSERVATIONS 719

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.1	.2	.2	.1								1.7	5.2	3.0
020-040	1.7	.7	.3	.2								2.9	5.5	4.0
050-070	2.6	.2	.1									2.9	3.3	2.0
(E) 080-100	6.8	2.8	.4		.1							10.2	4.2	3.0
110-130	11.6	7.7	1.0	.1								20.4	4.6	4.0
140-160	6.0	2.0	.4		.1							8.6	4.3	4.0
(S) 170-190	3.6	.1	.4									4.1	3.4	2.0
200-220	2.9	.7	.1	.1								3.8	3.7	2.0
230-250	2.7	.2		.2								3.1	3.5	2.0
(W) 260-280	2.0	.3										2.3	2.9	2.0
290-310	2.7	.4	.1									3.2	3.3	3.0
320-340	1.0	.3										1.3	3.4	2.5
VARIABLE														
CALM	////////////////////////////////////										35.3	////////////////////////////////		
TOTALS	44.7	15.6	3.0	.7	.2							100.0	2.7	3.0

TOTAL NUMBER OF OBSERVATIONS 895

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	1.2	.9	.1								5.4	5.1	3.5
020-040	1.5	.9	.6	.1								3.0	5.8	5.0
050-070	1.5	.4	.6									2.5	5.2	4.0
(E) 080-100	1.2	1.1	.8	.4								3.6	7.7	7.0
110-130	2.0	2.7	.6									5.2	5.4	5.0
140-160	3.1	1.7	.7	.1	.1							5.7	5.5	4.0
(S) 170-190	3.3	.9	.4	.2	.2							5.1	5.5	3.0
200-220	4.8	1.7	.7	.3	.1							7.6	5.2	4.0
230-250	5.2	2.0	.1	.1								7.5	3.7	3.0
(W) 260-280	5.5	1.6	.2									7.3	3.6	3.0
290-310	8.3	1.6										9.8	3.0	2.0
320-340	4.1	1.0	.2									5.4	3.5	3.0
VARIABLE														
CALM	////////////////////////////////////											32.0	////////	
TOTALS	43.6	16.8	5.8	1.3	.4							100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 896

C - 4 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	1.7	.8									5.5	4.7	4.0
020-040	1.5	.8	.8									3.1	5.8	4.5
050-070	1.2	.6	.9									2.7	6.7	6.0
(E) 080-100	1.4	1.9	1.2									4.5	6.6	7.0
110-130	1.5	1.3	.4									3.2	5.3	5.0
140-160	1.4	.5		.1								2.0	4.3	3.0
(S) 170-190	1.0	.9	.1		.1							2.2	5.8	6.0
200-220	2.4	1.3	.9	.3								4.9	5.9	4.5
230-250	5.9	4.1	.5		.3							10.8	5.0	4.0
(W) 260-280	10.4	4.9	.1	.1	.1							15.6	4.2	4.0
290-310	11.3	3.6	.3									15.1	3.5	3.0
320-340	5.0	1.5	.5									7.0	3.8	2.0
VARIABLE														
CALM	////////////////////////////////////											23.4	////////	
TOTALS	46.1	23.1	6.5	.5	.5							100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 781

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	2.5	.6									6.1	4.9	4.5
020-040	3.3	1.2	.2									4.6	3.9	3.0
050-070	5.4	2.5										7.9	4.0	4.0
(E) 080-100	4.4	.6	.4									5.4	3.8	3.0
110-130	1.5	.4	.2	.4								2.5	5.7	4.0
140-160	1.0	.2	.2									1.3	4.6	2.0
(S) 170-190	2.5	1.0				.2						3.6	4.3	2.0
200-220	1.5	.4	.4									2.3	4.4	3.0
230-250	6.7	1.2	.2		.2							8.3	3.4	2.0
(W) 260-280	6.1	1.2	.8									8.1	3.8	2.0
290-310	4.6	1.0	.6									6.1	4.4	3.0
320-340	4.6	1.0										5.6	3.6	4.0
VARIABLE														
CALM	////////////////////////////////////											38.2	////////	
TOTALS	44.7	13.2	3.6	.4	.2	.2						100.0	2.5	3.0
TOTAL NUMBER OF OBSERVATIONS 521														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	5.4										8.1	4.7	5.0
020-040	2.7	2.7										5.4	6.0	6.0
050-070	10.8	5.4										16.2	4.0	3.5
(E) 080-100	16.2	2.7										18.9	3.1	3.0
110-130	2.7		2.7									5.4	9.0	9.0
140-160	2.7											2.7	2.0	2.0
(S) 170-190														
200-220	2.7	2.7										5.4	5.0	5.0
230-250		5.4										5.4	7.5	7.5
(W) 260-280		2.7										2.7	5.0	5.0
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											29.7	////////	
TOTALS	40.5	27.0	2.7									100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 37

C - 4 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)													%	WIND	WIND
(N) 350-010		2.2	1.1	.5	.1								3.9	5.0	4.0
020-040		2.0	.9	.5	.1								3.5	5.2	4.0
050-070		3.8	1.0	.3									5.1	3.9	3.0
(E) 080-100		8.5	2.8	.5	.1	.0							11.9	4.1	4.0
110-130		7.7	4.2	.5	.1								12.4	4.5	4.0
140-160		3.4	1.1	.3	.0	.0							4.8	4.3	4.0
(S) 170-190		2.5	.5	.2	.1	.1	.0						3.4	4.5	3.0
200-220		2.6	.9	.4	.1	.0							4.1	4.9	4.0
230-250		3.7	1.4	.2	.1	.1							5.5	4.2	3.0
(W) 260-280		4.3	1.5	.2	.0	.0							6.0	3.9	3.0
290-310		5.2	1.2	.1									6.5	3.4	3.0
320-340		2.9	.7	.1									3.7	3.5	3.0
VARIABLE															
CALM		////////////////////////////////////											29.2	////////////////////////////////	
TOTALS		48.8	17.3	3.8	.7	.2							100.0	3.0	3.0
TOTAL NUMBER OF OBSERVATIONS 4255															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
												%	WIND	WIND
(N) 350-010														
020-040														
050-070			2.6									2.6	6.0	6.0
(E) 080-100		2.6	2.6									5.3	4.5	4.5
110-130			2.6									2.6	5.0	5.0
140-160		7.9										7.9	3.3	4.0
(S) 170-190						5.3						5.3	21.5	21.5
200-220		2.6	2.6									5.3	3.5	3.5
230-250		2.6				7.9						10.5	16.5	20.0
(W) 260-280														
290-310		5.3	2.6									7.9	4.3	3.0
320-340		5.3										5.3	3.0	3.0
VARIABLE														
CALM		////////////////////										47.4	////////	
TOTALS		26.3	13.0			13.2						100.0	4.3	4.5

TOTAL NUMBER OF OBSERVATIONS 38

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	1.0	.3									1.8	6.0	7.0
020-040	1.6	1.0	.3									2.9	5.1	4.0
050-070	7.6	1.8										9.4	3.7	4.0
(E) 080-100	23.5	13.6	.3									37.3	4.1	4.0
110-130	13.3	9.1	.3									22.7	4.4	4.0
140-160	2.9	1.0		.3								4.2	4.6	3.5
(S) 170-190	1.0	.3		.3	.3							1.8	7.3	4.0
200-220	.8	.5	.5									1.8	5.9	5.0
230-250	.3	.3										.5	6.0	6.0
(W) 260-280	.8	.3										1.0	3.8	2.0
290-310	1.0	.3										1.3	2.6	2.0
320-340	.3											.3	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											14.9	////////////////////////////////	
TOTALS	53.6	29.2	1.7	.6	.3							100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 383

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

TATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
N) 350-010	.9	1.0	.1									2.1	5.4	5.5
020-040	1.8	.1	.1									2.1	2.9	2.0
050-070	6.1	.4										6.6	2.8	2.5
E) 080-100	22.7	7.9										30.6	3.8	4.0
110-130	19.3	10.8	.3									30.3	4.3	4.0
140-160	2.7	.6		.3								3.6	4.3	3.0
S) 170-190	1.0	.3			.1							1.5	4.9	4.0
200-220	.6	.3	.4	.1								1.5	7.4	7.0
230-250	.4	.1	.3									.9	5.7	4.5
W) 260-280	.4	.3										.7	3.8	4.0
290-310	.7											.7	2.8	3.0
320-340	.1											.1	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											19.1	////////////////////////////////	
TOTALS	56.7	21.8	1.2	.4	.1							100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.7	.1									2.2	4.1	3.0
020-040	.7	.6	.5									1.8	6.7	8.0
050-070	1.8	.7		.1								2.7	3.9	2.5
(E) 080-100	5.4	2.4	.6	.1	.1							8.7	4.6	3.5
110-130	11.6	10.3	1.4	.1								23.4	5.1	5.0
140-160	7.2	3.5	.5									11.2	4.0	4.0
(S) 170-190	2.4	1.0	.2	.2	.2							4.1	5.9	4.0
200-220	2.3	.8	.2									3.4	4.4	3.5
230-250	2.4	.6	.1									3.1	3.7	3.0
(W) 260-280	2.4	1.3	.1									3.9	3.9	2.0
290-310	3.0	.6	.5	.1								4.2	4.3	2.0
320-340	1.2	.4										1.6	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											29.7	////////	
TOTALS	41.7	22.9	4.2	.6	.3							100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 828

OPERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

TATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
N) 350-010	3.4	1.3	.2									5.0	4.2	3.0
020-040	1.8	.6	.4	.1								2.9	4.8	3.5
050-070	2.3	.2	.2									2.8	4.0	3.0
E) 080-100	2.3	2.4	1.6	.6								6.9	7.5	7.0
110-130	2.8	3.4	.6	.2								7.0	6.0	5.0
140-160	4.3	1.8	.4									6.5	4.2	3.0
S) 170-190	2.1	1.1	.7									3.9	5.2	4.0
200-220	5.0	1.8	1.4	.1		.1						8.5	5.5	4.0
230-250	5.0	2.3	1.0									8.2	4.6	4.0
W) 260-280	4.7	2.9	.8	.6								9.1	5.3	4.0
290-310	5.7	2.5	.2	.4								8.8	4.2	3.0
320-340	3.6	1.3	.4									5.3	4.0	3.0
VARIABLE														
CALM	////////////////////////////////////											25.2	////////	
TOTALS	43.0	21.6	7.9	2.0		.1						100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 828

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.3	1.1	.4									3.8	4.4	3.0
020-040	2.2	.9	.1									3.2	4.1	4.0
050-070	2.0	.8	.5									3.4	4.6	4.0
(E) 080-100	2.3	2.2	.3	.3								5.0	5.4	5.0
110-130	2.3	1.8	.3									4.3	5.0	4.0
140-160	2.4	.3	.1									2.8	3.3	3.0
(S) 170-190	2.7	.3	.1	.3								3.4	4.1	3.0
200-220	3.6	1.8	.5	.5	.3							6.8	6.3	4.0
230-250	6.4	3.2	.9	.1	.1							10.8	5.0	4.0
(W) 260-280	9.2	5.8	.7	.4								16.1	4.8	4.0
290-310	8.6	3.6	.8	.4								13.5	4.8	4.0
320-340	5.4	3.1	.8									9.3	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											17.6	////////////////////////////////	
TOTALS	49.4	24.9	5.5	2.0	.4							100.0	4.0	4.0
TOTAL NUMBER OF OBSERVATIONS 740														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.7	1.0	.4		.2							6.2	4.4	3.0
020-040	3.5	.8	.2									4.5	3.9	2.0
050-070	3.5	1.0										4.5	3.3	3.0
(E) 080-100	3.7	2.9			.2							6.8	4.9	4.0
110-130	2.7	1.0		.2								3.9	3.9	2.5
140-160	1.7	1.2										2.9	4.3	4.0
(S) 170-190	1.0	.6	.8									2.3	7.2	8.5
200-220	2.5	.2	.2									2.9	2.9	2.0
230-250	6.2	1.4	.6	.2								8.3	4.1	3.0
(W) 260-280	9.7	2.3	.4									12.4	3.5	2.0
290-310	9.3	1.0	.2									10.5	3.1	3.0
320-340	4.9	1.0										5.8	3.2	2.0
VARIABLE														
CALM	////////////////////////////////////											28.9	////////////////////////////////	
TOTALS	53.4	14.4	2.8	.4	.4							100.0	2.7	3.0

TOTAL NUMBER OF OBSERVATIONS 515

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.2	2.4									5.9	6.2	6.0
020-040	7.1											7.1	2.2	2.0
050-070	9.4											9.4	2.5	2.5
(E) 080-100	10.6	1.2										11.8	3.2	3.0
110-130	14.1	1.2										15.3	3.5	3.0
140-160	3.5											3.5	3.0	3.0
(S) 170-190	2.4		1.2									3.5	5.3	2.0
200-220	1.2	2.4										3.5	5.7	7.0
230-250	1.2											1.2	2.0	2.0
(W) 260-280	1.2											1.2	4.0	4.0
290-310	2.4				1.2							3.5	8.3	2.0
320-340	2.4											2.4	2.0	2.0
VARIABLE														
CALM	////////////////////////////////////											31.8	////////	
TOTALS	57.9	6.0	3.6		1.2							100.0	2.6	3.0
TOTAL NUMBER OF OBSERVATIONS 85														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.0	.3		.0							3.6	4.5	4.0
020-040	2.0	.6	.3	.0								2.9	4.4	4.0
050-070	3.6	.7	.1	.0								4.5	3.6	3.0
(E) 080-100	8.7	4.4	.5	.2	.0							13.8	4.5	4.0
110-130	8.4	5.9	.5	.1								15.0	4.7	4.0
140-160	3.8	1.5	.2	.1								5.6	4.1	3.0
(S) 170-190	1.9	.6	.3	.1	.1							3.0	5.5	4.0
200-220	2.7	1.0	.6	.1	.0	.0						4.5	5.5	4.0
230-250	3.6	1.4	.5	.0	.0							5.6	4.6	4.0
(W) 260-280	4.5	2.3	.4	.2								7.4	4.5	4.0
290-310	4.8	1.5	.3	.2	.0							6.8	4.2	3.0
320-340	2.7	1.0	.2									4.0	3.9	3.0
VARIABLE														
CALM	////////////////////											23.4	////////	
TOTALS	48.9	21.9	4.2	1.0	.1							100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 4048

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040														
050-070														
(E) 080-100		12.5										12.5	8.0	8.0
110-130	25.0											25.0	3.0	3.0
140-160														
(S) 170-190														
200-220					12.5	12.5						25.0	24.0	22.5
230-250														
(W) 260-280														
290-310	12.5											12.5	4.0	4.0
320-340														
VARIABLE														
CALM	////////////////////////////////////											25.0	////////////////////////////////	
TOTALS	37.5	12.5			12.5	12.5						100.0	8.3	6.0

TOTAL NUMBER OF OBSERVATIONS 8

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.2										1.1	3.8	3.0
020-040	.7	.7										1.3	3.8	4.0
050-070	6.7	2.0										8.7	3.3	3.0
(E) 080-100	23.0	10.5	.2									33.8	4.1	4.0
110-130	15.2	13.0										28.2	4.4	4.0
140-160	1.8	1.3	.4									3.6	5.0	4.5
(S) 170-190	2.0	.2	.4									2.7	4.7	4.0
200-220	1.3	.9	.7	.2								3.1	6.5	5.5
230-250	.9	2.0										2.9	5.4	6.0
(W) 260-280	1.1	.7										1.8	3.9	4.0
290-310	.2		.2									.4	7.0	7.0
320-340	1.1	.4										1.6	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											10.7	////////	
TOTALS	54.9	31.9	1.9	.2								100.0	3.8	4.0
TOTAL NUMBER OF OBSERVATIONS 447														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.3										1.2	3.1	2.0
020-040	1.5	.3										1.8	3.0	3.0
050-070	3.7	.5	.1									4.4	3.3	3.0
(E) 080-100	19.0	9.4										28.4	3.9	4.0
110-130	15.7	17.7	.5									33.9	4.9	5.0
140-160	3.7	2.7	.3									6.7	4.5	4.0
(S) 170-190	.9	1.4	.4									2.7	5.7	5.0
200-220	1.2	2.4	.4									4.0	6.0	6.0
230-250	.4	.9										1.3	5.3	5.0
(W) 260-280	.6	.4										1.0	5.1	4.0
290-310	.5	.8	.1									1.4	5.3	6.0
320-340	.8	.3										1.0	3.8	3.5
VARIABLE														
CALM	////////////////////////////////////											12.3	////////	
TOTALS	48.9	37.1	1.8									100.0	3.9	4.0
TOTAL NUMBER OF OBSERVATIONS 779														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.3	.3									1.8	4.8	4.0
020-040	1.1	.6										1.7	3.9	4.0
050-070	2.6	.3										2.9	3.0	2.0
(E) 080-100	4.3	1.8	.6	.1								6.9	4.8	4.0
110-130	9.9	12.8	.5	.1								23.4	5.2	5.0
140-160	7.6	5.2	1.1		.1							13.9	4.8	4.0
(S) 170-190	3.2	1.3	.9	.4	.1							5.9	6.0	4.0
200-220	3.3	2.6	.2	.4								6.6	5.3	4.0
230-250	2.5	1.9	.6	.1								5.2	5.8	5.0
(W) 260-280	2.5	1.3	.6									4.4	4.8	4.0
290-310	2.7	1.1	.2	.1								4.1	4.6	3.0
320-340	1.6	.4	.4									2.5	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											20.6	////////	
TOTALS	42.5	29.6	5.4	1.2	.2							100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 927

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 12-14

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.2	.1	.1								3.8	4.5	4.0
020-040	1.4	.5		.1								2.0	4.2	3.0
050-070	1.5	.4										1.9	3.4	3.5
(E) 080-100	.9	1.7	.7									3.3	6.7	6.5
110-130	1.3	1.8	.2									3.3	5.5	5.5
140-160	1.3	.5	.2									2.0	4.8	4.0
(S) 170-190	1.5	.9	.9									3.4	6.3	5.0
200-220	2.8	3.0	1.8	.2	.1		.1					8.0	7.0	6.0
230-250	5.2	5.0	3.1	.6	.4							14.2	7.1	6.0
(W) 260-280	8.5	8.9	2.8	.5								20.7	5.9	6.0
290-310	11.0	7.1	1.9	.5	.2							20.7	5.4	4.0
320-340	4.0	2.5	.2	.4								7.1	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											9.5	////////////////////////////////	
TOTALS	41.8	33.5	11.9	2.4	.7		.1					100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 845

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	.6	.3	.3								6.0	4.2	2.0
020-040	2.8	.5										3.2	2.8	2.0
050-070	3.1	.6	.3									4.1	3.9	3.0
(E) 080-100	1.8	1.6	.2	.2								3.7	5.0	5.0
110-130	1.8	1.1	.5									3.4	5.5	4.0
140-160	1.1	.2	.2									1.5	4.6	4.0
(S) 170-190	1.8	.6		.5								2.9	6.0	3.5
200-220	3.4	1.1	.3	.5	.2							5.5	5.8	4.0
230-250	6.0	4.2	1.0									11.2	4.7	4.0
(W) 260-280	9.9	4.4	2.4	.3								17.0	5.3	4.0
290-310	10.2	2.9	1.3	.3								14.8	4.3	3.0
320-340	5.2	1.5	.3									7.0	3.6	2.0
VARIABLE														
CALM	////////////////////////////////////											19.6	////////	
TOTALS	51.8	19.3	6.8	2.1	.2							100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 616

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
N) 350-010	3.1	.8		.8								4.7	5.2	2.5
020-040	5.4	.8										6.2	2.6	2.0
050-070	7.0											7.0	2.7	3.0
E) 080-100	9.3											9.3	2.5	2.0
110-130	8.5	2.3										10.9	2.9	2.0
140-160	5.4	.8										6.2	2.4	2.0
S) 170-190	2.3	.8	.8									3.9	5.0	4.0
200-220	2.3	.8	2.3									5.4	8.6	9.0
230-250	2.3		.8									3.1	4.8	3.5
W) 260-280	4.7		.8									5.4	4.4	4.0
290-310	3.9	2.3	.8									7.0	5.1	3.0
320-340	.8	.8										1.6	5.5	5.5
VARIABLE														
CALM	////////////////////////////////////											29.5	////////////////////////////////	
TOTALS	55.0	9.4	5.5	.8								100.0	2.8	3.0
TOTAL NUMBER OF OBSERVATIONS 129														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	.8	.2	.1								3.1	4.4	3.0
020-040	1.7	.5		.0								2.3	3.3	2.0
050-070	2.8	.7	.1									3.6	3.4	3.0
(E) 080-100	7.3	3.7	.4	.1								11.5	4.3	4.0
110-130	7.2	7.6	.5	.1								15.5	5.0	5.0
140-160	3.3	2.1	.5		.0							5.9	4.7	4.0
(S) 170-190	2.4	1.2	.6	.2	.0	.0						4.5	5.8	4.0
200-220	2.9	2.4	.8	.3	.1		.0					6.5	6.0	5.0
230-250	3.9	3.1	1.2	.2	.1							8.5	5.9	5.0
(W) 260-280	5.1	3.4	1.5	.2	.0							10.2	5.6	5.0
290-310	5.2	2.9	.9	.2	.0							9.1	5.0	4.0
320-340	2.7	1.0	.2	.1								4.1	4.2	3.5
VARIABLE														
CALM	////////////////////											15.3	////////	
TOTALS	46.6	29.4	6.9	1.5	.2							100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 4672

REPORTING LOCATION "A"
AFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												MEAN WIND SPEED
350-010												
020-040												
050-070												
080-100												
110-130												
140-160												
170-190				25.0							25.0	17.0
200-220	25.0	25.0									50.0	4.0
230-250				25.0							25.0	16.0
260-280												
290-310												
320-340												
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.0	//////////
TOTALS	25.0	25.0		50.0							100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5											.5	2.0	2.0
020-040	1.2											1.2	3.2	3.0
050-070	9.3	1.6	.5									11.4	3.7	3.0
(E) 080-100	23.5	12.8										36.3	4.1	4.0
110-130	14.2	10.9										25.1	4.3	4.0
140-160	2.3	1.6	.2									4.2	4.9	4.0
(S) 170-190	.2	2.1	.5									2.8	7.2	7.0
200-220	.5	2.8	.7									4.0	7.2	7.0
230-250	.5	.5	.2									1.2	5.8	5.0
(W) 260-280	.5	.2										.7	4.3	2.0
290-310	.5	.9										1.4	4.8	5.0
320-340	.2	.2	.2									.7	6.7	6.0
VARIABLE														
CALM	////////////////////											10.7	////////	
TOTALS	53.4	33.6	2.3									100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 430

OPERATING LOCATION "A"
LAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
1) 350-010	.3	.5	.1									.9	6.1	5.0
020-040	.8	.5	.1									1.5	5.1	4.0
050-070	4.3	1.1	.3									5.6	3.8	3.5
2) 080-100	14.4	11.7	.3	.1								26.5	4.8	4.0
110-130	18.3	20.8	.9	.1								40.2	5.0	5.0
140-160	2.7	2.4	.5									5.6	5.2	5.0
3) 170-190	.8	.7	.7									2.2	6.5	6.5
200-220	.9	2.4	.7									4.0	6.5	6.5
230-250	.5	.1	.1									.8	6.2	4.0
4) 260-280	.3	.1										.4	5.0	4.0
290-310	.5											.5	2.0	2.0
320-340	.3		.3									.5	6.5	6.5
VARIABLE														
CALM	////////////////////											11.2	////////	
TOTALS	44.1	40.3	4.0	.2								100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 744

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.2	.7									1.9	6.2	4.0
020-040	.7	.4	.3									1.4	6.5	5.0
050-070	1.1	.9	.7									2.7	6.3	6.0
(E) 080-100	4.8	1.4	1.6	.7								8.4	6.1	4.0
110-130	8.8	10.6	1.3	.7								21.3	5.7	5.0
140-160	6.2	6.2	1.2									13.7	5.3	5.0
(S) 170-190	3.6	2.2	1.4	.2								7.4	5.8	5.0
200-220	4.9	2.1	1.1	.1								8.2	5.1	3.0
230-250	4.1	2.7	1.1	.2	.2							8.3	5.8	5.0
(W) 260-280	3.4	1.2	.3	.1								5.1	4.6	4.0
290-310	1.8	.3	.1									2.2	3.4	3.0
320-340	1.0	.2										1.2	2.9	2.0
VARIABLE														
CALM	////////////////////											18.0	////////	
TOTALS	41.4	28.4	9.8	2.0	.2							100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.7										2.3	4.2	4.0
020-040	1.3	.3	.1									1.8	3.6	2.0
050-070	.7	1.0	.2									1.9	5.5	6.0
(E) 080-100	1.0	1.6	.4	.2								3.2	6.5	5.0
110-130	3.0	1.9	1.6	.1								6.6	6.2	5.0
140-160	2.7	2.9	.6	.1								6.2	5.5	5.0
(S) 170-190	2.8	2.7	1.7	.7	.1							7.9	7.0	6.0
200-220	3.7	5.0	2.2	.3	.3							11.6	7.0	6.0
230-250	5.3	7.7	4.6	.7								18.2	7.0	6.0
(W) 260-280	7.1	6.3	2.0	.3	.2							16.0	6.0	5.0
290-310	5.2	3.6	.3	.1								9.2	4.7	4.0
320-340	2.7	1.1	.1									3.9	3.8	3.0
VARIABLE														
CALM	////////////////////											11.2	////////	
TOTALS	37.2	34.8	13.8	2.5	.6							100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.5	.1									1.6	5.0	4.0
020-040	.2	.6	.2									1.1	6.3	6.0
050-070	.6	.4	.1									1.1	4.8	3.0
(E) 080-100	.4	1.4	.5									2.2	6.9	7.0
110-130	1.0	.7	.5									2.2	5.9	5.0
140-160	1.5	.5	.5									2.5	5.6	4.0
(S) 170-190	1.5	1.1	1.2	.1	.1							4.1	7.4	8.0
200-220	3.0	3.1	2.4	1.0	.6	.1						10.2	9.0	8.0
230-250	6.5	10.6	4.2	.9								22.1	6.7	6.0
(W) 260-280	8.0	12.6	3.9	1.2	.1							25.7	6.7	6.0
290-310	6.2	8.1	1.5	.1	.2							16.2	5.7	5.0
320-340	2.6	2.1	.7	.2								5.7	5.9	5.5
VARIABLE														
CALM	////////////////////////////////////											5.1	////////	
TOTALS	32.5	41.7	15.8	3.5	1.0	.1						100.0	6.3	6.0
TOTAL NUMBER OF OBSERVATIONS 804														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.4	.5	.3									4.3	3.6	2.0
020-040	.5	.2	.3									1.0	6.7	5.0
050-070	.3	.2	.2									.7	5.5	5.0
(E) 080-100	.5	1.0										1.5	6.0	6.0
110-130	1.2	.9	.7	.3								3.1	7.7	6.0
140-160	1.7	.5	.2	.3	.2							2.9	6.4	4.0
(S) 170-190	1.4	.5	.3									2.2	4.9	4.0
200-220	2.4	1.9	1.4	.7	.2							6.5	7.5	6.5
230-250	4.8	5.6	1.5	.3								12.2	5.9	5.5
(W) 260-280	10.7	7.8	2.0	.3								20.9	5.3	4.0
290-310	11.4	4.6	1.5	.7								18.2	5.1	4.0
320-340	8.0	2.7	.3									11.1	3.7	3.0
VARIABLE														
CALM	////////////////////////////////////											15.5	////////////////////////////////	
TOTALS	46.3	26.4	8.7	2.6	.4							100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 588

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.5	1.5										6.0	3.3	2.0
020-040	4.5	.8										5.3	3.0	2.0
050-070	3.8	.8										4.5	3.0	2.0
(E) 080-100	4.5	3.0										7.5	3.6	4.0
110-130	5.3	3.0			.8							9.0	5.0	3.0
140-160	.8	.8	.8									2.3	7.0	6.0
(S) 170-190	2.3											2.3	2.0	2.0
200-220	3.0	1.5	2.3	.8								7.5	7.5	7.5
230-250	6.0	.8	1.5									8.3	4.7	4.0
(W) 260-280	3.0	3.8										6.8	4.3	5.0
290-310	2.3	.8										3.0	4.8	4.0
320-340	4.5	.8		.8								6.0	4.5	2.5
VARIABLE														
CALM	////////////////////////////////////											31.6	////////	
TOTALS	44.5	17.6	4.6	1.6	.8							100.0	3.1	3.0
TOTAL NUMBER OF OBSERVATIONS 133														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
0) 350-010	1.4	.5	.2									2.1	4.5	4.0
020-040	.9	.4	.2									1.5	4.9	4.0
050-070	2.2	.8	.3									3.4	4.4	4.0
080-100	6.0	4.2	.5	.2								11.0	4.9	4.0
110-130	7.2	7.3	.9	.2	.0							15.7	5.3	5.0
140-160	3.0	2.6	.6	.1	.0							6.2	5.4	5.0
170-190	1.9	1.6	1.0	.2	.0							4.8	6.5	6.0
200-220	2.8	2.9	1.5	.4	.2	.0						7.9	7.1	7.0
230-250	4.0	4.8	2.2	.4	.0							11.4	6.5	6.0
260-280	5.1	4.9	1.4	.4	.1							11.9	5.9	5.0
290-310	4.2	2.9	.6	.1	.0							7.9	5.1	4.0
320-340	2.4	1.0	.3	.1								3.8	4.4	4.0
VARIABLE														
CALM	////////////////////											12.6	////	////
TOTALS	41.1	33.9	9.7	2.1	.3							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 4499

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010													
020-040													
050-070													
(E) 080-100													
110-130													
140-160													
(S) 170-190													
200-220													
230-250													
(W) 260-280			33.3	33.3							66.7	14.5	14.5
290-310		33.3									33.3	6.0	6.0
320-340													
VARIABLE													
CALM	////////////////////////////////////										.0	////////////////////////////////	
TOTALS		33.3	33.3	33.3							100.0	11.7	12.0

TOTAL NUMBER OF OBSERVATIONS 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.2										.9	3.5	3.0
020-040	1.4	.7										2.1	3.7	3.0
050-070	9.0	1.7	.2									10.9	3.7	3.5
(E) 080-100	22.7	18.2										41.0	4.4	4.0
110-130	13.0	12.6	.2									25.8	4.7	4.0
140-160	2.6	.7										3.3	3.2	2.5
(S) 170-190	.9	.2	.2									1.4	4.8	4.0
200-220	.5	.9	1.2									2.6	8.2	8.0
230-250	.2			.2								.5	10.0	10.0
(W) 260-280	1.2	.2										1.4	3.7	4.0
290-310	.5	.7										1.2	5.4	5.0
320-340			.2									.2	11.0	11.0
VARIABLE														
CALM	////////////////////											8.5	////////	
TOTALS	52.7	36.1	2.0	.2								100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 422

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.3										.8	4.0	2.5
020-040	1.0	.3										1.2	3.6	3.0
050-070	4.2	1.9	.1	.1								6.4	4.4	4.0
(E) 080-100	13.9	13.5	.5	.1								28.1	4.8	5.0
110-130	12.4	26.4	1.5									40.3	5.6	6.0
140-160	3.1	3.3	.4									6.8	5.4	5.0
(S) 170-190	1.1	.5	.1									1.8	4.2	4.0
200-220	.8	1.6	.4	.1								3.0	7.1	7.0
230-250	1.0	.8	.3									2.0	5.4	5.0
(W) 260-280	.5	.7	.1									1.4	5.7	5.5
290-310	.1	.7										.8	6.2	6.0
320-340	.3		.1									.4	5.7	4.0
VARIABLE														
CALM	////////////////////////////////////											6.8	////////	
TOTALS	38.9	50.0	3.5	.3								100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 732

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

ATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
1) 350-010	.8	.4	.2									1.4	4.9	4.0
020-040	.8	.3										1.1	3.8	3.5
050-070	1.8	.6	.3	.2								2.9	5.3	3.5
2) 080-100	3.1	2.1	1.2	.6								6.9	6.1	5.0
110-130	9.2	6.3	.9	.1								16.5	4.8	4.0
140-160	9.2	5.2	1.2									15.6	4.7	4.0
3) 170-190	5.2	2.9	.9	.1								9.0	4.8	4.0
200-220	4.6	2.8	1.5		.1							9.0	5.4	4.0
230-250	4.8	3.0	.7									8.5	4.7	4.0
4) 260-280	4.3	1.4	.4									6.2	4.1	3.0
290-310	2.1	1.2										3.3	4.2	3.5
320-340	2.1	.2										2.3	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											17.3	////////////////////////////////	
TOTALS	48.0	26.4	7.3	1.0	.1							100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 909

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.2										1.5	3.5	3.5
020-040	.9	.3										1.2	3.6	3.0
050-070	.7	.4	.1	.1								1.3	5.5	4.5
(E) 080-100	1.4	1.0	.4	.2								3.1	6.2	5.0
110-130	1.8	3.1	.8									5.6	6.1	5.0
140-160	2.5	3.3	.6									6.4	5.6	5.5
(S) 170-190	4.2	2.8	1.4	.1								8.5	5.5	5.0
200-220	4.7	7.3	3.3	.4								15.7	6.9	6.0
230-250	5.1	11.1	2.8	.1								19.1	6.2	6.0
(W) 260-280	7.8	9.1	1.7									18.6	5.4	5.0
290-310	4.4	4.4										8.8	4.5	4.5
320-340	1.8	1.5	.1									3.4	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											6.7	////////	
TOTALS	36.6	44.5	11.2	.9								100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 908

ERATING LOCATION "A"
AFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

ATION NUMBER: 722786 STATION NAME: WILLIAMS AFB/CHANDLER AZ PERIOD OF RECORD: APR 81 - MAR 91
LST TO UTC: + 7 MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
) 350-010	.5	.6	.3	.1								1.5	7.1	7.5
020-040	.4	.4			.1							.9	7.4	5.0
050-070	.1	.6	.3									1.0	6.8	6.0
) 080-100	.1	.6	.3	.1								1.1	8.1	8.0
110-130	.6	.9	.5		.1							2.2	7.3	6.0
140-160	1.1	1.0	.1		.1		.1					2.5	7.3	5.5
) 170-190	1.4	1.8	.8	.4	.1							4.4	7.4	8.0
200-220	3.0	4.9	4.1	.6	.3							12.9	7.8	7.0
230-250	4.1	10.3	6.2	.4								20.9	7.5	7.0
) 260-280	7.1	17.3	5.3									29.7	6.5	6.0
290-310	3.9	10.4	.5	.1								14.9	5.9	6.0
320-340	2.4	1.6	.5	.3								4.8	5.6	4.5
VARIABLE														
CALM	////////////////////////////////////											3.0	////////	
TOTALS	24.7	50.4	18.9	2.0	.7		.1					100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 790

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	.5		.2								3.7	3.3	2.0
020-040	.7	.5	.5	.2								1.9	7.4	6.0
050-070	.2		.8	.2								1.2	10.6	11.0
(E) 080-100	.7	.5	.3		.2		.2					1.9	9.6	7.0
110-130	2.0	.7	.7									3.4	5.6	4.0
140-160	.8	.3	.7									1.9	6.3	6.0
(S) 170-190	1.0	.2	1.5	.5								3.2	9.3	10.0
200-220	1.7	2.2	1.9	.3	.2							6.3	7.8	8.0
230-250	5.2	6.9	3.2		.2							15.6	6.5	6.0
(W) 260-280	7.1	8.5	2.2	.5								18.3	5.9	5.5
290-310	10.3	9.6	1.9									21.8	5.2	5.0
320-340	7.8	3.9	.7									12.4	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											8.6	////////	
TOTALS	40.5	33.8	14.4	1.9	.6		.2					100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 591

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
0) 350-010	3.4											3.4	2.0	2.0
020-040	2.7											2.7	2.3	2.0
050-070	.7		.7									1.4	8.0	8.0
080-100	1.4		.7									2.0	4.3	2.0
110-130	3.4	3.4	.7									7.4	5.0	5.0
140-160	1.4	.7										2.0	4.0	3.0
170-190	2.7	.7	.7									4.1	4.3	3.5
200-220	4.7	4.1										8.8	5.0	4.0
230-250	4.7	4.7										9.5	4.4	4.5
260-280	5.4	3.4										8.8	4.1	4.0
290-310	4.7		1.4									6.1	4.7	4.0
320-340	5.4	1.4										6.8	3.2	2.5
VARIABLE														
CALM	////////////////////////////////////											37.2	////////	
TOTALS	40.6	18.4	4.2									100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 148

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.4	.1	.0								1.7	4.2	3.0
020-040	.9	.4	.1	.0	.0							1.4	4.7	4.0
050-070	2.1	.8	.3	.1								3.3	4.9	4.0
(E) 080-100	5.5	4.7	.5	.2	.0		.0					11.0	5.1	5.0
110-130	6.0	7.7	.8	.0	.0							14.5	5.3	5.0
140-160	3.5	2.6	.5		.0		.0					6.6	5.1	4.0
(S) 170-190	2.6	1.6	.9	.2	.0							5.3	5.7	5.0
200-220	3.0	3.7	2.1	.3	.1							9.1	6.9	6.0
230-250	3.7	5.8	2.2	.1	.0							12.0	6.4	6.0
(W) 260-280	5.0	6.5	1.7	.1								13.3	5.8	6.0
290-310	3.6	4.4	.4	.0								8.4	5.2	5.0
320-340	2.4	1.2	.2	.0								3.9	4.4	4.0
VARIABLE														
CALM	////////////////////											9.6	////////	
TOTALS	39.5	39.8	9.8	1.0	.1							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 4500

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010														
020-040														
050-070														
(E) 080-100								50.0				50.0	33.0	25.0
110-130														
140-160														
(S) 170-190														
200-220				50.0								50.0	18.0	18.0
230-250														
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////											.0	////////////////	
TOTALS				50.0			50.0					100.0	25.5	21.5

TOTAL NUMBER OF OBSERVATIONS 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.2										.2	7.0	7.0
020-040	3.2	.5		.5								4.1	4.8	3.0
050-070	8.7	1.8										10.6	3.7	4.0
(E) 080-100	26.9	18.6										45.5	4.2	4.0
110-130	13.3	10.6	.7									24.6	4.9	4.0
140-160	1.4	.5										1.8	3.6	3.0
(S) 170-190	.5	.5										.9	4.8	4.5
200-220	.2	.5										.7	6.0	6.0
230-250	.5											.5	2.0	2.0
(W) 260-280														
290-310	.5											.5	3.0	3.0
320-340	.7											.7	2.0	2.0
VARIABLE														
CALM	////////////////////////////////////											9.9	////////	
TOTALS	55.9	33.2	.7	.5								100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3		.1									.4	6.7	4.0
020-040	1.2	.1	.3	.1								1.8	5.6	4.0
050-070	3.5	1.1										4.6	3.6	4.0
(E) 080-100	14.5	18.5	.4	.3								33.6	5.2	5.0
110-130	12.3	27.8	1.9									42.1	5.8	6.0
140-160	3.5	2.0	.5									6.1	4.8	4.0
(S) 170-190	1.1	.5		.1								1.8	4.6	4.0
200-220	.7	.1										.8	3.0	2.0
230-250	.4	.1										.5	3.8	3.0
(W) 260-280	.4	.1										.5	3.5	3.5
290-310	.1	.3										.4	4.7	6.0
320-340	.4	.1										.5	3.8	3.0
VARIABLE														
CALM	////////////////////////////////////											6.8	////////////////////////////////	
TOTALS	38.4	50.7	3.2	.5								100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 737

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.4	.1									.9	5.8	6.0
020-040	.2	.2	.1									.6	5.8	5.0
050-070	1.0	.6		.1								1.7	5.1	4.0
(E) 080-100	3.3	1.7	.7	.4								6.1	5.6	4.0
110-130	8.2	7.4	1.3	.2								17.2	5.4	5.0
140-160	9.4	4.0	1.0	.1								14.6	4.5	4.0
(S) 170-190	6.7	3.3	1.0									11.0	4.5	4.0
200-220	5.8	2.4	.4	.1								8.8	4.3	4.0
230-250	4.7	1.9										6.6	3.5	3.0
(W) 260-280	4.3	2.8	.1									7.2	3.9	4.0
290-310	2.6	1.3										3.9	3.9	3.0
320-340	1.8	.2										2.0	3.2	3.0
VARIABLE														
CALM	////////////////////////////////////											19.6	////////////////////////////////	
TOTALS	48.3	26.2	4.7	.9								100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.6	.3									1.8	5.2	4.5
020-040	.2	.6										.8	4.9	5.0
050-070	.4	.3	.2									1.0	5.8	5.0
(E) 080-100	.9	.4	.7	.1								2.1	6.8	6.0
110-130	1.8	1.3	.7									3.8	5.8	5.0
140-160	2.2	2.1	.2									4.6	5.1	5.0
(S) 170-190	2.3	3.4	1.7	.3								7.8	6.9	6.0
200-220	3.9	4.2	2.1	.1								10.3	6.5	6.0
230-250	6.2	9.6	2.2	.2								18.2	6.0	6.0
(W) 260-280	8.4	14.7	1.8									24.9	5.7	6.0
290-310	7.1	6.6	.9	.3								14.9	5.3	5.0
320-340	3.7	.8	.1									4.6	3.8	4.0
VARIABLE														
CALM	////////////////////////////////////											5.3	////////	
TOTALS	38.0	44.6	10.9	1.0								100.0	5.5	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.1										.6	3.6	3.0
020-040	.1	.3	.1									.5	6.5	7.0
050-070	.3	.1	.1									.5	6.5	5.0
(E) 080-100	.5	.1	.4									1.0	6.0	5.0
110-130	.3	.8	.5									1.5	8.2	9.0
140-160	.4	.5										.9	5.3	5.0
(S) 170-190	.4	1.9	.5									2.8	7.4	7.5
200-220	2.3	3.1	2.4	.6								8.4	7.7	8.0
230-250	4.0	10.5	4.6	.1								19.3	7.1	7.0
(W) 260-280	8.5	19.9	4.5									33.0	6.4	6.0
290-310	5.3	11.8	2.8	.1								19.9	6.3	6.0
320-340	3.8	4.8	.4									8.9	5.1	5.0
VARIABLE														
CALM	////////////////////////////////////											2.8	////////////////////////////////	
TOTALS	26.4	53.9	16.3	.8								100.0	6.4	6.0
TOTAL NUMBER OF OBSERVATIONS 798														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.1	1.0	.5	.3	.5							3.3	8.9	6.0
020-040	.5	.6	.3	.2								1.6	7.4	7.0
050-070	.2	.2	.2	.5		.2						1.1	14.0	15.0
(E) 080-100	.2	.5	.3	.3								1.3	10.4	9.0
110-130	.6	.6	.6		.2							2.1	8.3	8.0
140-160	.2	.3	.5	.2								1.1	8.9	10.0
(S) 170-190	.3	.3	.2		.2							1.0	9.2	7.5
200-220	1.3	2.7	1.1	.3	.2							5.6	7.5	6.0
230-250	4.6	5.3	1.8		.2							11.8	6.1	5.5
(W) 260-280	8.6	12.8	1.0									22.3	5.4	5.0
290-310	9.9	14.5	2.1	.2								26.6	5.6	6.0
320-340	9.7	5.6	.6									15.9	4.5	4.0
VARIABLE														
CALM	////////////////////////////////////											6.2	////////////////////////////////	
TOTALS	37.2	44.4	9.2	2.0	1.3	.2						100.0	5.6	5.0
TOTAL NUMBER OF OBSERVATIONS 627														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	1.2	1.8									7.1	5.1	2.5
020-040	1.2	.6										1.8	4.7	4.0
050-070	.6	1.8										2.4	6.0	6.5
(E) 080-100	1.8	1.8										3.6	5.0	5.5
110-130		3.0			.6							3.6	9.7	7.5
140-160	1.2	.6		.6								2.4	6.8	4.5
(S) 170-190	2.4	1.2	.6									4.1	5.6	4.0
200-220	3.6	1.8	.6									5.9	5.2	4.0
230-250	5.9	3.0	.6									9.5	4.3	4.0
(W) 260-280	5.3	5.3										10.7	4.8	4.5
290-310	10.1	1.8										11.8	3.0	2.5
320-340	12.4											12.4	2.5	2.0
VARIABLE														
CALM	////////////////////////////////////											24.9	////////	
TOTALS	48.6	22.1	3.6	.6	.6							100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 169

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.4	.2	.0	.1							1.4	6.4	5.0
020-040	.7	.4	.1	.1								1.3	5.6	4.0
050-070	1.8	.6	.1	.1		.0						2.6	4.8	4.0
(E) 080-100	5.9	5.3	.4	.2								11.9	5.0	5.0
110-130	5.4	7.6	.9	.0	.0							14.0	5.7	6.0
140-160	3.1	1.7	.4	.1								5.3	4.8	4.0
(S) 170-190	2.2	1.9	.7	.1	.0							4.8	5.7	5.0
200-220	2.7	2.4	1.1	.2	.0							6.4	6.2	6.0
230-250	3.8	4.9	1.5	.1	.0							10.4	6.0	6.0
(W) 260-280	5.5	8.9	1.3									15.6	5.7	6.0
290-310	4.6	5.7	.9	.1								11.4	5.5	5.0
320-340	3.7	1.8	.2									5.7	4.3	4.0
VARIABLE														
CALM	////////////////////											9.2	////////	
TOTALS	40.1	41.6	7.8	1.0	.1							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 4566

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010															
020-040															
050-070															
(E) 080-100															
110-130															
140-160															
(S) 170-190															
200-220															
230-250															
(W) 260-280															
290-310															
320-340															
VARIABLE															
CALM		////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	.0	////////////////////	
TOTALS														.0	.0

TOTAL NUMBER OF OBSERVATIONS 0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.4	.2		.2								1.9	5.1	3.5
020-040	1.4	.5										1.9	3.3	2.5
050-070	4.5	.9										5.4	3.4	3.0
(E) 080-100	13.8	8.9	.5	.2								23.5	4.4	4.0
110-130	16.2	14.1	1.9	.2								32.4	5.0	4.5
140-160	4.5	3.1	.2									7.7	4.4	4.0
(S) 170-190	.7	.2										.9	3.5	3.5
200-220	1.6	.7										2.3	4.0	4.0
230-250	2.1											2.1	3.2	4.0
(W) 260-280	1.2											1.2	2.8	2.0
290-310	2.1											2.1	3.0	3.0
320-340	.2	.2	.2									.7	7.3	5.0
VARIABLE														
CALM	////////////////////////////////////										17.8	////////////////////////////////		
TOTALS	49.7	28.8	2.8	.6								100.0	3.7	4.0
TOTAL NUMBER OF OBSERVATIONS 426														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.3	.1									1.2	4.4	4.0
020-040	1.6	.3										1.9	2.9	2.5
050-070	3.6	.3	.4									4.3	3.6	3.0
(E) 080-100	9.9	8.1	.1									18.1	4.5	4.0
110-130	15.4	21.2	1.1									37.6	5.2	5.0
140-160	5.5	4.4	1.1									11.0	4.9	4.5
(S) 170-190	1.9	.3		.1								2.3	3.8	3.0
200-220	.8		.1	.1								1.1	5.4	2.5
230-250	.5	.4										1.0	3.9	4.0
(W) 260-280	1.9	.1										2.1	2.6	2.0
290-310	1.0	.5										1.5	4.1	4.0
320-340	1.4	.4	.1									1.9	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											15.9	////////	
TOTALS	44.3	36.3	3.0	.2								100.0	4.0	4.0
TOTAL NUMBER OF OBSERVATIONS 728														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.6										1.2	4.6	4.0
020-040	.9	.2										1.1	3.4	4.0
050-070	.9	.1	.1									1.1	3.7	3.0
(E) 080-100	2.4	1.5	.2									4.2	4.4	4.0
110-130	7.0	7.4	1.4	.1	.1							16.0	5.4	5.0
140-160	7.1	5.8	1.2									14.1	5.1	4.5
(S) 170-190	6.0	2.1	.3									8.4	3.9	4.0
200-220	4.3	2.2	.2									6.7	4.0	4.0
230-250	5.6	2.3	.2									8.2	3.9	4.0
(W) 260-280	5.7	2.8	.1									8.6	4.0	4.0
290-310	4.2	2.9	.4									7.5	4.5	4.0
320-340	1.4	1.5										3.0	4.6	5.0
VARIABLE														
CALM	////////////////////////////////////											19.9	////////	
TOTALS	46.2	29.4	4.1	.1	.1							100.0	3.6	4.0
TOTAL NUMBER OF OBSERVATIONS 906														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.1										.2	3.5	3.5
020-040	.7	.1										.8	3.1	4.0
050-070	.6	.2										.8	4.4	4.0
(E) 080-100	1.5	.4										2.0	3.2	2.5
110-130	1.8	1.8	.4									4.0	5.2	5.5
140-160	2.3	2.2	.7		.1							5.3	5.5	5.0
(S) 170-190	3.0	2.6	1.3									6.9	6.0	5.0
200-220	3.6	3.5	.8									7.9	5.2	5.0
230-250	5.8	8.4	.9	.1								15.2	5.5	5.0
(W) 260-280	10.0	22.9	1.8									34.7	5.7	6.0
290-310	4.6	9.3	1.2									15.1	5.8	6.0
320-340	.8	1.0	.2									2.0	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											5.2	////////	
TOTALS	34.8	52.5	7.3	.1	.1							100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 908

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.1	.2		.1							1.0	7.3	4.5
020-040	.5			.2								.7	7.3	2.0
050-070	.4	.1	.1		.1							.7	8.3	5.0
(E) 080-100	.2	.5		.2								1.0	8.3	7.0
110-130	.5	.7	.2									1.5	5.7	6.0
140-160	.7	.9	.4	.1								2.1	6.4	5.0
(S) 170-190	1.2	.9		.4								2.5	6.3	4.5
200-220	1.1	2.0	1.5	.1								4.7	7.1	6.5
230-250	5.3	8.7	1.7	.1								15.8	6.1	6.0
(W) 260-280	10.1	26.3	2.8									39.2	6.0	6.0
290-310	7.5	13.3	3.2	.1								24.1	6.3	6.0
320-340	1.1	2.8	.4		.1							4.4	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											2.3	////////////////////////////////	
TOTALS	29.1	56.3	10.5	1.2	.3							100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 814														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.6	.9	.9	.6		.2						5.2	7.6	5.0
020-040	.8	1.1	1.4	.9	.5							4.6	11.3	10.0
050-070		.5	.5	.3	.2	.2						1.5	13.4	12.5
(E) 080-100	.5	.5	.5		.5							1.8	10.6	9.0
110-130	.9	1.1	.9	.3	.2							3.4	8.9	8.0
140-160	1.2	1.2	.5	.5	.2							3.5	7.9	7.0
(S) 170-190	.6	.6	.3									1.5	6.2	5.0
200-220	1.7	2.2	1.2	.3								5.4	7.4	8.0
230-250	6.0	4.8	.5	.2								11.4	4.9	4.0
(W) 260-280	13.4	10.9	.2									24.4	4.4	4.0
290-310	9.4	10.6	1.8	.2								22.0	5.4	5.0
320-340	3.5	3.7	.8									8.0	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											7.2	////////////////////////////////	
TOTALS	40.6	38.1	9.5	3.3	1.6	.4						100.0	5.7	5.0
TOTAL NUMBER OF OBSERVATIONS 651														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.2										3.7	4.3	4.0
020-040	1.8	1.2	1.2	.6	.6							5.5	8.7	6.0
050-070	.6		.6		.6		.6					2.4	17.5	17.0
(E) 080-100		2.4	1.2	.6	.6							4.9	11.0	9.5
110-130	3.0	3.0	4.3	1.2			.6					12.2	9.4	9.0
140-160	1.8	1.8	.6	.6								4.9	7.6	8.5
(S) 170-190	4.3	2.4										6.7	4.3	3.0
200-220	4.3	3.0		1.2								8.5	5.5	4.5
230-250	5.5	1.8										7.3	3.7	3.5
(W) 260-280	9.1	1.2										10.4	3.2	3.0
290-310	7.3	1.8										9.1	3.2	3.0
320-340	3.7	1.2	.6									5.5	4.1	2.0
VARIABLE														
CALM	////////////////////////////////////											18.9	////////////////////////////////	
TOTALS	43.8	21.0	8.5	4.2	1.8		1.2					100.0	5.0	4.0

TOTAL NUMBER OF OBSERVATIONS 164

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.4	.2	.1	.0	.0						1.7	6.2	4.0
020-040	1.0	.3	.2	.2	.1							1.8	7.0	4.0
050-070	1.3	.3	.2	.0	.1	.0	.0					2.0	5.6	4.0
(E) 080-100	3.7	2.7	.2	.1	.1							6.9	4.9	4.0
110-130	6.0	6.9	1.0	.1	.0		.0					14.1	5.5	5.0
140-160	3.5	3.0	.7	.1	.0							7.3	5.4	5.0
(S) 170-190	2.6	1.3	.4	.1								4.4	4.9	4.0
200-220	2.4	2.0	.7	.1								5.2	5.5	5.0
230-250	4.5	4.5	.6	.1								9.6	5.2	5.0
(W) 260-280	7.5	11.3	.9									19.8	5.3	5.0
290-310	5.0	6.4	1.2	.0								12.6	5.6	5.0
320-340	1.5	1.7	.3		.0							3.5	5.3	5.0
VARIABLE														
CALM	////////////////////											11.2	////	////
TOTALS	40.0	40.8	6.6	.9	.3							100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 4597

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS													
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN
(DEGREES)												%	WIND
(W) 350-010													
020-040				11.1								11.1	18.0
050-070													
(E) 080-100					11.1							11.1	22.0
110-130				11.1								11.1	16.0
140-160					11.1							11.1	23.0
(S) 170-190				11.1								11.1	16.0
200-220		11.1										11.1	8.0
230-250			11.1	11.1								22.2	14.0
(W) 260-280													
290-310													
320-340					11.1							11.1	22.0
VARIABLE													
CALM	////////////////////////////////////											.0	////////////////////////////////
TOTALS		11.1	11.1	44.4	33.3							100.0	17.0

TOTAL NUMBER OF OBSERVATIONS 9

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.4	.2									2.2	3.8	3.5
020-040	2.4	.9										3.3	3.1	2.0
050-070	6.3	2.0										8.3	3.4	3.0
(E) 080-100	13.5	10.0	.2									23.7	4.3	4.0
110-130	17.4	13.5	.4									31.3	4.5	4.0
140-160	3.3	2.0	.4									5.7	4.9	4.0
(S) 170-190	.7	.2										.9	3.0	2.5
200-220	1.1	.9										2.0	4.7	4.0
230-250	.7	.2										.9	3.3	3.0
(W) 260-280	1.1											1.1	2.4	2.0
290-310	.4	.4		.2								1.1	6.4	5.0
320-340	.2	.2										.4	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											19.3	////////	
TOTALS	48.6	30.7	1.2	.2								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 460

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.3										1.0	3.5	3.0
020-040	2.6	.6	.1									3.4	3.3	3.0
050-070	4.9	1.7	.3									6.9	4.0	3.0
(E) 080-100	13.1	9.1	.3									22.4	4.5	4.0
110-130	18.5	18.9	1.3									38.8	4.9	5.0
140-160	4.5	3.6										8.2	4.5	4.0
(S) 170-190	1.4	.1										1.6	3.1	3.0
200-220	1.3	.3										1.6	3.0	2.5
230-250	.9	.5										1.4	3.9	4.0
(W) 260-280	.8											.8	2.8	3.0
290-310	.4	.4										.8	4.2	4.5
320-340	1.2											1.2	2.2	2.0
VARIABLE														
CALM	////////////////////////////////////											12.1	////////	
TOTALS	50.4	35.5	2.0									100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 771

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.5	.2									1.9	4.3	3.5
020-040	.6	.3										1.0	3.2	2.0
050-070	1.0	.8	.4									2.2	6.0	5.5
(E) 080-100	4.3	3.3	1.3									8.9	5.0	5.0
110-130	8.6	11.6	3.0									23.2	5.9	5.0
140-160	8.5	5.9	1.6	.2								16.2	5.0	4.0
(S) 170-190	4.1	2.0	.1									6.2	4.0	3.5
200-220	3.3	1.7										5.1	3.6	3.0
230-250	3.3	1.1	.1									4.5	3.7	4.0
(W) 260-280	4.7	2.4	.1									7.2	4.0	4.0
290-310	3.0	1.4										4.4	4.0	4.0
320-340	1.9	.5	.1	.1								2.7	4.1	2.0
VARIABLE														
CALM	////////////////////////////////////											16.5	////////	
TOTALS	44.5	31.5	6.9	.3								100.0	4.1	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.1	.1									1.4	3.7	3.0
020-040	.3	.4	.2									1.0	5.9	6.0
050-070	.9	.2										1.1	3.8	3.0
(E) 080-100	1.2	1.1	.3									2.6	5.5	5.5
110-130	3.1	4.2	1.3	.1								8.7	6.1	6.0
140-160	4.3	3.8	1.3	.2								9.6	5.9	5.0
(S) 170-190	2.9	3.0			.1							6.0	5.0	5.0
200-220	4.7	3.4	.5	.1								8.8	4.9	4.0
230-250	7.1	7.8	.8									15.7	5.0	5.0
(W) 260-280	7.4	14.7	.8									22.9	5.5	5.0
290-310	4.7	8.2	.4									13.3	5.3	5.0
320-340	2.4	.8	.1	.1								3.3	4.3	4.0
VARIABLE														
CALM	////////////////////////////////////											5.6	////////	
TOTALS	40.2	47.7	5.8	.5	.1							100.0	5.0	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.2	.2	.2	.1							1.7	7.3	4.5
020-040	.4	.4	.2									1.0	6.8	6.5
050-070	.6	.6				.1						1.3	6.4	5.0
(E) 080-100	.8	.4	.1	.1	.1							1.5	7.2	4.0
110-130	1.0	1.5	.4	.2								3.1	6.8	6.0
140-160	1.5	3.3	1.1									6.0	6.4	6.0
(S) 170-190	1.1	1.9	.5					.1				3.6	7.0	6.0
200-220	1.0	1.7	.6	.7								3.9	7.8	7.0
230-250	6.0	9.8	1.0	.1								16.8	5.6	6.0
(W) 260-280	10.8	23.0	3.3									37.2	6.1	6.0
290-310	5.6	9.3	1.8									16.7	5.8	5.0
320-340	1.4	1.4	.2	.1		.1		.1				3.5	6.9	5.0
VARIABLE														
CALM	////////////////////////////////////											3.8	////////	
TOTALS	31.0	53.5	9.4	1.4	.2	.2		.2				100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 839

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.3	.6	.3								4.3	7.4	7.0
020-040	.5	.6	.6	.2			.2					2.0	9.8	9.0
050-070	.8	.5	.8	.3	.3	.2						2.7	10.9	10.0
(E) 080-100	.5	1.1	.8	.5	.2	.2						3.0	10.6	10.0
110-130	.9	.9	1.7	.2								3.7	8.4	9.5
140-160	1.8	1.7	.8	1.2	.2	.2						5.8	8.8	8.0
(S) 170-190	2.3	1.7	.5									4.4	5.2	4.0
200-220	.9	1.7	1.5	.6								4.7	8.8	9.0
230-250	6.8	3.0	.8									10.7	4.6	4.0
(W) 260-280	11.3	7.6	.3		.2							19.3	4.4	4.0
290-310	8.7	8.5	.5									17.7	4.7	5.0
320-340	5.9	2.4	.6									9.0	4.3	4.0
VARIABLE														
CALM	////////////////////											12.8	////////	
TOTALS	41.5	32.0	9.5	3.3	.9	.6	.2					100.0	5.1	5.0
TOTAL NUMBER OF OBSERVATIONS 657														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.1	1.9										5.0	4.5	4.0
020-040	.6	.6										1.3	5.5	5.5
050-070	.6		.6									1.3	6.0	6.0
(E) 080-100	3.8	1.9	2.5	1.3								9.4	7.1	6.0
110-130	2.5	4.4	1.3	.6	.6							9.4	8.3	8.0
140-160	1.9	1.9	.6	.6								5.0	7.9	8.0
(S) 170-190	1.9		.6	.6								3.1	6.8	2.0
200-220	3.1	1.3	.6	.6								5.7	6.7	4.0
230-250	2.5	1.9		.6								5.0	6.1	5.0
(W) 260-280	7.5	1.3										8.8	3.1	2.5
290-310	6.3	1.9		.6								8.8	4.8	4.0
320-340	6.9	1.3										8.2	3.1	2.0
VARIABLE														
CALM	////////////////////////////////////											28.9	////////////////////////////////	
TOTALS	40.7	18.4	6.2	4.9	.6							100.0	4.1	4.0
TOTAL NUMBER OF OBSERVATIONS 159														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.6	.2	.1	.0							2.1	5.4	4.0
020-040	1.0	.5	.2	.0			.0					1.7	5.0	4.0
050-070	2.0	.8	.3	.0	.0	.0						3.2	5.1	4.0
(E) 080-100	4.8	3.6	.6	.1	.0	.0						9.2	5.1	4.0
110-130	7.4	8.0	1.4	.1	.0							17.0	5.5	5.0
140-160	4.2	3.6	.9	.3	.0	.0						9.0	5.7	5.0
(S) 170-190	2.2	1.6	.2	.0	.0			.0				4.1	4.9	4.0
200-220	2.3	1.7	.4	.3								4.7	5.5	5.0
230-250	4.3	4.1	.4	.0								8.9	5.0	5.0
(W) 260-280	6.3	8.5	.8		.0							15.7	5.4	5.0
290-310	4.0	4.9	.5	.0								9.4	5.1	5.0
320-340	2.4	.9	.2	.1		.0		.0				3.5	4.5	4.0
VARIABLE														
CALM	////////////////////											11.6	////////	
TOTALS	42.0	38.8	6.1	1.0								100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 4746

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040						6.7						6.7	30.0	25.0
050-070					6.7	6.7						13.3	24.0	24.0
(E) 080-100					6.7							6.7	24.0	24.0
110-130			33.3									33.3	10.8	10.0
140-160			6.7									6.7	14.0	14.0
(S) 170-190			6.7					6.7				13.3	23.0	18.0
200-220			6.7									6.7	12.0	12.0
230-250	6.7											6.7	1.0	1.0
(W) 260-280					6.7							6.7	20.0	20.0
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											.0	////////////////////////////////	
TOTALS	6.7		53.4		20.1	6.7	6.7	6.7				100.0	16.6	13.0

TOTAL NUMBER OF OBSERVATIONS 15

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.0	.2										1.2	3.6	3.0
020-040	1.2	.7	.2									2.1	5.2	4.0
050-070	8.1	.5										8.6	2.9	3.0
(E) 080-100	23.6	12.9	.7									37.1	4.3	4.0
110-130	14.5	11.9	1.4									27.9	4.9	4.0
140-160	1.4	.5	.5									2.4	5.0	4.0
(S) 170-190	.7	.7	.2									1.7	4.9	5.0
200-220	.5	.5	.2	.2								1.4	7.7	7.5
230-250	.5	1.0										1.4	5.2	5.0
(W) 260-280	.5											.5	3.0	3.0
290-310	1.0											1.0	2.0	2.0
320-340														
VARIABLE														
CALM	////////////////////////////////////											14.8	////////	
TOTALS	53.0	28.9	3.2	.2								100.0	3.8	4.0
TOTAL NUMBER OF OBSERVATIONS 420														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.6	.1									1.3	4.9	5.0
020-040	1.5	.6	.1									2.2	3.8	3.5
050-070	3.9	1.5	.3	.1								5.9	4.3	4.0
(E) 080-100	18.0	10.6	.4	.1								29.2	4.4	4.0
110-130	16.2	18.9	.8	.1								36.0	5.0	5.0
140-160	3.5	2.7	.1									6.3	4.3	4.0
(S) 170-190	1.0		.1									1.1	4.0	3.0
200-220	.7	.6										1.3	4.3	4.0
230-250	.3	.1										.4	4.0	4.0
(W) 260-280	.8	.3	.1									1.3	3.8	2.0
290-310	.4	.1										.6	3.8	3.5
320-340	1.0	.6	.1									1.7	5.3	4.0
VARIABLE														
CALM	////////////////////////////////////											12.8	////////	
TOTALS	47.9	36.6	2.1	.3								100.0	4.0	4.0
TOTAL NUMBER OF OBSERVATIONS 716														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.1	.2	.2								1.1	7.2	6.0
020-040	.7	.7	.2	.1								1.7	6.5	6.0
050-070	1.0	.3	1.0	.2								2.6	7.7	9.0
(E) 080-100	3.5	2.6	2.3	.8	.1							9.3	7.3	5.5
110-130	8.9	12.3	2.7	.9	.1							24.9	6.2	6.0
140-160	7.2	9.1	.8									17.1	5.3	5.0
(S) 170-190	4.4	2.5	1.0									8.0	5.1	4.0
200-220	2.6	.8	.3	.1								3.9	4.5	3.0
230-250	2.8	1.6	.1									4.6	4.0	4.0
(W) 260-280	2.5	.5		.1								3.1	3.7	3.0
290-310	1.8	1.0	.1									3.0	3.8	3.0
320-340	.7	.3	.1		.1							1.3	6.7	4.0
VARIABLE														
CALM	////////////////////////////////////											19.6	////////	
TOTALS	36.7	31.8	8.8	2.4	.3							100.0	4.6	5.0
TOTAL NUMBER OF OBSERVATIONS 879														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.7										1.9	4.2	4.0
020-040	.3	.3	.5									1.1	7.2	6.5
050-070	.6	.8	.3									1.7	6.5	7.0
(E) 080-100	1.1	1.0	1.8	.7	.1							4.8	8.9	10.0
110-130	2.7	4.1	2.4	.5	.2							9.9	7.6	8.0
140-160	3.0	3.3	.7	.1								7.1	5.8	6.0
(S) 170-190	3.8	4.0	1.6	.2								9.6	6.0	5.0
200-220	3.9	3.1	1.5	.5	.1							9.0	6.2	5.0
230-250	7.1	5.1	1.4									13.5	5.2	4.0
(W) 260-280	7.3	8.8	.9									17.0	5.2	5.0
290-310	5.1	4.1	.7									9.9	4.8	4.0
320-340	2.0	1.9	.3	.1								4.4	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											10.1	////////	
TOTALS	38.2	37.2	12.1	2.1	.4							100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 879

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	.5	.9	.6									2.0	7.1	6.0
020-040	.9											.9	3.4	4.0
050-070	.1	.3		.3								.6	10.0	9.0
(E) 080-100	.5	1.7	1.1	.4	.1							3.8	9.2	7.5
110-130	1.1	2.8	2.0	.1								6.1	7.5	8.0
140-160	1.7	1.9	.1	.3								4.0	5.9	5.0
(S) 170-190	1.0	1.0	1.3	.5								3.8	8.3	7.0
200-220	1.0	2.9	1.0	.4								5.4	7.6	7.0
230-250	5.2	7.3	1.5	.3								14.3	6.1	6.0
(W) 260-280	9.6	19.5	2.3	.1								31.5	5.8	6.0
290-310	7.2	9.8	1.3	.5								18.8	5.7	5.0
320-340	2.0	2.2	.1	.3								4.6	5.7	5.0
VARIABLE														
CALM	////////////////////////////////////											4.1	////////	
TOTALS	30.8	50.3	11.3	3.2	.1							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 783

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.7	.8									3.1	6.1	5.0
020-040	.8	1.0	.7									2.5	6.6	6.0
050-070	1.5	1.2	.3	.2								3.2	6.2	5.0
(E) 080-100	1.9	1.9	1.0	.2								4.9	6.7	6.0
110-130	2.9	1.5	.8	.3								5.6	6.1	4.0
140-160	.5	.7	.3	.2	.2							1.9	8.5	7.0
(S) 170-190	1.9	.7	.2	.3	.2							3.2	6.0	3.0
200-220	1.2	.7	1.2	.3								3.4	8.1	9.0
230-250	5.6	2.0	.3	.2								8.1	4.3	4.0
(W) 260-280	13.4	7.3	.7	.2								21.5	4.4	4.0
290-310	9.8	4.4	.7	.2								15.1	4.4	4.0
320-340	6.6	2.5	.5									9.7	4.3	4.0
VARIABLE														
CALM	////////////////////////////////////											17.8	////////	
TOTALS	47.6	24.6	7.5	2.1	.4							100.0	4.2	4.0
TOTAL NUMBER OF OBSERVATIONS 590														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.4	2.1	.7									4.2	6.0	6.5
020-040	4.9	.7										5.6	2.9	2.5
050-070	4.9	.7	1.4									7.0	4.8	2.5
(E) 080-100	6.3	3.5	.7									10.5	4.9	4.0
110-130	4.9	3.5	.7	.7								9.8	6.1	5.0
140-160	2.8	4.9										7.7	4.9	5.0
(S) 170-190	1.4		.7	.7								2.8	8.0	7.5
200-220	.7	2.1										2.8	6.0	6.0
230-250	1.4	1.4										2.8	5.0	5.0
(W) 260-280	2.8	1.4	.7									4.9	4.7	4.0
290-310	4.9	1.4										6.3	3.0	2.0
320-340	2.8	.7										3.5	3.4	3.0
VARIABLE														
CALM	////////////////////////////////////											32.2	////////////////////////////////	
TOTALS	39.2	22.4	4.9	1.4								100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 143

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.6	.3	.0								1.8	5.7	5.0
020-040	1.0	.5	.3	.0								1.8	5.3	4.0
050-070	2.1	.7	.4	.1								3.4	5.2	4.0
(E) 080-100	6.6	4.3	1.3	.4	.1							12.8	5.5	4.0
110-130	7.1	8.3	1.8	.4	.1							17.6	5.8	5.0
140-160	3.2	3.5	.4	.1	.0							7.3	5.4	5.0
(S) 170-190	2.3	1.6	.8	.2	.0							5.0	6.0	5.0
200-220	1.8	1.6	.7	.2	.0							4.4	6.4	5.0
230-250	3.8	3.1	.6	.1								7.5	5.2	4.0
(W) 260-280	5.7	6.4	.7	.1								12.9	5.2	5.0
290-310	4.3	3.4	.5	.1								8.3	4.9	4.0
320-340	2.0	1.3	.2	.1	.0							3.6	5.2	4.0
VARIABLE														
CALM	////////////////////											13.6	////	////
TOTALS	40.8	35.3	8.0	1.8	.2							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 4410

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786 STATION NAME: WILLIAMS AFB/CHANDLER AZ PERIOD OF RECORD: APR 81 - MAR 91
LST TO UTC: + 7 MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010														
020-040														
050-070				25.0								25.0	11.0	11.0
(E) 080-100														
110-130			25.0	25.0								50.0	10.5	10.5
140-160														
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310														
320-340			25.0									25.0	9.0	9.0
VARIABLE														
CALM		////////////////////										.0	////////////////	
TOTALS			50.0	50.0								100.0	10.3	10.0

TOTAL NUMBER OF OBSERVATIONS 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.5										1.6	3.3	3.0
020-040	2.1	.5										2.6	3.4	3.0
050-070	6.6	2.6										9.2	3.2	3.0
(E) 080-100	27.9	9.4	.5									37.8	3.6	4.0
110-130	14.1	7.3	.2									21.6	4.0	4.0
140-160	2.1	1.4	.2									3.8	4.1	4.0
(S) 170-190	1.4											1.4	2.8	3.0
200-220	.2	1.2	.2									1.6	6.7	8.0
230-250	.2	.2										.5	5.0	5.0
(W) 260-280	.2	.2										.5	5.0	5.0
290-310	.7											.7	3.0	3.0
320-340	.9	.2										1.2	3.6	3.0
VARIABLE														
CALM	////////////////////////////////////											17.6	////////	
TOTALS	57.6	23.5	1.1									100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 426

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.4										1.1	3.4	3.0
020-040	.9	.5	.1									1.6	3.9	2.5
050-070	5.7	1.5										7.1	3.2	3.0
(E) 080-100	18.2	7.3	.3									25.7	3.8	4.0
110-130	19.1	8.9	.1									28.1	4.0	4
140-160	5.7	2.7										8.3	3.8	4.0
(S) 170-190	1.2	.5										1.7	3.7	3.0
200-220	1.1	.5	.4									2.0	5.7	4.0
230-250	.4	.1										.5	2.5	2.0
(W) 260-280	.5		.1									.7	4.2	2.0
290-310	.7											.7	3.4	4.0
320-340	.5											.5	2.5	2.0
VARIABLE														
CALM	////////////////////											21.8	////////	
TOTALS	54.7	22.4	1.0									100.0	3.0	4.0
TOTAL NUMBER OF OBSERVATIONS 743														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.2	.2	.2									1.7	3.9	3.0
020-040	.7	.2	.3	.2								1.4	7.2	6.0
050-070	1.4	1.0	.4	.1								3.0	5.7	5.0
(E) 080-100	2.8	2.9	1.1	.4								7.2	6.7	6.0
110-130	10.0	7.5	1.3									18.8	4.9	4.0
140-160	5.8	4.5	.8									11.1	4.7	4.0
(S) 170-190	2.2	1.2	.3	.1								3.9	5.1	4.0
200-220	2.9	.9	.4									4.2	4.0	3.0
230-250	2.4	1.1	.1	.3								4.0	4.8	3.5
(W) 260-280	2.3	.6	.1									3.0	3.3	2.0
290-310	1.7	.4	.1									2.2	3.3	2.5
320-340	1.3	.2										1.5	3.1	3.0
VARIABLE														
CALM	////////////////////////////////////											38.2	////////	
TOTALS	34.7	20.7	5.1	1.1								100.0	3.0	4.0
TOTAL NUMBER OF OBSERVATIONS 909														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.9		.1								2.2	4.8	4.0
020-040	1.4	.3	.4									2.2	4.4	3.0
050-070	1.5	.8	.1	.1								2.5	4.8	4.0
(E) 080-100	1.8	.8	1.3	.3	.1							4.3	7.8	8.0
110-130	4.0	3.1	1.9									8.9	5.7	5.0
140-160	4.4	2.5	.7	.4								8.0	5.2	4.0
(S) 170-190	3.6	2.9	.7	.1								7.3	5.2	4.5
200-220	2.5	2.4	1.5	.2								6.7	6.3	6.0
230-250	6.5	2.4	.8	.1								9.8	4.2	3.0
(W) 260-280	8.7	2.5	.4	.1	.1							11.9	4.0	3.0
290-310	5.5	1.9	.2	.1								7.7	3.8	3.0
320-340	2.1	.7										2.8	3.4	3.0
VARIABLE														
CALM	////////////////////////////////////											25.7	////////////////////////////////	
TOTALS	43.2	21.2	8.0	1.5	.2							100.0	3.7	4.0
TOTAL NUMBER OF OBSERVATIONS 909														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(M) 350-010	1.2	1.1	.1	.1								2.6	5.4	5.0
020-040	.9	.6	.2		.1							1.9	6.4	5.0
050-070	.9	.4		.1								1.4	4.6	4.0
(E) 080-100	1.0	1.1	.7	.2								3.1	7.6	8.0
110-130	2.2	2.2	1.2	.4	.2							6.3	7.5	6.0
140-160	1.6	1.2	.1	.1								3.1	5.2	4.0
(S) 170-190	2.3	1.9										4.2	4.4	4.0
200-220	2.2	1.4	1.7	.4	.2							5.9	7.7	6.0
230-250	7.3	4.9	1.5									13.7	4.9	4.0
(W) 260-280	15.3	6.3	.9	.1								22.6	4.1	4.0
290-310	11.4	3.7	.6	.2	.1							16.0	4.3	3.5
320-340	3.5	2.2	.2									5.9	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											13.3	////////	
TOTALS	49.8	27.0	7.2	1.6	.6							100.0	4.4	4.0
TOTAL NUMBER OF OBSERVATIONS 810														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	.5		.2								5.3	3.2	2.0
020-040	2.5	.9	.2									3.5	3.8	3.5
050-070	2.7	.7	.2	.2								3.7	4.4	2.0
(E) 080-100	1.9	.9	.7									3.5	5.5	3.0
110-130	2.1	1.2	.7									4.1	5.7	4.0
140-160	1.4	1.6	.5									3.5	5.4	6.0
(S) 170-190	1.1	.9										1.9	4.6	4.0
200-220	2.7	.9	1.8									5.3	6.4	4.5
230-250	3.9	1.4	.4									5.7	3.9	3.0
(W) 260-280	8.7	2.3	.2									11.1	3.4	3.0
290-310	8.3	1.6	.5									10.4	3.6	2.0
320-340	3.2	.9										4.1	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											37.8	////////	
TOTALS	43.1	13.8	5.2	.4								100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 566

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2											1.2	2.0	2.0
020-040	1.2											1.2	3.0	3.0
050-070	4.8	1.2										6.0	3.2	2.0
(E) 080-100	8.4			1.2								9.6	3.6	2.0
110-130	13.3		1.2									14.5	3.4	3.0
140-160	3.6	1.2										4.8	3.3	3.0
(S) 170-190	4.8	1.2										6.0	3.8	3.0
200-220		2.4										2.4	8.0	8.0
230-250	2.4	1.2										3.6	3.7	3.0
(W) 260-280	2.4	1.2										3.6	4.7	3.0
290-310	2.4	1.2										3.6	4.7	4.0
320-340	1.2											1.2	2.0	2.0
VARIABLE														
CALM	////////////////////////////////////											42.2	////////	
TOTALS	45.7	9.6	1.2	1.2								100.0	2.2	3.0

TOTAL NUMBER OF OBSERVATIONS 83

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.6	.1	.1								2.3	4.1	3.0
020-040	1.3	.5	.2	.0	.0							2.1	4.8	4.0
050-070	2.8	1.0	.1	.1								4.0	4.0	3.0
(E) 080-100	7.2	3.2	.8	.2	.0							11.4	4.7	4.0
110-130	8.3	4.9	1.0	.1	.0							14.4	4.8	4.0
140-160	3.8	2.5	.4	.1								6.8	4.7	4.0
(S) 170-190	2.2	1.4	.2	.0								3.8	4.8	4.0
200-220	2.0	1.3	1.0	.1	.0							4.5	6.2	5.0
230-250	3.8	1.9	.5	.1								6.2	4.5	4.0
(W) 260-280	6.3	2.1	.3	.0	.0							8.8	3.9	3.0
290-310	4.8	1.4	.2	.1	.0							6.5	3.9	3.0
320-340	1.9	.7	.0									2.7	3.8	3.0
VARIABLE														
CALM	////////////////////											26.4	////////	
TOTALS	46.0	21.5	4.8	.9								100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 4446

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010			10.0	10.0								20.0	13.0	13.0
020-040					10.0							10.0	20.0	20.0
050-070														
(E) 080-100		10.0										10.0	8.0	8.0
110-130														
140-160	10.0			20.0								30.0	11.3	15.0
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310		10.0			10.0							20.0	14.0	14.0
320-340		10.0										10.0	9.0	9.0
VARIABLE														
CALM	////////////////////////////////////											.0	////////////////////////////////	
TOTALS	10.0	30.0	10.0	30.0	20.0							100.0	12.5	13.0

TOTAL NUMBER OF OBSERVATIONS 10

C - 4 - 90

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.5										2.3	3.4	4.0
020-040	3.8	1.0										4.9	3.6	3.0
050-070	5.9	2.6										8.4	3.4	3.0
(E) 080-100	29.4	8.7	.5	.3								38.9	3.7	4.0
110-130	10.5	6.4										16.9	4.0	4.0
140-160	1.5	1.0										2.6	3.5	3.0
(S) 170-190	.3	.8										1.0	6.5	7.0
200-220	1.0	.3	.5									1.8	5.4	4.0
230-250	.8	.3		.5								1.5	7.3	4.5
(W) 260-280														
290-310		.8										.8	6.3	6.0
320-340	.8											.8	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											20.2	////////	
TOTALS	55.8	22.4	1.0	.8								100.0	3.1	4.0
TOTAL NUMBER OF OBSERVATIONS 391														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	2.0	2.0
020-040	1.7	.3	.3									2.3	3.4	2.0
050-070	6.0	1.5										7.4	3.5	4.0
(E) 080-100	23.7	8.1										31.8	3.6	3.0
110-130	17.0	6.8	.6									24.4	3.8	4.0
140-160	3.5	1.0	.1									4.7	3.9	3.0
(S) 170-190	.9	.1	.4									1.5	5.4	3.5
200-220	.6	.7	.1									1.5	5.0	5.0
230-250	.3	.1	.4									.9	7.3	9.5
(W) 260-280	.3	.1										.4	4.0	4.0
290-310	.4											.4	3.0	3.0
320-340	.4			.1								.6	6.3	3.5
VARIABLE														
CALM	////////////////////////////////////											23.7	////////	
TOTALS	55.2	18.7	1.9	.1								100.0	2.9	3.0
TOTAL NUMBER OF OBSERVATIONS 688														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7											.7	3.3	3.5
020-040	1.6	.1	.4	.2	.1							2.5	6.9	4.0
050-070	1.8	.6	.5									2.8	4.6	4.0
(E) 080-100	5.1	4.0	.6	.5	.1							10.2	5.6	5.0
110-130	8.5	7.6	.9	.2								17.3	5.0	5.0
140-160	5.6	2.6	.5									8.7	4.4	4.0
(S) 170-190	2.0	.8	.4	.1	.1							3.4	5.6	4.0
200-220	1.8	1.2	.5	.1								3.5	5.4	4.5
230-250	3.3	.5	.1									3.9	3.0	2.0
(W) 260-280	3.2	.6										3.8	3.5	3.0
290-310	2.5	.2										2.7	2.9	3.0
320-340	1.1	.4		.1								1.5	4.2	2.0
VARIABLE														
CALM	////////////////////////////////////											38.9	////////	
TOTALS	37.2	18.6	3.9	1.2	.3							100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 850

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.4	.2									3.6	4.7	4.0
020-040	1.1	.6	.8	.1								2.6	6.3	5.0
050-070	1.1	1.1	.7	.4								3.2	7.4	6.0
(E) 080-100	1.2	1.4	1.5	.5	.1							4.7	8.4	8.0
110-130	1.5	1.9	1.1	.2								4.7	7.3	7.5
140-160	2.5	1.8	.9	.1	.1							5.4	6.1	5.0
(S) 170-190	2.1	1.1	.7	.2								4.1	6.0	4.0
200-220	2.5	2.9	.5	.4	.1							6.3	6.0	5.0
230-250	5.3	2.3	.9									8.5	4.7	4.0
(W) 260-280	5.8	2.0	1.3									9.1	4.7	4.0
290-310	6.8	2.5	.7		.1							10.1	4.1	3.0
320-340	4.3	1.1	.1									5.5	3.3	3.0
VARIABLE														
CALM	////////////////////////////////////											32.3	////////	
TOTALS	36.2	20.1	9.4	1.9	.4							100.0	3.7	4.0
TOTAL NUMBER OF OBSERVATIONS 855														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.7	.1									3.6	4.7	5.0
020-040	1.1	.5	.3	.1								2.0	5.9	4.0
050-070	1.2	.7	.8									2.6	6.4	5.5
(E) 080-100	.8	2.4	1.3	.7								5.2	8.7	8.0
110-130	1.5	.9	.9									3.3	6.6	7.0
140-160	.5	.7	.1	.1								1.5	6.6	5.0
(S) 170-190	1.3	1.2	.1	.1	.4	.3	.1					3.6	9.9	6.0
200-220	2.5	1.1										3.6	3.7	3.0
230-250	6.3	3.2	.7									10.2	4.6	4.0
(W) 260-280	13.6	4.9	2.0	.4	.3							21.2	4.8	4.0
290-310	10.6	3.8	.4	.1								14.9	3.9	3.0
320-340	5.0	1.6										6.6	3.5	3.0
VARIABLE														
CALM	////////////////////////////////////											21.8	////////////////////////////////	
TOTALS	46.1	22.7	6.7	1.5	.7	.3	.1					100.0	4.0	4.0
TOTAL NUMBER OF OBSERVATIONS 756														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	.4										4.7	2.4	2.0
020-040	4.7	1.6	.2	.2								6.7	3.9	3.0
050-070	4.7	2.0	.4									7.1	3.8	3.0
(E) 080-100	3.6	.6	.4	.2	.2							4.9	4.9	3.0
110-130	2.0	1.4	1.6	.2								5.1	6.8	7.5
140-160	1.8	.2										2.0	3.1	2.5
(S) 170-190	.4	.2					.2					.8	10.5	4.5
200-220	1.6	.4										2.0	3.8	3.5
230-250	3.4	.4		.2								3.9	3.8	2.0
(W) 260-280	8.9	1.2	.2		.2							10.5	3.6	2.0
290-310	5.7	1.6										7.3	3.2	3.0
320-340	3.2	.2										3.4	2.7	2.0
VARIABLE														
CALM	////////////////////////////////////											41.6	////////	
TOTALS	44.3	10.2	2.8	.8	.4		.2					100.0	2.3	3.0
TOTAL NUMBER OF OBSERVATIONS 507														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.5											4.5	4.0	4.0
020-040	6.8		2.3									9.1	5.8	4.0
050-070	4.5	2.3										6.8	4.0	4.0
(E) 080-100	2.3											2.3	3.0	3.0
110-130	9.1	2.3										11.4	3.8	3.0
140-160		2.3										2.3	5.0	5.0
(S) 170-190	2.3											2.3	2.0	2.0
200-220	2.3											2.3	2.0	2.0
230-250														
(W) 260-280			2.3									2.3	12.0	12.0
290-310	2.3											2.3	3.0	3.0
320-340	2.3											2.3	2.0	2.0
VARIABLE														
CALM	////////////////////////////////////											52.3	////////////////////////////////	
TOTALS	36.4	6.9	4.6									100.0	2.1	3.0

TOTAL NUMBER OF OBSERVATIONS 44

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ ,
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.7	.1									2.5	3.9	3.0
020-040	2.1	.6	.4	.1	.0							3.2	5.0	4.0
050-070	3.0	1.2	.4	.1								4.7	4.5	4.0
(E) 080-100	8.7	3.8	.8	.4	.1							13.8	4.7	4.0
110-130	6.6	4.1	.9	.1								11.7	4.8	4.0
140-160	2.7	1.3	.3	.0	.0							4.5	4.8	4.0
(S) 170-190	1.3	.7	.3	.1	.1	.0	.0					2.7	6.9	4.5
200-220	1.8	1.2	.3	.1	.0							3.4	5.1	4.0
230-250	3.5	1.3	.4	.1								5.3	4.5	4.0
(W) 260-280	5.5	1.6	.7	.1	.1							8.0	4.5	4.0
290-310	4.7	1.5	.2	.0	.0							6.5	3.8	3.0
320-340	2.6	.6	.0	.0								3.3	3.5	3.0
VARIABLE														
CALM	////////////////////											30.5	////////	
TOTALS	44.2	18.6	4.8	1.1	.3							100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 4091

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190	20.0					40.0	20.0					80.0	21.8	25.0
200-220														
230-250														
(W) 260-280				20.0								20.0	18.0	18.0
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											.0	////////////////////////////////	
TOTALS	20.0			20.0		40.0	20.0					100.0	21.0	25.0

TOTAL NUMBER OF OBSERVATIONS 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.3	.3									1.2	6.0	4.5
020-040	2.8	.3										3.1	2.5	2.0
050-070	7.7	2.8										10.4	3.4	3.0
(E) 080-100	24.2	10.7	.3									35.3	3.8	4.0
110-130	15.6	5.2										20.9	3.7	4.0
140-160	2.1	.9										3.1	3.6	2.0
(S) 170-190	1.2		.6									1.8	5.0	3.0
200-220	.9	.3	.3									1.5	4.2	3.0
230-250	.6											.6	3.0	3.0
(W) 260-280		.9										.9	5.3	5.0
290-310														
320-340	.6											.6	3.5	3.5
VARIABLE														
CALM	////////////////////////////////////											20.6	////////	
TOTALS	56.3	21.4	1.5									100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 326

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1		.2									1.2	2.9	2.0
020-040	2.3	.2	.2									2.6	3.3	2.0
050-070	8.7	2.0	.3									10.9	3.5	3.0
(E) 080-100	24.0	5.3	.3									29.6	3.4	3.0
110-130	15.3	4.7	.3									20.4	3.6	3.0
140-160	3.6	.2	.2									4.0	3.1	2.5
(S) 170-190	.9	.6	.3	.2								2.0	6.2	5.0
200-220	.8	.6	.6									2.0	6.7	6.0
230-250	.9											.9	3.2	3.5
(W) 260-280	.8											.8	2.2	2.0
290-310	.5	.2										.6	3.0	2.5
320-340	1.1	.2										1.2	3.5	3.0
VARIABLE														
CALM	////////////////////////////////////											23.9	////////	
TOTALS	60.0	14.0	2.4	.2								100.0	2.7	3.0

TOTAL NUMBER OF OBSERVATIONS 658

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.9	.2									2.0	5.1	5.0
020-040	2.1	.1	.2									2.4	3.2	2.0
050-070	2.4	.8	.1		.1							3.5	4.6	3.0
(E) 080-100	5.4	2.2	.8	.1		.1						8.7	5.1	4.0
110-130	10.9	5.9										16.8	4.1	4.0
140-160	5.8	1.5										7.3	3.4	3.0
(S) 170-190	2.7	.7	.1									3.5	3.6	3.0
200-220	2.4	1.9	.5									4.7	5.1	4.0
230-250	2.5	.9	.2									3.7	4.2	3.0
(W) 260-280	2.1	.5										2.5	3.1	2.0
290-310	1.6	.1										1.7	2.2	2.0
320-340	1.4	.5										1.9	3.1	2.5
VARIABLE														
CALM	////////////////////////////////////											41.3	////////	
TOTALS	40.1	16.0	2.1	.1	.1	.1						100.0	2.4	4.0
TOTAL NUMBER OF OBSERVATIONS 864														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	1.0	.7	.1								3.4	6.0	5.0
020-040	1.5	.8		.1								2.4	4.7	4.0
050-070	.8	.3	.1	.1	.1							1.5	6.6	4.0
(E) 080-100	1.3	.7	1.7	.8								4.5	8.9	10.0
110-130	2.5	1.6	.6									4.7	4.9	4.0
140-160	2.0	1.7	.1									3.8	4.9	4.0
(S) 170-190	2.7	.8	.1									3.6	4.0	4.0
200-220	4.5	1.7	.5									6.7	4.1	3.0
230-250	6.9	1.6	.6	.1								9.2	4.1	4.0
(W) 260-280	8.0	2.7	.7									11.3	4.0	3.5
290-310	6.8	2.0	.2	.1	.2							9.4	4.2	3.0
320-340	3.4	.8										4.2	3.0	2.0
VARIABLE														
CALM	////////////////////////////////////											35.3	////////	
TOTALS	41.9	15.7	5.3	1.3	.3							100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 865

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.2	.8									4.8	4.8	4.0
020-040	1.7	1.2										3.0	4.0	3.5
050-070	.7	.9	.1		.3							2.0	8.0	6.0
(E) 080-100	.9	1.2	.9	.1	.1							3.4	8.0	7.0
110-130	1.5	2.0	.7	.3								4.4	6.8	7.0
140-160	1.2	.5	.3									2.0	4.8	4.0
(S) 170-190	1.2	.8										2.0	4.1	4.0
200-220	2.7	.7	.7	.1								4.2	4.9	3.0
230-250	6.7	1.3	.1									8.2	3.2	3.0
(W) 260-280	13.3	3.6	.3	.1								17.3	3.6	3.0
290-310	11.0	4.3	.9	.3								16.5	4.3	4.0
320-340	4.0	1.7	.1	.1								6.0	4.4	3.0
VARIABLE														
CALM	////////////////////											26.2	////////	
TOTALS	47.7	19.4	4.9	1.0	.4							100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 745

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	1.0										5.2	3.0	2.0
020-040	4.0	.5										4.4	3.2	3.0
050-070	6.7	.7	.2	.2								7.9	3.5	2.5
(E) 080-100	7.2	1.0	.5									8.6	3.6	2.0
110-130	4.0	2.0	.2									6.2	4.1	4.0
140-160	1.0											1.0	3.0	3.0
(S) 170-190	1.5											1.5	2.0	2.0
200-220	1.7	.5										2.2	2.9	2.0
230-250	2.0											2.0	2.6	2.5
(W) 260-280	4.9	.5	.5									5.9	3.7	3.0
290-310	5.9	.2										6.2	3.0	3.0
320-340	2.0	.2										2.2	3.1	3.0
VARIABLE														
CALM	////////////////////////////////////											46.7	////////	
TOTALS	45.1	6.6	1.4	.2								100.0	1.8	3.0
TOTAL NUMBER OF OBSERVATIONS 405														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4											2.4	4.0	4.0
020-040		4.8										4.8	6.0	6.0
050-070	4.8											4.8	3.0	3.0
(E) 080-100	33.3	4.8										38.1	2.8	2.0
110-130	14.3	7.1										21.4	3.4	3.0
140-160														
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											28.6	////////	
TOTALS	54.8	16.7										100.0	2.3	3.0

TOTAL NUMBER OF OBSERVATIONS 42

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.8	.4	.0								3.0	4.7	4.0
020-040	2.2	.6	.1	.0								2.8	3.7	3.0
050-070	3.7	1.1	.2	.1	.1							5.1	4.2	3.0
(E) 080-100	8.8	2.8	.9	.2	.0	.0						12.8	4.4	4.0
110-130	7.7	3.6	.3	.1								11.7	4.1	4.0
140-160	2.8	.9	.1									3.9	3.8	4.0
(S) 170-190	1.8	.6	.2	.0								2.6	4.1	3.0
200-220	2.4	1.1	.5	.0								4.0	4.7	4.0
230-250	3.8	.8	.2	.0								4.8	3.7	3.0
(W) 260-280	5.4	1.5	.3	.0								7.2	3.7	3.0
290-310	4.7	1.3	.2	.1	.1							6.4	4.0	3.0
320-340	2.3	.7	.0	.0								3.0	3.6	3.0
VARIABLE														
CALM	////////////////////////////////////											32.8	////////////////////////////////	
TOTALS	47.3	15.8	3.4	.5	.2							100.0	2.8	3.0

TOTAL NUMBER OF OBSERVATIONS 3905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS														
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN	
(DEGREES)													%	WIND	WIND	
(M) 350-010		2.9											2.9	1.0	1.0	
020-040																
050-070		2.9											2.9	4.0	4.0	
(E) 080-100																
110-130		8.6	2.9										11.4	4.0	2.5	
140-160		2.9	2.9										5.7	6.0	6.0	
(S) 170-190		11.4											11.4	2.5	2.5	
200-220		5.7	2.9										8.6	3.0	2.0	
230-250			2.9										2.9	8.0	8.0	
(W) 260-280		2.9	5.7										8.6	5.0	5.0	
290-310																
320-340		2.9											2.9	2.0	2.0	
VARIABLE																
CALM		////////////////////////////////////											42.9	////////		
TOTALS		40.2	17.3										100.0	2.2	3.0	

TOTAL NUMBER OF OBSERVATIONS 35

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.7	.2	.1	.0	.0						2.4	4.8	4.0
020-040	1.4	.5	.2	.1	.0		.0					2.2	4.8	4.0
050-070	2.6	.8	.2	.1	.0	.0	.0					3.7	4.4	3.0
(E) 080-100	6.7	3.8	.6	.2	.0	.0	.0					11.4	4.8	4.0
110-130	7.1	6.4	.9	.1	.0		.0					14.5	5.1	5.0
140-160	3.4	2.2	.5	.1	.0	.0	.0					6.2	5.0	4.0
(S) 170-190	2.2	1.2	.5	.1	.0	.0	.0	.0				4.1	5.5	4.0
200-220	2.5	1.9	.9	.2	.0	.0	.0					5.4	6.0	5.0
230-250	3.9	3.2	.9	.1	.0							8.1	5.4	5.0
(W) 260-280	5.5	5.1	.9	.1	.0							11.6	5.2	5.0
290-310	4.6	3.2	.5	.1	.0							8.4	4.8	4.0
320-340	2.5	1.1	.2	.0	.0	.0		.0				3.7	4.2	4.0
VARIABLE														
CALM	////////////////////											18.4	////////	
TOTALS	43.9	30.1	6.5	1.3								100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS: 52735

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8		.8	.8								2.3	9.0	11.0
020-040				.8	.8		.8					2.3	22.7	20.0
050-070	.8	.8	.8		.8	.8						3.8	13.8	11.0
(E) 080-100	.8	2.3			1.5		.8					5.3	14.9	9.0
110-130	3.8	2.3	4.5	.8								11.3	7.9	9.0
140-160	3.8	.8	.8	1.5	.8							7.5	9.3	6.0
(S) 170-190	3.8		.8	1.5	1.5	1.5	.8	.8				10.5	15.6	16.5
200-220	3.0	3.0	.8	.8	.8	.8						9.0	9.2	5.5
230-250	1.5	.8	.8	1.5	2.3							6.8	13.2	16.0
(W) 260-280	.8	1.5	.8	1.5	.8							5.3	11.7	12.0
290-310	2.3	2.3			.8							5.3	7.3	6.0
320-340	2.3	1.5			.8							4.5	8.0	6.5
VARIABLE														
CALM	////////////////////////////////////											26.3	////////	
TOTALS	23.7	15.3	10.1	9.2	10.9	3.1	2.4	.8				100.0	8.3	9.0

TOTAL NUMBER OF OBSERVATIONS: 133

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

D - 1 - 1

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.3	78.3	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.1	79.1	79.1	79.1
GE 20000	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.0	84.0
GE 18000	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.0	84.0
GE 16000	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.0	84.0
GE 14000	85.2	85.2	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0
GE 12000	88.2	88.2	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.2	89.4	89.4	89.4
GE 10000	89.9	89.9	90.1	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1	91.4	91.4	91.4
GE 9000	90.4	90.4	90.6	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.9	91.9	91.9
GE 8000	92.6	92.6	92.9	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.1	94.3	94.3	94.3
GE 7000	93.1	93.1	93.3	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.6	94.8	94.8	94.8
GE 6000	93.6	93.6	94.3	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.6	95.8	95.8	95.8
GE 5000	95.3	95.3	96.1	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.3	97.5	97.5	97.5
GE 4500	95.3	95.3	96.1	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.3	97.5	97.5	97.5
GE 4000	95.8	95.8	96.6	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.8	98.0	98.0	98.0
GE 3500	95.8	95.8	96.6	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.8	98.0	98.0	98.0
GE 3000	96.1	96.1	96.8	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.3	98.3	98.3
GE 2500	96.1	96.1	96.8	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.3	98.3	98.3
GE 2000	96.1	96.1	96.8	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.3	98.3	98.3
GE 1800	96.6	96.6	97.3	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.8	98.8	98.8
GE 1500	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.3
GE 1200	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.3
GE 1000	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.3
GE 900	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.3
GE 800	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.3
GE 700	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.3
GE 600	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.3
GE 500	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.3
GE 400	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.3
GE 300	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.3
GE 200	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.5	99.5
GE 100	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.5	99.5
GE 000	97.0	97.0	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 406

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.2	72.5	72.7	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 20000	79.8	80.1	80.4	80.7	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 18000	80.1	80.4	80.7	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 16000	80.1	80.4	80.7	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 14000	80.9	81.2	81.5	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 12000	84.6	84.8	85.3	85.5	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 10000	87.3	87.6	88.0	88.3	88.6	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 9000	88.0	88.3	88.7	89.0	89.3	89.4	89.4	89.6	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8
GE 8000	90.0	90.3	90.8	91.1	91.7	91.8	91.8	92.1	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4
GE 7000	90.4	90.7	91.2	91.5	92.1	92.2	92.2	92.5	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8
GE 6000	91.1	91.4	92.2	92.5	93.0	93.2	93.3	93.6	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9
GE 5000	92.8	93.0	93.9	94.2	94.7	94.9	95.0	95.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5
GE 4500	93.2	93.5	94.3	94.6	95.1	95.3	95.4	95.7	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0
GE 4000	94.2	94.6	95.5	95.8	96.5	96.7	96.8	97.1	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4
GE 3500	94.2	94.6	95.5	95.8	96.5	96.7	96.8	97.1	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4
GE 3000	94.4	94.9	95.8	96.1	96.8	96.9	97.1	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	94.6	95.0	96.0	96.4	97.1	97.2	97.4	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	94.9	95.3	96.2	96.7	97.4	97.5	97.6	97.9	97.9	98.3	98.5	98.5	98.6	98.6	98.6	98.6
GE 1800	94.9	95.3	96.2	96.7	97.4	97.5	97.6	97.9	97.9	98.3	98.5	98.5	98.6	98.6	98.6	98.6
GE 1500	95.0	95.4	96.4	96.8	97.5	97.6	97.8	98.2	98.2	98.6	98.7	98.7	98.9	98.9	98.9	98.9
GE 1200	95.0	95.4	96.4	96.8	97.5	97.6	97.8	98.2	98.2	98.6	98.7	98.7	98.9	98.9	98.9	98.9
GE 1000	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.5	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.2
GE 900	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.5	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.2
GE 800	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.5	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.2
GE 700	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.5	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.2
GE 600	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.5	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.2
GE 500	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.7	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4
GE 400	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.7	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4
GE 300	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.7	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4
GE 200	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.7	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4
GE 100	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.7	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.6
GE 000	95.3	95.7	96.7	97.1	97.8	97.9	98.1	98.7	98.7	99.2	99.3	99.3	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 719

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.2	73.5	73.9	73.9	74.3	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.7
GE 20000	80.9	81.2	81.6	81.6	82.0	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.5
GE 18000	81.3	81.7	82.0	82.0	82.5	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.9
GE 16000	81.5	81.8	82.1	82.1	82.6	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	83.0
GE 14000	82.9	83.2	83.6	83.6	84.0	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.5
GE 12000	85.4	85.7	86.0	86.0	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.9
GE 10000	88.9	89.3	89.6	89.6	90.1	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.5
GE 9000	89.4	89.7	90.1	90.1	90.5	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.9
GE 8000	91.1	91.4	91.7	91.7	92.2	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.7
GE 7000	91.7	92.1	92.5	92.5	93.0	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.6
GE 6000	92.5	92.8	93.3	93.4	93.9	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.5
GE 5000	93.0	93.3	93.7	93.9	94.5	94.7	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.2
GE 4500	93.2	93.5	94.0	94.1	94.7	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.4
GE 4000	94.5	95.0	95.4	95.8	96.5	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.3
GE 3500	94.9	95.3	95.8	96.1	96.9	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.7
GE 3000	95.0	95.4	95.9	96.2	97.0	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.8
GE 2500	95.2	95.6	96.1	96.4	97.2	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	98.0
GE 2000	95.3	95.9	96.4	96.9	97.8	98.0	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.8
GE 1800	95.3	95.9	96.4	96.9	97.8	98.0	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.8
GE 1500	95.5	96.1	96.8	97.2	98.1	98.3	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.1
GE 1200	95.5	96.1	96.8	97.2	98.1	98.3	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.1
GE 1000	95.5	96.1	96.8	97.2	98.1	98.3	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.1
GE 900	95.6	96.2	96.9	97.3	98.2	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2
GE 800	95.6	96.2	96.9	97.3	98.2	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2
GE 700	95.6	96.2	96.9	97.3	98.2	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2
GE 600	95.6	96.2	96.9	97.3	98.3	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.4
GE 500	95.6	96.2	96.9	97.3	98.3	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.4
GE 400	95.6	96.2	96.9	97.3	98.3	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.6
GE 300	95.6	96.2	96.9	97.3	98.3	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.6
GE 200	95.6	96.2	96.9	97.3	98.3	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.6
GE 100	95.6	96.2	96.9	97.3	98.3	98.5	99.0	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.6	99.9
GE 000	95.6	96.2	96.9	97.3	98.3	98.5	99.0	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 895

D - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.2	73.5	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 20000	79.5	79.8	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 18000	80.7	81.0	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 16000	81.0	81.4	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 14000	82.5	82.8	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 12000	85.4	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 10000	89.5	89.8	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 9000	89.6	90.0	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 8000	91.7	92.1	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 7000	92.5	92.9	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 6000	93.4	93.8	94.1	94.1	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 5000	94.2	94.5	94.9	94.9	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4500	94.2	94.5	94.9	94.9	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4000	95.6	96.1	96.4	96.4	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3500	96.3	96.8	97.1	97.1	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3000	96.8	97.2	97.5	97.5	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2500	97.3	97.8	98.1	98.1	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	97.4	97.9	98.2	98.3	98.9	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	97.4	97.9	98.2	98.3	98.9	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	97.5	98.0	98.3	98.4	99.0	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	97.5	98.0	98.3	98.4	99.0	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	97.5	98.0	98.3	98.4	99.0	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	97.5	98.0	98.3	98.4	99.0	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	97.5	98.0	98.3	98.4	99.0	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	97.5	98.0	98.3	98.4	99.0	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	97.5	98.0	98.3	98.4	99.0	99.0	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	97.5	98.0	98.3	98.4	99.0	99.0	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	97.5	98.0	98.3	98.4	99.0	99.0	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	97.5	98.0	98.3	98.4	99.0	99.0	99.3	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	97.5	98.0	98.3	98.4	99.1	99.1	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	97.5	98.0	98.3	98.4	99.1	99.1	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	97.5	98.0	98.3	98.4	99.1	99.1	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 896

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 20000	80.3	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 18000	81.0	81.0	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 16000	81.0	81.0	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 14000	82.8	82.8	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 12000	84.9	84.9	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 10000	88.7	88.7	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 9000	88.9	88.9	89.2	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
GE 8000	90.4	90.4	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 7000	91.3	91.3	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 6000	92.6	92.6	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 5000	94.0	94.0	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 4500	94.2	94.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4000	95.8	95.9	96.5	97.2	97.3	97.3	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3500	96.4	96.5	97.2	97.8	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 3000	96.9	97.1	97.7	98.3	98.7	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	97.1	97.2	97.8	98.5	98.8	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	97.1	97.2	97.8	98.5	99.0	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	97.1	97.2	97.8	98.5	99.0	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.1	97.2	97.8	98.5	99.2	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 781

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.5	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 20000	80.2	80.8	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 18000	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 16000	81.8	82.3	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 14000	82.7	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 12000	84.1	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 10000	87.7	88.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 9000	88.1	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 8000	92.3	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 7000	92.9	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 6000	94.4	95.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 5000	95.8	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4500	95.8	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000	96.4	96.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3500	96.9	97.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	97.9	98.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	97.9	98.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	97.9	98.5	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	97.9	98.5	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.9	98.5	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 521

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 20000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 18000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 16000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 14000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 12000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 10000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 9000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 8000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 7000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 6000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 5000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4500	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4000	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
GE 3500	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
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 37

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.8	74.1	74.4	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8
GE 20000	80.4	80.6	81.0	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5
GE 18000	81.1	81.3	81.7	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2
GE 16000	81.2	81.5	81.8	82.0	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 14000	82.6	82.9	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 12000	85.2	85.5	85.9	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4
GE 10000	88.6	88.9	89.3	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9
GE 9000	89.0	89.3	89.7	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
GE 8000	91.2	91.5	91.9	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.7
GE 7000	91.9	92.1	92.6	92.8	93.1	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.4
GE 6000	92.8	93.1	93.6	93.8	94.1	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.5
GE 5000	94.0	94.2	94.8	95.0	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
GE 4500	94.1	94.4	94.9	95.2	95.5	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9
GE 4000	95.3	95.7	96.3	96.6	97.0	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.5	97.5	97.5
GE 3500	95.7	96.1	96.7	97.0	97.5	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9
GE 3000	96.1	96.5	97.1	97.4	97.9	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 2500	96.3	96.7	97.3	97.6	98.1	98.2	98.4	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.7
GE 2000	96.4	96.8	97.5	97.8	98.4	98.5	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1
GE 1800	96.5	96.9	97.5	97.9	98.4	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.2
GE 1500	96.6	97.0	97.7	98.0	98.7	98.8	99.0	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.5
GE 1200	96.6	97.0	97.7	98.0	98.7	98.8	99.0	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.5
GE 1000	96.7	97.0	97.7	98.1	98.7	98.8	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 900	96.7	97.1	97.7	98.1	98.8	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 800	96.7	97.1	97.7	98.1	98.8	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 700	96.7	97.1	97.7	98.1	98.8	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 600	96.7	97.1	97.7	98.1	98.8	98.8	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 500	96.7	97.1	97.7	98.1	98.8	98.8	99.1	99.3	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 400	96.7	97.1	97.7	98.1	98.8	98.8	99.1	99.3	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7
GE 300	96.7	97.1	97.7	98.1	98.8	98.8	99.1	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7
GE 200	96.7	97.1	97.7	98.1	98.8	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.8
GE 100	96.7	97.1	97.7	98.1	98.8	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.8	99.9
GE 000	96.7	97.1	97.7	98.1	98.8	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 4255

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.8	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 20000	83.0	83.0	83.0	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 18000	83.0	83.0	83.0	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 16000	83.0	83.0	83.0	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 14000	84.9	84.9	84.9	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 12000	86.4	86.4	86.4	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 10000	91.1	91.1	91.1	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 9000	91.1	91.1	91.1	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 8000	91.9	91.9	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 7000	91.9	91.9	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 6000	92.4	92.4	92.4	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 5000	94.8	94.8	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4500	94.8	94.8	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4000	96.3	96.3	96.3	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3500	97.9	97.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000	97.9	97.9	97.9	97.9	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500	98.4	98.4	98.4	98.4	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	98.4	98.4	98.4	98.4	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	98.4	98.4	98.4	98.4	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.4	98.4	99.0	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 383

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 20000	80.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 18000	81.2	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 16000	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 14000	82.5	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 12000	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 10000	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 9000	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 8000	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 7000	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 6000	93.6	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 5000	94.6	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 4500	94.6	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 4000	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3500	96.7	96.7	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3000	97.6	97.8	98.2	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2500	98.1	98.2	98.7	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	98.2	98.4	98.8	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	98.2	98.4	98.8	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.0	99.1	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.2	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 20000	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 18000	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 16000	83.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 14000	84.4	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 12000	87.7	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 10000	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 9000	90.5	90.5	90.5	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
GE 8000	92.0	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 7000	93.0	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 6000	94.1	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 5000	95.5	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 4500	95.7	95.9	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4000	96.5	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3500	96.7	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3000	97.9	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	98.4	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 100	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 000	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 828

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 20000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 18000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 16000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 14000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 12000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 10000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 9000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 8000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 7000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 6000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 5000	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4500	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4000	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3500	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3000	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 828

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 20000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 18000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 16000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 14000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 12000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 10000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 9000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 8000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 7000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 6000	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 5000	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 4500	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 4000	98.2	98.2	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	98.4	98.4	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 3000	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	98.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 740

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 20000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 16000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 14000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 12000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 10000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 9000	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	91.3
GE 8000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 7000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 6000	94.6	94.6	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
GE 5000	97.1	97.1	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
GE 4500	97.1	97.1	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
GE 4000	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.2	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 515

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	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
GE 20000	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	91.8
GE 18000	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	91.8
GE 16000	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	91.8
GE 14000	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	91.8
GE 12000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 10000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 9000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 8000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 7000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 6000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 5000	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 85

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 20000	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 18000	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 16000	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 14000	84.4	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	84.6	84.6
GE 12000	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 10000	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 9000	90.5	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 8000	92.0	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 7000	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 6000	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 5000	95.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 4500	95.9	96.0	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 4000	97.1	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 3500	97.5	97.6	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	98.4	98.5	98.8	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	98.7	98.8	99.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	98.9	99.0	99.3	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	98.9	99.0	99.3	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.2	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4048

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	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
GE 20000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 18000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 16000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 14000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 12000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 10000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 9000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 8000	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
GE 7000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 6000	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 5000	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4500	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4000	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 447

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 20000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 18000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 16000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 14000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 12000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 10000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 9000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 8000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 7000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 6000	95.5	95.5	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 5000	97.0	97.0	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4500	97.0	97.0	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4000	97.7	97.7	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3500	97.7	97.7	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	98.2	98.2	99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	98.3	98.3	99.1	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	98.5	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 779

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 20000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 18000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 16000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 14000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 12000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 10000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 9000	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
GE 8000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 7000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 6000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 5000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 4500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3500	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3000	98.7	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	98.7	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.2	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.2	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.2	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.2	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.2	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.2	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.4	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 20000	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 18000	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	82.1	82.1	82.1
GE 16000	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 14000	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 12000	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 10000	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 9000	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 8000	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 7000	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 6000	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 5000	94.7	94.7	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 4500	95.3	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4000	97.2	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3500	97.5	97.5	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	98.3	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	98.4	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	98.9	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	98.9	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.0	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 20000	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 18000	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 16000	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 14000	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 12000	86.6	86.7	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
GE 10000	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 9000	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 8000	90.1	90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 7000	92.0	92.1	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 6000	94.4	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 5000	96.1	96.2	96.4	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 4500	96.4	96.6	96.8	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4000	97.9	98.0	98.2	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3500	98.0	98.1	98.3	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	98.7	98.8	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.9	99.1	99.3	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 845

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 20000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 18000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 16000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 14000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 12000	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 10000	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 9000	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 8000	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 7000	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 6000	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 5000	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4500	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3500	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 616

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 20000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 18000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 16000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 14000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 12000	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
GE 10000	93.0	93.0	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	93.8
GE 9000	93.0	93.0	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	93.8
GE 3000	93.8	93.8	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 7000	93.8	93.8	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 6000	95.3	95.3	95.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 5000	97.7	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4500	97.7	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000	98.4	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	98.4	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 129

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 20000	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 18000	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 16000	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 14000	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 12000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 10000	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 9000	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 8000	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 7000	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 6000	95.0	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 5000	96.6	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 4500	96.9	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4000	98.0	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3500	98.1	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	98.8	98.8	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	98.9	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.1	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.1	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.2	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4672

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	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	88.6
GE 20000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 18000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 16000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 14000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 12000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 10000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 9000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 8000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 7000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 6000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 430

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 20000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 18000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 16000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 14000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 12000	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	92.1
GE 10000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 9000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 8000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 7000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 6000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 5000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 20000	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 18000	91.1	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
GE 16000	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 14000	91.8	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
GE 12000	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 10000	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 9000	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 8000	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 7000	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 6000	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 5000	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4500	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.0	82.2	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 20000	90.9	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 18000	91.3	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 16000	91.6	91.8	91.9	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
GE 14000	92.4	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 12000	94.1	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 10000	95.9	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 9000	96.1	96.3	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 8000	96.9	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 7000	97.1	97.3	97.4	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
GE 6000	97.9	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 5000	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4500	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4000	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.0	78.1	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 20000	89.8	89.9	90.3	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 18000	90.5	90.7	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 16000	90.7	90.8	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 14000	91.7	91.8	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 12000	92.5	92.7	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 10000	95.6	95.8	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 9000	95.9	96.0	96.4	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 8000	96.8	96.9	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 7000	97.0	97.1	97.5	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 6000	97.8	97.9	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 5000	98.6	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	98.6	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	98.6	98.8	99.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	98.9	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 804

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 20000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 18000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 16000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 14000	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
GE 12000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 10000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 9000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 8000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 7000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 6000	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 5000	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4500	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3500	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 588

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 20000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 18000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 16000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 14000	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
GE 12000	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
GE 10000	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
GE 9000	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
GE 8000	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
GE 7000	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
GE 6000	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
GE 5000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 133

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.7	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 20000	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 18000	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 16000	91.2	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 14000	92.0	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 12000	93.4	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 10000	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 9000	96.1	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 8000	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 7000	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 6000	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 5000	98.9	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4500	99.0	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.5	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4499

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 20000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 18000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 16000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 14000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 12000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 10000	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
GE 9000	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
GE 8000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 7000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 6000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 5000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 422

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 20000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 18000	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
GE 16000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 14000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 12000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 10000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 9000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 8000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 7000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 6000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 732

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 20000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 18000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 16000	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
GE 14000	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
GE 12000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 10000	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
GE 9000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 8000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 7000	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
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 909

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 20000	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
GE 18000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 16000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 14000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 12000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 10000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 9000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 8000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 7000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 6000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 908

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.9	85.9	85.9	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 20000	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8
GE 18000	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6
GE 16000	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7
GE 14000	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3
GE 12000	96.5	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
GE 10000	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.0	97.0
GE 9000	96.7	96.7	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1
GE 8000	97.2	97.2	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6
GE 7000	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7
GE 6000	98.9	98.9	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 5000	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 4500	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 4000	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3500	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3000	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2500	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2000	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1800	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1500	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1200	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1000	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 900	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 800	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 700	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 600	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 790

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 20000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 18000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 16000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 14000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 12000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 10000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 9000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 8000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 7000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 6000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 5000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 591

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 20000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 18000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 16000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 14000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 12000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 10000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 9000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 8000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 7000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 6000	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
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 148

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 20000	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 18000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 16000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 14000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 12000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 10000	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 9000	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 8000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5
GE 7000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
GE 6000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 5000	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4500

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 20000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 18000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 16000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 14000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 12000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 10000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 9000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 8000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 7000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	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
GE 20000	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
GE 18000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 16000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 14000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 12000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 10000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 9000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 8000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 737

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 20000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 18000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 16000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 14000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 12000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 10000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 9000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 8000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 7000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 20000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 18000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 16000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 14000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 12000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 20000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 18000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 16000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 14000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 12000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 9000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 8000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 7000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 798

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 20000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 18000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 16000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 14000	95.7	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 12000	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6
GE 10000	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 9000	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 8000	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 7000	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 6000	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0
GE 5000	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 4500	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 4000	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 3500	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 3000	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 2500	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 2000	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 1800	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 1500	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 1200	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 1000	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 900	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 800	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 700	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 600	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 500	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 400	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 300	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 200	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 100	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 000	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 627

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 20000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 18000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 16000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 14000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 12000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 10000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 9000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 8000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 7000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 6000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 169

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 20000	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
GE 18000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 16000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 14000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 12000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 10000	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 9000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 8000	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 7000	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 6000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4566

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 20000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 18000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 16000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 14000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 12000	93.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 10000	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 9000	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 8000	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 7000	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 6000	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 5000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 426

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 20000	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 18000	76.6	76.6	76.6	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 16000	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 14000	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 12000	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 10000	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 9000	96.8	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 8000	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 7000	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 6000	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 5000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 728

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	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
GE 20000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 18000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 16000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 14000	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 12000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 10000	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
GE 9000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 8000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 7000	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
GE 6000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 906

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 20000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 18000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 16000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 14000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 12000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 10000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 9000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 8000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 908

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 20000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 18000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 16000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 14000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 12000	98.2	98.2	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 10000	98.5	98.5	98.5	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 9000	98.5	98.5	98.5	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 8000	98.5	98.5	98.5	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 7000	98.8	98.8	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 6000	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 5000	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 4500	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 4000	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3500	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3000	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2500	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2000	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1800	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1500	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1200	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1000	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 900	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 800	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 700	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 600	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.4	99.4	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 814

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.4	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 20000	80.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 18000	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 16000	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 14000	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 12000	92.0	92.0	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.8	92.8
GE 10000	93.1	93.1	93.4	93.4	93.5	93.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	94.0	94.0
GE 9000	93.4	93.4	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.3
GE 8000	93.4	93.4	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.3
GE 7000	93.5	93.5	93.9	93.9	94.0	94.2	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.6	94.6
GE 6000	97.5	97.7	98.2	98.2	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.8	99.8
GE 5000	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 4500	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 4000	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 3500	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 3000	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 2500	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 2000	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 1800	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 1500	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 1200	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 1000	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 900	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 800	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 700	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 600	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 500	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 400	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 300	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 200	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 100	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 000	97.7	97.8	98.3	98.3	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 20000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 18000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 16000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 14000	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
GE 12000	90.9	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 10000	92.1	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 9000	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 8000	93.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 7000	94.5	94.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 6000	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 5000	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 4500	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 4000	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 3500	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 3000	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 2500	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 2000	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 1800	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 1500	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 1200	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 1000	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 900	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 800	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 700	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 600	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 500	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 400	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 300	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 200	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 100	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 000	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 164

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 20000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 18000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 16000	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 14000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 12000	95.5	95.5	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 10000	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 9000	97.3	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6
GE 8000	97.6	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 7000	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 6000	99.3	99.3	99.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 5000	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 4500	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 4000	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3500	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3000	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2500	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2000	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1800	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1500	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1200	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1000	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 900	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 800	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 700	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 600	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4597

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 20000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 18000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 16000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 14000	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
GE 12000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 10000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 9000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 8000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 7000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 6000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 5000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 460

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 20000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 18000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 16000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 14000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 12000	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 10000	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 9000	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 8000	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 7000	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 6000	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 5000	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4500	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 771

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 20000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 18000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 16000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 14000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 12000	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
GE 10000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 9000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 8000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 7000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 6000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 5000	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4000	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 20000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 18000	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
GE 16000	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
GE 14000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 12000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 10000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 9000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 8000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 7000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 6000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 5000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 20000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 18000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 16000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 14000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 12000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 10000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 9000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 8000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 7000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 6000	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.9
GE 5000	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.9
GE 4500	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.9
GE 4000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 3500	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 3000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 2500	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 2000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 1800	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 1500	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 1200	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 1000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 900	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 800	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 700	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 600	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 500	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 400	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 300	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 200	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 100	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0
GE 000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 839

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 20000	82.2	82.2	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 18000	82.6	82.6	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 16000	83.1	83.1	83.4	83.4	83.4	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 14000	84.5	84.5	84.8	84.8	84.8	84.8	84.9	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 12000	91.9	91.9	92.4	92.4	92.4	92.4	92.5	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 10000	93.2	93.2	93.6	93.6	93.6	93.6	93.8	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 9000	93.6	93.6	94.2	94.2	94.2	94.2	94.4	94.4	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 8000	94.2	94.2	94.8	94.8	94.8	94.8	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 7000	94.4	94.4	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 6000	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 5000	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 200	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 000	97.7	97.7	98.6	98.6	98.9	98.9	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 657

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 20000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.0	78.0	78.0	78.0
GE 18000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.9	79.9	79.9	79.9
GE 16000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.5	80.5	80.5	80.5
GE 14000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.8	81.8	81.8	81.8
GE 12000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	95.0	95.0	95.0	95.0
GE 10000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	96.2	96.2	96.2	96.2
GE 9000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	96.2	96.2	96.2	96.2
GE 8000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	96.2	96.2	96.2	96.2
GE 7000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	96.2	96.2	96.2	96.2
GE 6000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 5000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 4500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 4000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 3000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 159

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 20000	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 18000	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 16000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 14000	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8
GE 12000	94.9	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 10000	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 9000	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 8000	97.3	97.3	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6
GE 7000	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 6000	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 5000	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 4500	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 4000	99.2	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 3500	99.2	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 3000	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 2500	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 2000	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1800	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1500	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1200	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1000	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 900	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 800	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 700	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 600	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 500	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4746

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 20000	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	88.6
GE 18000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 16000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 14000	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 12000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 10000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 9000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 8000	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
GE 7000	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
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 420

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	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
GE 20000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 18000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 16000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 14000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 12000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 10000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 9000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 8000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 5000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7
GE 4500	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9	99.9
GE 4000	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 3500	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 3000	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 2500	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 2000	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 1800	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 1500	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 1200	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 1000	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 900	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 800	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 700	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 600	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 500	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 400	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 300	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 200	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 100	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
GE 000	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 716

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.4	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	82.6	82.6
GE 20000	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 18000	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 16000	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 14000	88.6	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 12000	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 10000	96.2	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 9000	96.4	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 8000	96.8	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 7000	97.0	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 6000	97.8	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 5000	98.2	98.3	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4500	98.6	98.7	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	99.0	99.1	99.3	99.3	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.0	99.1	99.3	99.3	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.2	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 879

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 20000	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 18000	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 16000	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 14000	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 12000	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 10000	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 9000	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 8000	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 7000	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 6000	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 5000	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4500	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3500	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3000	99.3	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	99.3	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.3	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.3	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.3	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 879

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 20000	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 18000	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 16000	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 14000	91.7	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
GE 12000	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 10000	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 9000	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 8000	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 7000	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 6000	99.0	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 5000	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.5	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 783

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 20000	86.6	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 18000	86.6	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 16000	86.6	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 14000	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 12000	94.2	94.2	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 10000	96.1	96.1	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 9000	96.1	96.1	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 8000	96.4	96.4	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	96.4	96.4	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 6000	98.6	98.6	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 5000	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 590

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 20000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 18000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 16000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 14000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 12000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 10000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 9000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 8000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 7000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 143

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 20000	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 18000	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 16000	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 14000	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 12000	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 10000	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 9000	96.8	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 8000	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 7000	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 6000	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 5000	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 4500	99.2	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 4000	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 3500	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 3000	99.5	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2500	99.5	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2000	99.5	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1800	99.5	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1500	99.5	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1200	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4410

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 20000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 18000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 16000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 14000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 12000	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
GE 10000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 9000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 8000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 7000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 6000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 5000	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 426

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 20000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 18000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 16000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 14000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 12000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 10000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 9000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 8000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 7000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 5000	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 4500	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4000	99.2	99.2	99.2	99.2	99.3	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.3	99.3	99.3	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 743

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 20000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 18000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 16000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 14000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 12000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 10000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 9000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 8000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 7000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 6000	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 5000	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 4500	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 4000	99.3	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.3	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 909

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 20000	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 18000	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 16000	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 14000	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 12000	94.8	94.8	94.8	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 10000	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 9000	96.1	96.1	96.4	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 8000	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 7000	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 5000	98.6	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 4500	98.6	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 4000	99.1	99.1	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	99.1	99.1	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.2	99.2	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.2	99.2	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.2	99.2	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.2	99.2	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.2	99.2	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.2	99.2	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.2	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 909

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 20000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 18000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 16000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 14000	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
GE 12000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 10000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 9000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 8000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 7000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 6000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 5000	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3500	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.3	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 20000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 18000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 16000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 14000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 12000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 10000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 9000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 8000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 7000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 6000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 5000	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
GE 4500	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
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 566

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 21-22

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	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
GE 20000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 18000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 16000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 14000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 12000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 10000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 9000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 8000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 7000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 6000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 83

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 20000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 18000	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 16000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 14000	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 12000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 10000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 9000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 8000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 7000	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 6000	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 5000	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4446

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 20000	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 18000	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 16000	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 14000	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 12000	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 10000	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 9000	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 8000	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 7000	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 6000	97.4	97.4	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
GE 5000	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4500	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 391

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 20000	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 18000	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 16000	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 14000	88.4	88.5	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
GE 12000	90.0	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 10000	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 9000	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 8000	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 7000	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 6000	96.1	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 5000	97.1	97.2	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4500	97.1	97.2	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4000	97.8	98.0	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3500	98.1	98.4	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3000	98.4	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	98.4	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	98.7	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 688

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	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	81.6	81.6
GE 20000	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 18000	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 16000	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 14000	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 12000	90.2	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 10000	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 9000	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 8000	93.9	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 7000	94.0	94.1	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 6000	95.1	95.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 5000	97.1	97.2	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4500	97.1	97.2	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4000	98.1	98.2	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3500	98.2	98.4	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3000	98.9	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	98.9	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	98.9	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	98.9	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	98.9	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	99.1	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 850

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 20000	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 18000	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 16000	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 14000	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 12000	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 10000	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 9000	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 8000	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 7000	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 6000	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 5000	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4500	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4000	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3500	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3000	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 855

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.5	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 20000	89.8	89.9	89.9	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 18000	90.3	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 16000	90.7	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 14000	91.0	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 12000	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 10000	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 9000	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 8000	94.8	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 7000	95.0	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 6000	96.2	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 5000	97.2	97.4	97.5	97.5	97.5	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4500	97.2	97.4	97.5	97.5	97.5	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4000	98.5	98.7	98.9	99.1	99.1	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3500	98.7	98.8	99.1	99.2	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.9	99.1	99.3	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 756

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 20000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 18000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 16000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 14000	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
GE 12000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 10000	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
GE 9000	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
GE 8000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 7000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 6000	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 5000	97.6	97.6	97.6	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4500	97.6	97.6	97.6	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4000	98.0	98.0	98.0	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	98.4	98.4	98.4	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3000	99.2	99.2	99.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 507

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 20000	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	88.6
GE 18000	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	88.6
GE 16000	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	88.6
GE 14000	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	88.6
GE 12000	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	88.6
GE 10000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 9000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 8000	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
GE 7000	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
GE 6000	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
GE 5000	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
GE 4500	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
GE 4000	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
GE 3500	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
GE 3000	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
GE 2500	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
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 44

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 20000	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 18000	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 16000	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 14000	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 12000	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 10000	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 9000	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 8000	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 7000	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 6000	96.0	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 5000	97.5	97.6	97.7	97.7	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4500	97.5	97.6	97.7	97.7	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4000	98.3	98.4	98.6	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3500	98.5	98.7	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3000	98.9	99.1	99.3	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.0	99.1	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.1	99.3	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.3	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4091

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
TO CEIL	78.8	78.8	78.8	78.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
20000	84.7	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
18000	84.7	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
16000	84.7	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
14000	85.3	85.3	85.3	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
12000	87.7	87.7	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
10000	89.9	89.9	89.9	89.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
9000	90.5	90.5	90.5	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
8000	92.0	92.0	92.0	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
7000	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
6000	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
5000	94.5	94.5	94.5	94.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
4500	94.5	94.5	94.5	94.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
4000	96.0	96.0	96.0	96.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
3500	96.0	96.0	96.0	96.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
3000	96.9	96.9	96.9	96.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
2500	98.2	98.2	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2000	98.2	98.2	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1800	98.2	98.2	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1500	98.2	98.2	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	98.2	98.2	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
000	98.2	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 326

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.0	76.0	76.3	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7
GE 20000	80.9	80.9	81.2	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6
GE 18000	81.5	81.5	81.8	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2
GE 16000	81.6	81.6	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.4	82.4
GE 14000	83.4	83.4	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2	84.2
GE 12000	86.0	86.0	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.8	86.8
GE 10000	88.9	88.9	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.8	89.8
GE 9000	89.4	89.4	89.7	89.8	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.4	90.4
GE 8000	90.7	90.7	91.0	91.2	91.6	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.9	91.9
GE 7000	91.0	91.0	91.3	91.5	91.9	91.9	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.2	92.2
GE 6000	91.9	91.9	92.2	92.4	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.5	93.5
GE 5000	94.1	94.1	94.4	94.5	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.6	95.6
GE 4500	94.1	94.1	94.4	94.5	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.6	95.6
GE 4000	95.7	95.9	96.2	96.4	97.3	97.3	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.7	97.7
GE 3500	96.0	96.2	96.5	96.7	97.6	97.6	97.6	97.6	97.6	97.9	97.9	97.9	97.9	97.9	98.0	98.0
GE 3000	96.7	96.8	97.1	97.3	98.2	98.2	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.8	98.8
GE 2500	97.0	97.1	97.7	97.9	98.8	98.8	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.4
GE 2000	97.0	97.1	97.9	98.0	98.9	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 1800	97.0	97.1	97.9	98.0	98.9	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 1500	97.0	97.1	97.9	98.0	98.9	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 1200	97.0	97.1	97.9	98.0	98.9	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 1000	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 900	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 800	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 700	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 600	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 500	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 400	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 300	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 200	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 100	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 000	97.0	97.1	97.9	98.0	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 658

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.9	73.0	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 20000	79.2	79.3	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 18000	80.0	80.1	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 16000	80.0	80.1	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 14000	81.9	82.1	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 12000	83.6	83.7	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 10000	87.5	87.6	88.0	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 9000	88.1	88.2	88.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 8000	89.4	89.5	89.8	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 7000	90.4	90.5	90.9	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 6000	90.9	91.0	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 5000	92.6	92.7	93.1	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 4500	92.6	92.7	93.1	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 4000	94.7	94.9	95.3	95.6	96.3	96.4	96.4	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3500	94.8	95.0	95.4	95.7	96.4	96.5	96.5	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3000	95.0	95.4	95.7	96.1	96.9	97.1	97.2	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	95.0	95.4	95.7	96.1	96.9	97.1	97.2	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	95.3	95.8	96.3	96.6	97.9	98.1	98.3	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	95.3	95.8	96.3	96.6	97.9	98.1	98.3	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	95.3	95.8	96.3	96.6	98.1	98.4	98.6	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	95.4	95.9	96.4	96.8	98.3	98.5	98.7	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	95.4	95.9	96.4	96.8	98.3	98.6	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	95.4	95.9	96.4	96.8	98.3	98.6	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	95.4	95.9	96.4	96.8	98.5	98.8	99.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	95.4	95.9	96.4	96.8	98.5	98.8	99.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	95.4	95.9	96.4	96.8	98.5	98.8	99.1	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	95.4	95.9	96.4	96.8	98.5	99.0	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	95.4	95.9	96.4	96.8	98.5	99.0	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	95.4	95.9	96.4	96.8	98.5	99.0	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	95.4	95.9	96.4	96.8	98.5	99.0	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	95.4	95.9	96.4	96.8	98.5	99.0	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	95.4	95.9	96.4	96.8	98.5	99.0	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 864

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.5	73.5	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 20000	80.9	80.9	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 18000	82.5	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 16000	83.0	83.0	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 14000	84.3	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 12000	85.7	85.7	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 10000	89.9	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 9000	90.6	90.6	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 8000	91.4	91.4	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 7000	92.0	92.0	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 6000	92.6	92.6	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 5000	94.3	94.5	94.7	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 4500	94.3	94.5	94.7	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 4000	95.6	95.7	96.0	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3500	95.8	96.0	96.2	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3000	96.6	96.8	97.0	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	96.8	96.9	97.1	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	97.0	97.1	97.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	97.1	97.2	97.6	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	97.3	97.5	97.8	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	97.3	97.5	97.8	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	97.3	97.5	97.8	98.7	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	97.3	97.5	97.8	98.7	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	97.3	97.5	97.8	98.7	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	97.3	97.5	97.8	98.7	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	97.3	97.5	97.8	98.7	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	97.3	97.5	97.8	98.7	99.3	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	97.3	97.5	97.8	98.7	99.3	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.3	97.5	97.8	98.7	99.3	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.3	97.5	97.8	98.7	99.3	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.3	97.5	97.8	98.7	99.3	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.3	97.5	97.8	98.7	99.3	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 865

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 20000	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 18000	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 16000	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 14000	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 12000	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 10000	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 9000	90.3	90.3	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
GE 8000	91.7	91.7	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
GE 7000	92.3	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 6000	93.7	93.7	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 5000	94.5	94.5	94.8	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4500	94.6	94.6	94.9	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4000	96.1	96.1	96.5	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3500	96.5	96.5	96.9	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3000	97.7	97.7	98.1	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	97.9	97.9	98.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	97.9	97.9	98.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	97.9	97.9	98.3	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	98.0	98.0	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	98.0	98.0	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	98.1	98.1	98.5	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	98.1	98.1	98.5	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	98.1	98.1	98.5	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	98.1	98.1	98.5	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	98.1	98.1	98.5	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	98.1	98.1	98.5	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	98.1	98.1	98.5	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.1	98.1	98.5	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.1	98.1	98.5	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.1	98.1	98.5	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.1	98.1	98.5	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 745

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 20000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 18000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 16000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 14000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 12000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 10000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 9000	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	92.1
GE 8000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 7000	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 6000	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 5000	95.3	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4500	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 4000	98.0	98.0	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3500	98.3	98.3	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 405

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 20000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 18000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 16000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 14000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 12000	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 10000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 9000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 8000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 7000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 6000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 5000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 4500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 42

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.4	74.4	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
GE 20000	80.3	80.3	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 18000	81.2	81.2	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 16000	81.5	81.5	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 14000	83.2	83.2	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 12000	85.5	85.5	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 10000	89.3	89.3	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 9000	90.0	90.0	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 8000	91.1	91.2	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 7000	91.8	91.8	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5
GE 6000	92.7	92.7	92.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5
GE 5000	94.1	94.1	94.4	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 4500	94.2	94.2	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 4000	95.9	96.0	96.3	96.5	97.1	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3500	96.1	96.2	96.5	96.7	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3000	96.8	97.0	97.3	97.5	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5
GE 2500	97.0	97.2	97.5	97.8	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	97.1	97.3	97.7	98.1	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	97.2	97.3	97.8	98.1	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	97.2	97.4	97.8	98.2	99.0	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	97.3	97.4	97.9	98.2	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 1000	97.3	97.5	97.9	98.3	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	97.3	97.5	97.9	98.3	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	97.3	97.5	97.9	98.3	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 700	97.3	97.5	97.9	98.3	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 600	97.3	97.5	97.9	98.3	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	97.3	97.5	97.9	98.3	99.2	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 400	97.3	97.5	97.9	98.3	99.2	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	97.3	97.5	97.9	98.3	99.2	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	97.3	97.5	97.9	98.3	99.2	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	97.3	97.5	97.9	98.3	99.2	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	97.3	97.5	97.9	98.3	99.2	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 20000	87.0	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 18000	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 16000	87.7	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 14000	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 12000	92.3	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6
GE 10000	94.3	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 9000	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 8000	95.5	95.5	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 7000	95.9	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 6000	97.0	97.0	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 5000	97.8	97.9	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
GE 4500	97.9	98.0	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000	98.5	98.5	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3500	98.6	98.7	98.8	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	98.9	99.0	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	98.9	99.0	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 2000	99.0	99.1	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.0	99.1	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.0	99.1	99.3	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 1200	99.0	99.1	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 1000	99.1	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.1	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.1	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.1	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.1	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.1	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 52735

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02								0
03-05	48.3	23.4	16.0	11.6	.7	28.3	1.0	406
06-08	33.5	33.8	21.4	10.7	.6	32.7	1.7	719
09-11	24.4	38.2	27.3	9.3	.9	37.4	2.7	895
12-14	19.3	43.5	25.0	11.9	.2	37.2	1.8	896
15-17	17.7	43.1	25.0	14.2		39.2	1.3	781
18-20	23.8	40.1	23.2	12.9		36.1	1.3	521
21-23	29.7	27.0	24.3	18.9		43.2		37
ALL HOURS	25.9	38.2	23.8	11.7	.4	35.9	1.7	4255

MONTH: FEB HOURS: ALL

00-02								0
03-05	43.1	29.0	13.6	14.4		27.9	.8	383
06-08	24.1	38.9	22.3	14.8		37.1	.6	669
09-11	16.1	40.9	27.9	14.9	.2	43.0	.7	828
12-14	13.2	42.1	29.5	15.2		44.7	.4	828
15-17	13.1	37.7	31.6	17.6		49.2	.7	740
18-20	18.6	34.8	30.9	15.7		46.6	.4	515
21-23	27.1	32.9	34.1	5.9		40.0		85
ALL HOURS	19.4	38.2	27.1	15.3	.0	42.5	.6	4048

D - 3 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02							0
03-05	46.3	23.3	15.7	14.8	30.4		447
06-08	27.0	39.0	19.6	14.4	34.0		779
09-11	22.2	41.2	21.3	15.3	36.6	.2	927
12-14	15.8	41.7	26.0	16.5	42.5	.5	929
15-17	14.6	41.7	26.5	17.3	43.8	.6	845
18-20	21.3	42.9	22.7	13.1	35.9	.3	616
21-23	36.4	36.4	19.4	7.8	27.1		129
ALL HOURS	22.9	39.4	22.5	15.2	37.7	.3	4672

MONTH: APR HOURS: ALL

00-02							0
03-05	46.7	34.2	14.0	5.1	19.1		430
06-08	23.3	47.2	21.0	8.6	29.6		744
09-11	22.2	47.7	22.4	7.7	30.1	.1	900
12-14	15.7	53.1	21.3	9.9	31.2	.3	900
15-17	11.8	51.2	26.5	10.4	36.9	.9	804
18-20	18.0	47.4	27.4	7.1	34.5	.7	588
21-23	36.8	35.3	26.3	1.5	27.8		133
ALL HOURS	21.4	47.6	22.6	8.3	30.9	.3	4499

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02							0
03-05	47.4	39.1	9.2	4.3	13.5		422
06-08	34.2	45.2	16.5	4.1	20.6		732
09-11	29.2	50.4	16.8	3.6	20.5		909
12-14	23.0	57.2	14.5	5.3	19.8		908
15-17	20.6	54.7	19.2	5.4	24.7	.9	790
18-20	27.6	43.7	23.5	5.2	28.8	.2	591
21-23	44.6	31.1	20.3	4.1	24.3		148
ALL HOURS	29.2	49.1	17.0	4.6	21.7	.2	4500

MONTH: JUN HOURS: ALL

00-02							0
03-05	51.5	37.5	9.2	1.8	11.0		435
06-08	39.2	44.5	13.0	3.3	16.3		737
09-11	39.6	44.6	12.7	3.2	15.9		900
12-14	29.1	55.8	12.7	2.4	15.1		900
15-17	27.3	57.3	12.8	2.1	14.9		798
18-20	35.1	42.9	17.9	3.8	21.7	.5	627
21-23	50.1	29.6	16.0	4.1	20.1	.6	169
ALL HOURS	36.4	47.5	13.3	2.9	16.1	.1	4566

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN OVERCAST	TOTAL OBSCURATION			
00-02							0
03-05	17.1	43.9	30.3	8.7	39.0	.2	426
06-08	8.9	51.9	33.7	5.5	39.1	.1	728
09-11	10.9	57.1	28.1	3.9	32.0	.3	906
12-14	4.3	71.3	21.1	3.3	24.4	.1	908
15-17	3.2	74.7	19.7	2.5	22.1	.5	814
18-20	3.8	54.5	34.7	6.9	41.6	1.8	651
21-23	11.0	45.7	29.9	13.4	43.3	.6	164
ALL HOURS	7.5	60.2	27.3	5.0	32.3	.5	4597

MONTH: AUG HOURS: ALL

00-02								0
03-05	27.0	42.8	23.3	7.0		30.2		460
06-08	5.8	59.3	29.2	5.7		34.9	.1	771
09-11	6.0	63.4	26.0	4.5		30.5	.3	930
12-14	1.8	74.6	20.5	3.0		23.5	.1	930
15-17	1.2	75.6	21.8	1.4		23.2	.7	839
18-20	3.2	59.2	31.2	6.2	.2	37.6	1.2	657
21-23	10.1	52.2	26.4	11.3		37.7	1.3	159
ALL HOURS	6.1	64.1	25.2	4.6	.0	29.8	.4	4746

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02							0
03-05	49.3	30.5	15.0	5.2	20.2		420
06-08	16.8	59.5	19.8	3.9	23.7	.3	716
09-11	15.9	60.8	19.6	3.8	23.3	.3	879
12-14	9.0	67.8	20.0	3.2	23.2		879
15-17	8.7	68.6	18.3	4.5	22.7	.3	783
18-20	18.1	54.2	21.4	6.3	27.6	.3	590
21-23	35.7	45.5	14.0	4.9	18.9		143
ALL HOURS	17.5	59.1	19.1	4.3	23.4	.2	4410

MONTH: OCT HOURS: ALL

00-02							0
03-05	52.3	29.8	12.2	5.6	17.8		426
06-08	30.0	45.0	21.3	3.8	25.0	.1	743
09-11	28.7	45.3	20.6	5.4	26.0	.2	909
12-14	19.4	54.7	20.4	5.6	26.0	.2	909
15-17	17.9	54.2	22.1	5.8	27.9	.1	810
18-20	31.4	41.0	21.9	5.7	27.6		566
21-23	41.0	34.9	19.3	4.8	24.1		83
ALL HOURS	27.9	46.6	20.3	5.3	25.6	.1	4446

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02								0
03-05	54.7	27.9	9.5	7.9		17.4		391
06-08	32.3	45.5	14.5	7.6	.1	22.2		688
09-11	25.3	45.4	19.9	9.3	.1	29.3		850
12-14	24.4	43.4	25.1	6.9		32.2	.1	855
15-17	24.6	41.7	25.8	7.9		33.7	.1	756
18-20	37.3	38.1	16.6	8.1		24.7	.2	507
21-23	40.9	31.8	20.5	6.8		27.3		44
ALL HOURS	30.6	41.6	19.8	7.9	.0	27.8	.1	4091

MONTH: DEC HOURS: ALL

00-02								0
03-05	51.5	23.3	14.4	10.4	.3	25.2		326
06-08	31.8	37.7	19.5	11.1		30.5	.6	658
09-11	21.3	40.4	26.5	11.8		38.3	.9	864
12-14	17.7	42.0	28.0	12.4		40.3	1.2	865
15-17	17.3	41.7	28.1	12.9		40.9	1.9	745
18-20	34.6	33.3	20.2	11.9		32.1		405
21-23	54.8	28.6	7.1	9.5		16.7		42
ALL HOURS	25.8	38.3	24.1	11.9	.0	36.0	.9	3905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02								0
03-05	44.3	32.4	15.3	8.0	.1	23.4	.2	4972
06-08	25.4	45.8	21.0	7.7	.1	28.8	.3	8684
09-11	21.8	48.0	22.4	7.7	.1	30.1	.5	10697
12-14	16.0	54.1	21.9	7.9	.0	29.9	.4	10707
15-17	14.8	53.8	23.0	8.4		31.5	.7	9505
18-20	22.0	45.1	24.6	8.3	.0	32.9	.6	6834
21-23	33.0	37.9	22.0	7.1		29.1	.3	1336
ALL HOURS	22.4	47.8	21.8	8.0	.0	29.8	.4	52735

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

E - 1 - 1

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 120						.1							.0
GE 115						.3	.1						.0
GE 110					.1	4.8	4.6	.7	.9				.9
GE 105					1.6	22.4	31.6	14.9	7.3				6.6
GE 100				.1	9.7	53.9	70.3	55.2	30.4	1.9			18.8
GE 95				5.5	32.4	80.6	92.4	86.6	63.5	14.1			31.8
GE 90		.1	1.0	18.9	60.5	94.0	98.0	96.6	85.2	34.7	.8		41.5
GE 85		.9	7.4	40.8	79.6	99.2	99.7	99.2	94.7	59.7	6.3		49.7
GE 80	1.2	7.5	22.2	63.5	89.7	99.9	100.0	99.7	97.9	78.2	24.5	1.8	57.9
GE 75	6.9	22.3	43.1	77.8	96.0	99.9		99.9	99.6	89.5	46.7	10.1	66.6
GE 70	23.3	43.2	62.5	88.0	99.1	100.0		100.0	100.0	96.1	68.0	28.5	76.2
GE 65	45.2	66.8	79.2	95.4	99.9					98.5	84.6	54.5	85.6
GE 60	71.0	84.0	92.6	99.0	100.0					99.6	94.4	77.8	93.3
GE 55	88.6	95.0	98.2	99.8						99.8	98.9	91.0	97.6
GE 50	96.5	98.8	99.9	100.0						100.0	99.7	96.5	99.3
GE 45	99.3	99.8	100.0								99.9	99.3	99.9
GE 40	99.9	100.0									100.0	100.0	100.0
GE 35	100.0												100.0
MEAN	63.6	67.9	72.3	81.4	90.4	99.7	101.8	99.6	96.0	85.6	73.2	64.9	83.3
SD	7.50	8.03	8.57	8.90	7.75	6.15	5.04	4.91	6.48	8.33	8.11	7.65	15.64
TOTAL OBS	1464	1325	1472	1453	1489	1458	1486	1511	1438	1492	1421	1439	17448

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 95						.1	.1	.1					.0
GE 90					.1	1.5	3.2	1.2	.6				.6
GE 85					.7	6.4	14.6	7.7	2.6	.1			2.7
GE 80				.3	2.9	16.9	52.6	35.9	11.3	.5			10.3
GE 75				.7	7.5	33.7	84.8	75.6	32.2	1.7	.1		20.1
GE 70		.1	.2	3.9	18.0	59.7	97.6	96.1	63.6	8.9	.2		29.6
GE 65		.2	1.0	10.5	38.5	84.4	99.9	99.4	87.1	28.3	.9	.1	38.1
GE 60	.1	.5	3.4	25.1	67.9	96.7	100.0	99.9	96.8	52.5	4.0	.2	46.3
GE 55	1.0	4.3	14.1	48.2	88.2	99.7		100.0	99.4	77.1	14.0	2.2	54.8
GE 50	7.0	17.1	35.1	73.2	96.4	100.0			100.0	90.7	37.1	9.2	64.5
GE 45	22.1	40.2	65.2	90.8	99.3					96.7	65.6	25.2	76.0
GE 40	48.3	69.0	86.8	98.2	99.9					99.1	84.9	53.2	86.9
GE 35	77.1	87.7	96.9	99.9	100.0					99.9	96.7	80.7	95.0
GE 33	84.0	92.3	98.6	100.0						100.0	98.4	88.3	96.9
GE 30	92.3	96.8	99.7								99.8	95.4	98.7
GE 25	98.1	99.7	99.9								99.9	99.7	99.8
GE 20	99.8	100.0	100.0								100.0	100.0	100.0
GE 15	100.0												100.0
MEAN	39.3	42.8	47.0	54.5	62.9	71.9	79.6	77.7	71.6	59.7	47.1	40.3	58.1
SD	6.85	6.98	6.79	7.76	7.69	7.44	4.93	4.85	6.53	7.60	7.06	6.64	15.72
TOTAL OBS	1448	1325	1472	1453	1489	1458	1486	1511	1438	1492	1421	1439	17432

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 105						.1							.0
GE 100						1.1	1.3	.1	.1				.2
GE 95					.3	7.2	17.1	5.6	2.1				2.7
GE 90					3.2	28.5	66.0	47.3	15.8	.1			13.7
GE 85				.6	11.4	61.2	94.0	85.9	48.5	3.2			25.9
GE 80				5.6	36.2	85.9	99.5	98.1	79.5	18.7	.1		35.9
GE 75		.1	1.1	20.9	67.2	96.8	100.0	99.8	94.6	42.5	.7		44.3
GE 70		.7	6.7	43.6	84.8	99.7		100.0	99.1	71.5	7.0	.1	51.9
GE 65	.6	7.7	24.3	69.9	95.0	100.0			99.9	87.1	28.1	1.0	60.2
GE 60	8.1	26.9	52.7	86.4	99.1				100.0	95.9	57.3	11.7	70.5
GE 55	31.9	57.1	78.3	96.2	99.9					98.9	80.7	40.5	82.3
GE 50	66.4	82.6	93.7	99.5	100.0					99.6	94.9	72.7	92.6
GE 45	87.8	94.7	99.5	100.0						99.9	99.4	91.6	97.8
GE 40	97.1	99.3	99.9							100.0	99.9	98.2	99.5
GE 35	99.4	99.9	100.0								100.0	99.9	99.9
GE 33	99.7	100.0										100.0	100.0
GE 30	100.0												100.0
MEAN	51.6	55.5	59.8	68.1	76.9	86.0	90.9	88.8	84.0	72.8	60.3	52.8	70.9
SD	5.92	6.38	6.58	7.37	6.86	5.97	3.97	4.02	5.56	7.05	6.45	5.82	15.22
TOTAL OBS	1448	1325	1472	1453	1489	1458	1486	1511	1438	1492	1421	1439	17432

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42			90	94	108	111	114	108	106	101	87	81	114*
43	76	93	92	101	104	108	112	105	107	98	87	77	112
44	80	78	82	90	99	110	108	112	105	99	87	75	112
45	79	80	85	96	99	108	110	108	111	94	86	74	111
46	77	73*		98	98	108	110	110	106	90	81	80	110*
47	76	88	88	95	108	107	113	110	111	100	90	76	113
48	80	83	82	99	101	110	112	111	110	100	82	75	112
49	69	81	82	98	104	110	110	109	107	96	91	80	110
50	80	83	89	97	100	113	112	111	113	102	86	83	113
51	84	84	84	95	110	108	112	107	104	99	80	76	112
52	73	77	81	95	102	110	110	108	108	101	87	77	110
53	84	80	90	97	99	111	113	109	107	103	92	76	113
54	81	86	86	98	101	110	112	108	109	101	89	78	112
55	74	79	87	92	103	114	112	105	108	101	87	84	114
56	84	77	93	92	107	112	110	106	105	100	89	75	112
57	70	89	85	92	99	114	113	107	105	100	79	78	114
58	76	84	81	99	109	109	116	107	105	99	85	82	116
59	78	77	84	97	100	111	111	104	105	101	83	82	111
60	75	74	90	93	106	111	109	108	106	96	87	75	111
61	78*	79*	83*	95*	98*	110*	108*	105*	97*	96*	74*	73*	110*
62	75*	77*	88*	97*	99*	109*	105*	110*	106*	95*	86*	78*	110*
63	76*	86*	83*	91*	102	103	108	103	103	99	86	75	108*
64	72	73	89	93	101	108	108	105	102	97	85	70	108
65	77	80	89	99	102	103	110	108	100	96	88	81	110
66	70	70	88	91	99	109	107	106	102	92	85	75	109
67	76	80	87	84	103	106	108	105	100	94	91	67	108
68	72	82	86	90	102	112	106	100	105	92	79	75	112
69	70	75	90	94	103	107	110	110	106	94	80	75	110
70	72	82	78	88	106	117	110	109	106	90	82	78	117
71	84	82	93	91	96	108	111	102	112	92	87	71	112
72	74	82	92	94	98	112	114	114	104	103	79	74	114
73	74	75	73	93	103	113	112	108	105	96	85	80*	113*
74	75	81	86	90	107	112	109	105	106	100	81	71*	112*
75	79	76	80	86	98	103	107	109	101	96	91	80	109

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	81	80	86	90	100	105	111	105	98	92	85	75	111
77	76	86	84	93	105	108	106	107	105	98	87	77*	108*
78	71	80	89	90	103	107	111	103	101	98	87	70*	111*
79	67	76	79	90	99	110	107	103	106	96	83	78	110
80	71	80	74	96	98	110	110	107	103	103	91	82	110
81	74	84	85	96	96	110	107	108	101	91	85	81*	110*
82	72	82	78	89	94	101	104	104	104	89	80	69*	104*
83	77	76	84	86	104	101	109	104	104	87	82	70*	109*
84	74	77	82	98	106	107	105	103	100	89	84	71	107
85	70	78	83	97	98	110	107	108	101	92	85	71	110
86	80	82	90	90	99	105	108	105	102	89	77	73*	108*
87	75	77	82	94	95	107	107	103	101	97	84	74	107
88	73	77	91	93	103	112	109	109	104	101	89	80	112
89	77	83	89	100	103	107	109	104	104	95	84	75	109
90	77	81	86	93	96	120	107	109	108	97	87	74	120
91	73*	82*	*										82*
.....													
GREATEST	84	93	93	101	110	120	116	114	113	103	92	84	120
.....													
TOTAL OBS	1464	1325	1472	1453	1489	1458	1486	1511	1438	1492	1421	1439	17448

THE GREATEST VALUE OF 120 OCCURRED ON 06/28/90

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42			33	38	45	60	68	64	64	44	37	35	33*
43	29	32	38	43	51	59	68	72	59	45	38	34	29
44	28	32	35	42	51	55	70	72	62	53	32	31	28
45	29	33	35	37	52	56	73	72	55	44	36	29	29
46	30	28*		42	57	66	68	69	62	45	30	30	28*
47	24	33	41	45	53	64	74	70	63	49	30	29	24
48	22	24	33	41	53	59	74	71	64	46	30	25	22
49	22	27	36	38	54	59	73	67	68	36	43	27	22
50	20	36	38	42	44	54	70	68	57	52	37	32	20
51	23	30	30	40	43	58	71	65	62	42	35	28	23
52	27	30	32	48	58	63	70	71	59	52	33	30	27
53	32	24	38	35	46	57	71	67	52	42	31	26	24
54	29	34	32	47	48	56	70	68	63	42	39	23	23
55	27	24	31	35	45	53	67	69	57	46	34	34	24
56	34	28	30	41	50	64	67	63	66	38	22	25	22
57	33	32	38	41	44	59	73	67	59	50	34	33	32
58	29	36	37	40	56	63	72	75	60	49	30	33	29
59	31	35	37	50	47	60	76	73	58	43	39	32	31
60	28	28	38	40	51	67	71	71	55	45	36	24	24
61	32*	37*	42*	42*	51*	56*	68*	68*	58*	37*	30*	31*	30*
62	23*	28*	31*	47*	48*	58*	71*	63*	66*	53*	34*	39*	23*
63	22*	34*	34*	42*	55	57	71	71	63	54	38	29	22*
64	20	26	30	37	43	58	72	67	59	50	33	28	20
65	30	28	29	40	40	55	72	66	50	46	23	33	23
66	29	27	24	40	52	58	69	71	65	43	34	23	23
67	20	30	34	41	37	58	73	73	63	44	38	28	20
68	30	35	36	35	47	54	64	59	50	44	32	21	21
69	26	29	32	46	48	62	66	74	62	44	36	29	26
70	24	30	35	36	47	61	71	74	58	37	36	32	24
71	17	29	24	45	50	54	71	71	56	34	35	28	17
72	22	24	37	42	51	68	74	73	60	39	34	27	22
73	27	33	35	38	48	61	69	68	58	42	33	29*	27*
74	25	28	35	39	43	61	68	67	65	43	35	26*	25*
75	27	27	35	34	39	62	70	67	59	35	34	31	27

B - 3 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	23	34	33	37	52	55	71	66	61	43	31	30	23
77	29	29	30	35	48	63	74	73	64	53	40	35*	29*
78	32	41	43	42	52	63	66	70	57	56	39	24*	24*
79	30	34	39	38	45	56	68	62	64	43	31	32	30
80	33	34	40	38	47	59	73	70	62	47	40	35	33
81	36	32	43	47	56	66	74	72	65	47	43	35*	32*
82	36	34	41	44	55	62	67	71	56	45	39	29*	29*
83	33	37	37	39	52	60	72	71	65	58	36	37*	33*
84	30	34	39	45	54	65	73	72	64	47	37	38	30
85	33	25	37	50	58	63	72	67	57	54	37	34	25
86	37	36	42	44	49	67	70	75	58	50	41	33*	33*
87	28	36	40	49	55	67	68	70	62	58	39	28	28
88	31	36	33	43	49	60	78	79	62	59	40	32	31
89	32	31	39	49	55	64	76	71	61	42	36	28	28
90	32	28	34	49	54	63	75	70	65	49	35	29	28
91	27*	38*	*										27*
.....													
LEAST	17	24	24	34	37	53	64	59	50	34	22	21	17
.....													
TOTAL OBS	1448	1325	1472	1453	1489	1458	1486	1511	1438	1492	1421	1439	17432

THE LEAST VALUE OF 17 OCCURRED ON 01/07/71

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42			57	65	74	84	92	88	85	73	64	56	74*
43	54	60	63	72	79	85	91	88	85	72	62	54	72
44	51	52	57	64	76	82	90	91	83	75	57	53	69
45	51	55	57	66	76	82	91	90	85	75	58	51	70
46	50	49*		74	77	88	90	88	83	67	55	54	71*
47	49	58	62	68	80	85	93	88	87	73	56	50	71
48	53	53	56	69	77	86	91	91	86	74	55	50	70
49	44	51	59	70	76	86	90	88	87	69	65	52	70
50	50	59	62	72	75	85	89	89	81	77	63	56	71
51	49	55	60	66	76	84	93	88	84	73	60	52	70
52	51	53	55	68	80	86	89	90	86	78	58	52	71
53	55	54	62	67	72	86	91	90	85	73	63	50	71
54	53	62	60	73	79	85	91	88	86	75	64	53	72
55	48	51	61	66	75	85	87	86	84	77	60	57	70
56	57	50	61	67	78	88	89	87	86	71	58	53	71
57	54	62	62	67	73	88	92	89	84	71	57	56	71
58	53	59	58	67	83	89	92	90	85	76	62	58	73
59	55	55	63	73	75	90	93	87	83	73	62	54	72
60	49	51	64	69	77	89	91	89	86	71	61	52	71
61	53*	58*	61*	70*	76*	88*	91*	86*	80*	70*	56*	51*	72*
62	50*	55*	56*	74*	74*	83*	90*	91*	85*	74*	64*	57*	71*
63	50*	59*	60*	65*	79	81	91	86	84	75	60	51	71*
64	46	48	56	64	73	83	90	86	81	76	57	52	68
65	53	53	57	66	73	79	90	88	79	74	63	53	69
66	47	49	60	69	80	86	91	89	83	71	61	51	70
67	50	56	62	62	74	82	90	89	83	73	64	48	70
68	52	59	59	66	75	86	88	85	83	71	58	47	69
69	52	53	57	69	80	85	91	93	85	68	60	52	71
70	50	58	57	63	79	88	94	91	82	68	61	52	70
71	51	54	62	66	74	85	93	87	84	68	59	49	70
72	49	56	68	69	78	89	95	90	86	69	54	48	71
73	49	54	53	65	79	87	91	91	84	72	60	55*	70*
74	52	55	62	69	78	91	89	89	85	74	59	50*	71*
75	51	52	56	59	72	83	90	88	83	70	59	52	68

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB AZ
LST TO UTC: +07

PERIOD OF RECORD: 4203-9103
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	52	57	58	63	75	81	89	87	80	68	60	52	68
77	52	59	56	69	72	87	91	90	84	76	63	57*	72*
78	53	59	64	67	76	87	93	90	86	78	62	50*	73*
79	50	55	58	69	76	87	90	85	86	74	61	55	71
80	55	57	58	66	73	87	93	89	84	74	63	58	72
81	55	58	59	73	78	90	92	92	84	71	63	57*	73*
82	53	58	60	68	76	83	89	89	82	70	60	53*	70*
83	54	56	59	64	77	85	91	87	86	73	61	56*	71*
84	53	56	63	67	83	86	88	87	84	69	60	54	71
85	51	54	61	73	80	89	90	89	79	73	60	53	71
86	57	58	65	70	79	88	88	90	80	71	61	54*	72*
87	52	57	59	74	79	88	90	89	83	77	61	50	72
88	51	57	61	69	80	90	95	94	86	80	64	57	74
89	53	58	64	78	81	88	94	91	87	75	63	53	74
90	53	54	63	71	76	89	91	87	85	75	62	50	71
91	51*	61*	*										56*
.....													
MEAN	51.6	55.5	59.8	68.1	76.9	86.0	90.9	88.8	84.0	72.8	60.3	52.8	70.9
.....													
TOTAL OBS	1448	1325	1472	1453	1489	1458	1486	1511	1438	1492	1421	1439	17432
.....													

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	44.4	5.295	406	0	4	0	0	0	406
06-08	43.0	5.628	719	0	17	0	0	0	719
09-11	51.0	6.419	895	0	1	21	0	0	895
12-14	60.0	6.318	893	0	0	207	0	0	893
15-17	62.6	6.656	780	0	0	298	1	0	780
18-20	57.1	5.903	521	0	0	63	0	0	521
21-23	52.4	5.273	37	0	0	0	0	0	37
ALL HOURS	53.8	9.549	4251	0	22	589	1	0	4251

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	47.5	6.459	383	0	5	0	0	0	383
06-08	46.4	6.436	669	0	11	0	0	0	669
09-11	55.7	7.507	828	0	3	106	0	0	828
12-14	64.2	8.259	828	0	0	416	11	0	828
15-17	66.9	8.856	740	0	0	482	44	0	740
18-20	62.5	7.960	514	0	0	220	6	0	514
21-23	56.6	6.423	85	0	0	9	0	0	85
ALL HOURS	58.0	10.898	4047	0	19	1233	61	0	4047

E - 5 - 1 - 1

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

DURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
0-02	.0	.000	0	0	0	0	0	0	0
3-05	51.0	5.981	447	0	0	6	0	0	447
5-08	50.9	6.211	779	0	0	12	0	0	779
9-11	61.7	7.208	927	0	0	316	4	0	927
12-14	68.7	8.055	929	0	0	620	83	0	929
15-17	71.0	8.581	845	0	0	639	151	0	845
18-20	67.2	7.909	616	0	0	404	34	0	616
1-23	61.5	6.055	129	0	0	44	0	0	129
ALL DURS	62.7	10.681	4672	0	0	2041	272	0	4672

MONTH: APR

DURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
0-02	.0	.000	0	0	0	0	0	0	0
3-05	59.1	6.603	430	0	0	97	0	0	430
5-08	61.1	7.580	744	0	0	249	5	0	744
9-11	72.6	8.212	900	0	0	742	203	2	900
12-14	79.0	8.784	900	0	0	831	473	31	900
15-17	81.3	8.983	804	0	0	755	509	64	804
18-20	78.0	8.876	588	0	0	531	285	13	588
1-23	72.1	7.555	133	0	0	113	21	0	133
ALL DURS	72.9	11.581	4499	0	0	3318	1496	110	4499

E - 5 - 1 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	65.8	6.052	422	0	0	239	5	0	422
06-08	70.0	7.468	732	0	0	551	76	0	732
09-11	80.8	7.279	909	0	0	888	554	40	909
12-14	86.8	7.287	908	0	0	907	763	194	908
15-17	89.2	7.278	790	0	0	790	705	261	790
18-20	86.3	7.559	591	0	0	591	480	119	591
21-23	80.2	6.579	148	0	0	145	88	6	148
ALL HOURS	81.0	10.763	4500	0	0	4111	2671	620	4500

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	74.4	6.069	435	0	0	420	85	0	435
06-08	78.9	6.550	737	0	0	725	362	12	737
09-11	89.4	5.400	900	0	0	900	864	266	900
12-14	95.5	5.268	900	0	0	900	900	647	900
15-17	98.5	5.462	798	0	0	798	798	693	798
18-20	96.1	5.768	627	0	0	627	626	467	627
21-23	90.0	5.523	169	0	0	169	164	54	169
ALL HOURS	90.0	10.000	4565	0	0	4539	3799	2139	4566

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	81.0	4.790	426	0	0	426	277	3	426
06-08	83.1	4.865	728	0	0	728	566	14	728
09-11	90.7	5.036	906	0	0	906	879	338	906
12-14	96.1	5.046	908	0	0	908	903	727	908
15-17	99.0	5.323	814	0	0	814	812	728	814
18-20	96.8	5.953	651	0	0	651	647	519	651
21-23	92.5	5.087	164	0	0	164	163	86	164
ALL HOURS	92.1	8.098	4597	0	0	4597	4247	2415	4597

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	0	0
03-05	80.2	4.103	460	0	0	460	266	0	460
06-08	81.6	4.636	771	0	0	771	522	3	771
09-11	89.7	5.134	930	0	0	930	899	274	930
12-14	95.2	5.320	930	0	0	930	920	703	930
15-17	97.6	5.405	839	0	0	839	831	715	839
18-20	94.8	6.040	657	0	0	657	642	463	657
21-23	90.4	5.246	159	0	0	159	153	71	159
ALL HOURS	90.6	8.166	4746	0	0	4746	4233	2229	4746

E - 5 - 1 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	73.0	5.773	420	0	0	385	61	0	420
06-08	74.2	6.512	716	0	0	669	155	1	716
09-11	84.6	6.704	879	0	0	877	688	89	879
12-14	90.8	6.805	879	0	0	879	809	410	879
15-17	92.8	7.160	783	0	0	783	729	473	783
18-20	88.3	7.557	590	0	0	590	509	187	590
21-23	83.2	6.136	143	0	0	143	102	7	143
ALL HOURS	85.0	9.860	4410	0	0	4326	3053	1167	4410

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	63.0	6.024	426	0	0	183	0	0	426
06-08	63.2	6.355	743	0	0	342	4	0	743
09-11	74.5	6.782	909	0	0	853	211	3	909
12-14	81.7	6.760	909	0	0	909	598	58	909
15-17	83.4	6.929	810	0	0	807	588	80	810
18-20	77.1	6.892	566	0	0	548	211	8	566
21-23	71.9	6.562	83	0	0	72	10	0	83
ALL HOURS	74.9	10.245	4446	0	0	3714	1622	149	4446

E - 5 - 1 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786 STATION NAME: WILLIAMS AFB/CHANDLER AZ PERIOD OF RECORD: APR 81 - MAR 91
LST TO UTC: + 7 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	52.0	6.676	391	0	0	14	0	0	391
06-08	51.2	6.766	688	0	0	14	0	0	688
09-11	61.8	7.582	850	0	0	315	7	0	850
12-14	69.8	7.681	855	0	0	636	86	0	855
15-17	71.8	7.771	756	0	0	614	127	0	756
18-20	64.9	7.314	507	0	0	278	6	0	507
21-23	59.7	6.162	44	0	0	9	0	0	44
ALL HOURS	63.0	10.658	4091	0	0	1880	226	0	4091

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	45.3	5.839	326	0	3	0	0	0	326
06-08	44.0	6.377	658	0	21	0	0	0	658
09-11	52.1	7.148	864	0	4	33	0	0	864
12-14	60.7	7.027	865	0	0	262	3	0	865
15-17	63.1	6.914	745	0	0	335	4	0	745
18-20	57.4	6.006	405	0	0	45	0	0	405
21-23	53.0	4.698	42	0	0	2	0	0	42
ALL HOURS	54.7	9.792	3905	0	28	677	7	0	3905

E - 5 - 1 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	62.1	14.136	4972	0	12	2230	694	3	4972
06-08	62.6	15.724	8684	0	49	4061	1690	30	8684
09-11	72.3	15.975	10697	0	8	6887	4309	1012	10697
12-14	79.3	15.065	10704	0	0	8405	5549	2770	10704
15-17	81.7	15.201	9504	0	0	7954	5299	3014	9504
18-20	78.7	15.985	6833	0	0	5205	3446	1776	6833
21-23	77.6	14.555	1336	0	0	1029	701	224	1336
ALL HOURS	73.8	17.096	52730	0	69	35771	21688	8829	52730

E - 5 - 1 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786 STATION NAME: WILLIAMS AFB/CHANDLER AZ PERIOD OF RECORD: APR 81 - MAR 91
LST TO UTC: + 7 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	39.5	5.131	405	29	13	0	0	0	405
06-08	38.5	5.389	718	82	23	0	0	0	718
09-11	43.7	5.000	895	12	98	0	0	0	895
12-14	48.0	4.439	893	1	365	0	0	0	893
15-17	48.9	4.453	780	0	363	0	0	0	780
18-20	46.9	4.403	521	3	146	0	0	0	521
21-23	44.4	4.105	37	0	4	0	0	0	37
ALL HOURS	44.7	6.238	4249	127	1012	0	0	0	4249

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	41.2	5.996	383	29	26	0	0	0	383
06-08	40.5	6.146	669	59	48	0	0	0	669
09-11	46.2	5.534	828	14	237	0	0	0	828
12-14	49.8	5.233	828	7	470	0	0	0	828
15-17	50.6	5.248	740	3	466	0	0	0	740
18-20	49.1	5.295	514	2	256	0	0	0	514
21-23	46.5	5.219	85	0	27	0	0	0	85
ALL HOURS	46.7	6.748	4047	114	1530	0	0	0	4047

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	43.2	5.382	447	12	57	0	0	0	447
06-08	43.4	5.435	779	23	102	0	0	0	779
09-11	49.1	4.839	927	0	463	0	0	0	927
12-14	51.7	4.647	929	0	636	0	0	0	929
15-17	52.3	4.459	845	0	621	0	0	0	845
18-20	51.0	4.611	616	0	384	0	0	0	616
21-23	48.4	4.312	129	0	52	0	0	0	129
ALL HOURS	48.9	5.987	4672	35	2315	0	0	0	4672

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	46.9	5.215	430	0	138	0	0	0	430
06-08	48.4	5.542	744	0	320	0	0	0	744
09-11	53.8	4.596	900	0	730	0	0	0	900
12-14	56.0	4.433	900	0	821	2	0	0	900
15-17	56.7	4.420	804	0	742	1	0	0	804
18-20	55.3	4.525	588	0	516	0	0	0	588
21-23	52.9	4.643	133	0	102	0	0	0	133
ALL HOURS	53.4	5.902	4499	0	3369	3	0	0	4499

E - 5 - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	50.5	4.847	422	0	232	0	0	0	422
06-08	53.1	5.027	732	0	556	2	1	0	732
09-11	57.9	4.159	909	0	891	17	3	0	909
12-14	60.0	3.937	908	0	899	40	5	0	908
15-17	60.8	3.688	790	0	789	42	2	0	790
18-20	59.5	3.693	591	0	591	12	1	0	591
21-23	56.8	3.603	148	0	146	0	0	0	148
ALL HOURS	57.5	5.442	4500	0	4104	113	12	0	4500

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	55.8	5.937	435	0	379	25	2	0	435
06-08	58.3	5.664	737	0	696	63	10	0	737
09-11	62.9	4.544	900	0	900	194	29	0	900
12-14	65.3	4.161	900	0	900	359	55	0	900
15-17	66.3	3.983	798	0	798	393	52	0	798
18-20	65.4	4.212	627	0	627	258	36	0	627
21-23	63.0	4.886	169	0	169	41	4	0	169
ALL HOURS	62.9	5.844	4566	0	4469	1333	188	0	4566

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

HOURLY LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	66.6	5.553	426	0	422	276	24	1	426
06-08	67.6	4.928	728	0	725	520	80	0	728
09-11	69.8	3.942	906	0	906	743	238	0	906
12-14	71.2	3.527	908	0	908	809	337	3	908
15-17	71.8	2.996	814	0	814	761	357	0	814
18-20	71.1	3.093	651	0	651	603	223	0	651
21-23	70.0	3.412	164	0	164	142	41	0	164
ALL HOURS	70.0	4.293	4597	0	4590	3854	1300	4	4597

MONTH: AUG

HOURLY LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	68.0	4.367	460	0	460	359	46	0	460
06-08	68.7	4.126	771	0	771	626	96	0	771
09-11	71.1	3.261	930	0	930	840	303	0	930
12-14	72.1	2.967	930	0	930	869	470	4	930
15-17	72.3	3.058	839	0	839	795	440	7	839
18-20	71.3	2.951	657	0	657	608	240	2	657
21-23	70.6	3.216	159	0	159	139	40	0	159
ALL HOURS	70.8	3.749	4746	0	4746	4236	1635	13	4746

E - 5 - 2 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	61.4	6.351	420	0	413	94	12	0	420
06-08	62.2	6.349	716	0	704	197	25	0	716
09-11	66.4	4.778	879	0	879	448	99	0	879
12-14	67.8	4.379	879	0	879	528	148	0	879
15-17	67.8	4.393	783	0	783	475	114	0	783
18-20	66.1	4.585	590	0	590	293	40	0	590
21-23	64.5	4.908	143	0	143	60	3	0	143
ALL HOURS	65.7	5.586	4410	0	4391	2095	441	0	4410

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	53.2	7.046	426	0	284	4	0	0	426
06-08	53.6	7.141	743	0	507	12	0	0	743
09-11	59.1	5.845	909	0	849	66	3	0	909
12-14	61.5	5.019	909	0	894	118	6	0	909
15-17	61.5	4.742	810	0	802	100	1	0	810
18-20	59.5	5.444	565	0	536	52	0	0	565
21-23	57.6	5.892	83	0	73	4	0	0	83
ALL HOURS	58.6	6.664	4445	0	3945	356	10	0	4445

E - 5 - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	44.0	6.849	391	4	90	0	0	0	391
06-08	43.7	7.007	688	13	143	0	0	0	688
09-11	49.7	6.050	850	0	432	3	0	0	850
12-14	53.0	5.372	855	0	620	7	0	0	855
15-17	53.5	5.137	756	0	586	5	0	0	756
18-20	50.7	5.569	507	0	284	3	0	0	507
21-23	48.4	5.414	44	0	15	0	0	0	44
ALL HOURS	49.7	7.024	4091	17	2170	18	0	0	4091

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	40.0	5.960	326	37	18	0	0	0	326
06-08	39.1	6.287	658	99	46	0	0	0	658
09-11	44.4	5.637	864	23	172	0	0	0	864
12-14	48.6	4.933	865	3	411	0	0	0	865
15-17	49.6	4.796	745	2	411	0	0	0	745
18-20	47.3	5.046	405	1	149	0	0	0	405
21-23	44.1	5.295	42	0	8	0	0	0	42
ALL HOURS	45.4	6.690	3905	165	1215	0	0	0	3905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786 STATION NAME: WILLIAMS AFB/CHANDLER AZ PERIOD OF RECORD: APR 81 - MAR 91
LST TO UTC: + 7 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	51.3	11.378	4971	111	2532	758	84	1	4971
06-08	51.7	11.949	8683	276	4641	1420	212	0	8683
09-11	56.3	10.620	10697	49	7487	2311	675	0	10697
12-14	58.9	9.592	10704	11	8733	2732	1021	7	10704
15-17	59.5	9.374	9504	5	8014	2572	966	7	9504
18-20	58.6	9.800	6832	6	5387	1829	540	2	6832
21-23	58.8	9.904	1336	0	1062	386	88	0	1336
ALL HOURS	56.5	10.859	52727	458	37856	12008	3586	17	52727

B - 5 - 2 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	32.7	7.844	405	106	120	405	0	405
06-08	32.2	7.808	718	201	200	717	0	718
09-11	35.0	7.538	895	135	342	892	0	895
12-14	34.5	8.774	893	200	361	890	0	893
15-17	33.5	9.359	780	207	287	778	0	780
18-20	35.1	8.603	521	93	219	521	0	521
21-23	34.8	7.841	37	9	16	37	0	37
ALL HOURS	33.9	8.477	4249	951	1545	4240	0	4249

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	828
03-05	32.9	9.339	383	124	148	383	0	828
06-08	32.7	9.010	669	212	244	669	0	828
09-11	35.2	8.833	828	175	376	828	0	828
12-14	34.1	9.514	828	209	352	828	0	828
15-17	32.9	9.552	740	210	271	740	0	828
18-20	34.5	9.469	514	131	232	514	0	828
21-23	34.8	9.249	85	24	40	85	0	828
ALL HOURS	33.8	9.347	4047	1085	1663	4047	0	4047

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	33.2	10.275	447	127	189	447	0	447
06-08	33.8	9.885	779	206	343	779	0	779
09-11	35.3	9.916	927	207	470	924	0	927
12-14	33.8	9.940	929	252	401	924	0	929
15-17	32.5	9.623	845	267	296	845	0	845
18-20	33.4	10.123	616	167	252	616	0	616
21-23	33.3	9.986	129	35	54	129	0	129
ALL HOURS	33.7	9.991	4672	1261	2005	4664	0	4672

MONTH: APR

00-02	.0	.000	0	0	0	0	0	900
03-05	32.6	9.035	430	129	140	430	0	900
06-08	34.4	8.919	744	169	285	738	0	900
09-11	35.3	8.258	900	151	389	898	0	900
12-14	34.4	7.707	900	171	354	900	0	900
15-17	33.7	7.840	804	185	277	804	0	900
18-20	33.1	8.328	588	152	201	588	0	900
21-23	33.2	8.613	133	31	47	133	0	900
ALL HOURS	34.1	8.366	4499	988	1693	4491	0	4499

E - 5 - 3 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	34.1	9.099	422	109	150	411	2	422
06-08	36.5	8.616	732	101	342	711	2	732
09-11	37.6	8.230	909	73	449	888	3	909
12-14	37.3	7.298	908	53	438	899	0	908
15-17	37.0	6.719	790	48	370	784	0	790
18-20	36.3	7.476	591	56	256	581	0	591
21-23	35.0	7.550	148	23	57	147	0	148
ALL HOURS	36.7	7.924	4500	463	2062	4421	7	4500

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	900
03-05	38.3	11.329	435	82	238	402	4	900
06-08	40.4	10.809	737	95	470	677	14	900
09-11	42.4	9.947	900	42	611	808	12	900
12-14	43.1	8.817	900	5	660	814	8	900
15-17	43.0	7.737	798	0	601	743	4	900
18-20	42.9	8.532	627	8	456	573	5	900
21-23	42.1	10.392	169	12	113	149	3	900
ALL HOURS	42.0	9.655	4566	244	3149	4166	50	4566

E - 5 - 3 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786 STATION NAME: WILLIAMS AFB/CHANDLER AZ PERIOD OF RECORD: APR 81 - MAR 91
LST TO UTC: + 7 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	57.3	10.556	426	9	397	134	110	426
06-08	58.0	9.928	728	7	694	213	207	728
09-11	57.7	9.300	906	3	874	279	234	906
12-14	56.9	8.738	908	0	889	319	175	908
15-17	56.1	8.086	814	0	802	330	116	814
18-20	56.3	8.057	651	0	646	259	93	651
21-23	57.0	8.394	164	0	160	59	28	164
ALL HOURS	57.0	9.065	4597	19	4462	1593	963	4597

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	930
03-05	60.9	7.900	460	1	450	78	153	930
06-08	61.4	7.403	771	0	760	119	283	930
09-11	61.1	6.963	930	0	925	158	314	930
12-14	59.8	7.096	930	0	924	198	250	930
15-17	58.3	7.313	839	0	831	227	158	930
18-20	58.3	7.333	657	0	648	194	129	930
21-23	59.7	7.454	159	0	158	35	44	930
ALL HOURS	59.9	7.418	4746	1	4696	1009	1331	4746

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	52.6	10.696	420	3	384	240	58	420
06-08	53.5	10.363	716	5	669	384	115	716
09-11	54.7	9.269	879	0	849	432	143	879
12-14	53.4	9.046	879	0	845	479	96	879
15-17	51.8	9.156	783	1	731	476	58	783
18-20	51.4	9.431	590	1	539	360	43	590
21-23	51.8	9.375	143	1	131	89	9	143
ALL HOURS	53.0	9.653	4410	11	4148	2460	522	4410

MONTH: OCT

00-02	.0	.000	0	0	0	0	0	909
03-05	43.6	12.104	426	39	284	352	7	909
06-08	44.3	11.763	743	54	511	608	14	909
09-11	46.4	11.179	909	48	720	700	20	909
12-14	45.6	10.894	909	60	721	732	16	909
15-17	44.0	10.768	810	68	610	699	6	909
18-20	44.9	10.937	565	41	433	478	19	909
21-23	45.3	10.816	83	8	65	67	1	909
ALL HOURS	45.0	11.260	4445	318	3344	3636	83	4445

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	33.8	11.430	391	118	131	381	0	391
06-08	34.1	11.428	688	206	263	659	0	688
09-11	36.7	10.744	850	175	407	800	1	850
12-14	35.9	10.966	855	201	369	806	3	855
15-17	34.9	10.601	756	202	305	729	1	756
18-20	35.4	10.459	507	111	200	493	3	507
21-23	35.6	11.083	44	10	20	43	0	44
ALL HOURS	35.3	10.969	4091	1023	1695	3911	8	4091

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	865
03-05	32.5	9.772	326	79	111	326	0	865
06-08	32.0	9.704	658	174	205	658	0	865
09-11	35.1	9.279	864	168	413	864	0	865
12-14	35.1	9.801	865	177	414	864	0	865
15-17	34.8	10.185	745	165	350	745	0	865
18-20	35.7	10.229	405	76	205	405	0	865
21-23	32.7	10.492	42	13	21	42	0	865
ALL HOURS	34.3	9.901	3905	852	1719	3904	0	3905

E - 5 - 3 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	40.8	14.414	4971	926	2742	3989	334	4971
06-08	41.3	14.186	8683	1430	4986	6932	635	8683
09-11	42.8	13.217	10697	1177	6825	8471	727	10697
12-14	42.1	13.069	10704	1328	6728	8653	548	10704
15-17	41.2	12.872	9504	1353	5731	7900	343	9504
18-20	42.1	12.877	6832	836	4287	5582	292	6832
21-23	43.6	13.646	1336	166	882	1015	85	1336
ALL HOURS	41.9	13.394	52727	7216	32181	42542	2964	52727

E - 5 - 3 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05	100.0	100.0	99.0	90.4	81.2	63.0	43.7	19.5	6.2	64.7	405
06-08	100.0	100.0	99.2	94.8	83.6	66.2	47.5	21.3	7.4	66.7	718
09-11	100.0	99.6	94.9	81.1	63.1	44.5	24.1	9.3	3.9	56.5	895
12-14	100.0	93.7	70.0	48.3	27.8	16.3	6.8	3.2	1.1	41.2	893
15-17	100.0	86.5	55.3	35.0	21.3	11.0	6.3	3.3	.9	36.6	780
18-20	100.0	96.7	83.5	56.4	39.3	22.8	11.1	6.0	1.5	46.4	521
21-23	100.0	100.0	89.2	78.4	48.6	40.5	21.6	2.7	2.7	53.3	37
ALL HOURS	100.0	95.7	82.0	65.9	50.2	35.2	21.4	9.5	3.3	50.9	4249

MONTH: FEB

00-02										.0	0
03-05	100.0	99.2	95.6	84.1	64.5	46.2	31.1	16.2	4.4	58.6	383
06-08	100.0	99.6	97.5	89.2	69.1	49.3	32.0	16.4	3.1	60.0	669
09-11	100.0	97.7	84.3	64.9	44.9	28.7	15.9	7.4	1.3	48.9	828
12-14	100.0	83.8	56.5	36.4	19.7	11.0	5.3	1.7		35.8	828
15-17	100.0	73.6	42.6	24.7	14.1	8.4	4.2	.5	.3	31.3	740
18-20	100.0	88.1	63.2	38.3	23.0	14.2	6.6	1.4	.2	38.0	514
21-23	100.0	96.5	80.0	60.0	40.0	25.9	11.8	2.4		46.2	85
ALL HOURS	100.0	89.7	71.5	54.1	37.1	24.5	14.4	6.4	1.3	44.3	4047

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05	100.0	98.0	85.2	68.0	51.0	39.1	30.4	16.8	3.1	53.7	447
06-08	100.0	99.1	87.7	70.6	53.4	41.2	30.9	17.3	2.6	54.8	779
09-11	100.0	89.2	67.0	45.4	29.6	19.1	10.0	3.5	.9	40.8	927
12-14	100.0	69.8	42.6	24.4	14.6	7.3	3.6	1.8	.5	30.8	929
15-17	100.0	56.3	34.1	18.6	11.0	6.7	3.8	1.7	.5	27.5	845
18-20	100.0	71.4	44.8	25.8	16.1	9.9	5.8	2.3	1.0	32.1	616
21-23	100.0	86.0	63.6	38.8	21.7	13.2	9.3	4.7		37.9	129
ALL HOURS	100.0	79.5	58.4	40.0	27.3	18.8	12.5	6.3	1.2	38.7	4672

MONTH: APR

00-02										.0	0
03-05	100.0	95.1	69.3	37.4	20.2	11.2	4.4	1.9		38.6	430
06-08	100.0	96.0	69.9	39.7	20.4	11.8	5.4	1.7	.5	38.9	744
09-11	100.0	70.2	33.8	16.3	7.8	3.0	.6	.2	.1	27.7	900
12-14	100.0	48.4	17.1	6.9	3.3	1.3	.2			21.7	900
15-17	99.8	34.2	12.8	5.7	3.5	1.4	.6	.1		19.7	804
18-20	100.0	43.5	15.8	8.2	4.3	1.9	1.2	.5		21.6	588
21-23	100.0	69.2	24.1	10.5	6.0	3.8	2.3	.8		25.8	133
ALL HOURS	100.0	62.5	33.4	17.2	8.9	4.5	1.8	.6	.1	27.1	4499

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05	100.0	88.4	48.6	21.1	8.1	5.9	4.5	1.4	.9	32.6	422
06-08	100.0	87.7	45.4	19.1	8.5	4.9	2.7	1.5	.4	31.3	732
09-11	100.0	53.9	20.1	6.5	2.2	1.2	.3			23.0	909
12-14	100.0	34.7	7.5	1.2	.6	.1				18.3	908
15-17	99.7	22.5	5.4	1.5	.9	.3	.1			16.8	790
18-20	99.7	29.6	8.0	4.1	2.2	1.0	.5			18.4	591
21-23	100.0	43.9	12.2	4.1	2.7	1.4	1.4			21.0	148
ALL HOURS	99.9	49.7	19.9	7.6	3.2	1.8	1.1	.4	.2	22.6	4500

MONTH: JUN

00-02										.0	0
03-05	99.5	78.9	38.4	16.3	5.3	1.4				28.5	435
06-08	99.7	72.0	33.5	13.2	4.1	.8	.3	.1		26.9	737
09-11	99.6	44.0	15.3	4.6	1.2					20.8	900
12-14	99.7	30.9	6.2	1.1						17.5	900
15-17	99.2	20.4	1.9	.4						15.7	798
18-20	99.2	27.0	4.0	1.3	.6	.2				17.0	627
21-23	99.4	42.0	12.4	2.4	1.8	.6	.6			20.2	169
ALL HOURS	99.5	42.7	14.7	5.1	1.6	.3	.1	.0		20.4	4566

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05	100.0	96.9	84.7	66.7	41.1	22.3	9.6	2.1	.5	47.1	426
06-08	100.0	95.2	83.2	62.2	37.2	19.1	6.5	1.0		45.1	728
09-11	99.8	87.2	66.0	36.1	16.6	6.0	1.4	.2		35.7	906
12-14	99.6	78.3	45.4	17.5	5.5	1.3	.1			29.2	908
15-17	99.6	70.4	32.4	10.4	2.5	.4	.1			26.0	814
18-20	100.0	73.6	38.6	16.7	5.5	2.2	.9	.2		28.2	651
21-23	100.0	84.1	54.3	26.2	14.6	3.7	.6			32.8	164
ALL HOURS	99.8	82.6	56.1	31.8	15.8	7.0	2.4	.4	.0	34.1	4597

MONTH: AUG

00-02										.0	0
03-05	100.0	99.8	95.0	85.0	56.5	30.7	16.7	7.4	2.0	53.9	460
06-08	100.0	99.9	95.2	79.4	55.6	28.7	13.5	5.2	1.9	52.5	771
09-11	100.0	96.3	79.9	48.5	22.8	9.4	3.8	1.5	.4	40.7	930
12-14	100.0	89.6	57.5	22.6	8.3	2.5	1.6	.6	.3	32.9	930
15-17	100.0	82.2	41.0	14.9	4.1	2.0	1.2	.5	.4	29.1	839
18-20	100.0	88.1	49.9	22.1	10.2	4.1	2.0	1.1	.5	32.1	657
21-23	100.0	95.0	68.6	35.8	18.2	9.4	3.1	1.3	1.3	38.1	159
ALL HOURS	100.0	92.2	68.1	42.0	23.3	11.2	5.5	2.3	.8	39.1	4746

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05	100.0	98.8	90.2	70.2	51.0	32.1	17.6	6.0	1.9	51.4	420
06-08	100.0	98.5	90.2	71.4	49.6	31.7	17.2	5.6	1.8	51.1	716
09-11	100.0	92.5	70.3	42.7	23.1	10.4	3.4	1.0	.5	38.7	879
12-14	100.0	80.5	47.7	20.1	7.8	2.8	1.6	.7	.3	30.5	879
15-17	100.0	69.5	34.6	13.4	6.3	3.2	1.5	.3		27.2	783
18-20	100.0	77.3	44.4	22.2	12.0	6.9	3.2	1.0		31.3	590
21-23	100.0	94.4	63.6	32.9	15.4	9.1	2.8	.7		36.2	143
ALL HOURS	100.0	85.6	60.9	37.2	22.3	12.6	6.3	2.0	.6	37.2	4410

MONTH: OCT

00-02										.0	0
03-05	99.8	98.8	89.4	67.8	50.9	36.9	21.6	8.2	3.3	52.0	426
06-08	100.0	99.5	91.7	70.5	53.2	34.7	21.9	10.4	2.7	52.7	743
09-11	99.7	91.9	66.2	44.1	27.4	14.7	7.5	2.6	.4	40.0	909
12-14	99.4	73.9	47.4	24.4	10.7	5.2	2.3	.9	.3	31.1	909
15-17	98.5	66.3	38.9	15.8	6.8	3.1	2.3	1.1	.1	27.8	810
18-20	99.6	84.1	57.0	32.4	15.6	9.2	5.1	1.1	.4	34.9	565
21-23	100.0	96.4	69.9	53.0	30.1	13.3	6.0	3.6		41.2	83
ALL HOURS	99.5	84.6	62.8	40.3	25.3	15.4	8.9	3.6	1.0	38.6	4445

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05	100.0	98.0	87.5	73.7	49.1	34.8	21.7	10.7	2.6	52.1	391
06-08	100.0	98.3	90.3	76.9	55.2	37.9	23.7	11.8	4.2	54.3	688
09-11	100.0	92.0	72.5	49.2	31.6	20.2	11.2	4.7	1.3	42.6	850
12-14	99.9	76.6	43.6	25.0	17.2	8.2	4.1	2.3	1.1	32.1	855
15-17	100.0	69.7	33.1	19.4	12.8	5.2	3.0	1.3	.4	28.8	756
18-20	100.0	87.0	60.6	33.3	18.9	12.0	5.7	2.2	1.2	36.4	507
21-23	100.0	90.9	75.0	54.5	36.4	22.7	11.4	4.5	4.5	44.0	44
ALL HOURS	100.0	85.7	62.1	43.7	29.3	18.3	10.6	5.0	1.7	40.0	4091

MONTH: DEC

00-02										.0	0
03-05	100.0	98.5	96.3	88.3	77.3	60.7	38.0	16.9	4.0	62.4	326
06-08	100.0	99.2	95.7	88.9	79.8	64.9	41.5	20.4	5.2	64.2	658
09-11	100.0	97.3	88.2	78.1	63.9	44.4	24.2	9.7	2.1	55.4	864
12-14	99.8	87.7	73.5	52.9	31.6	16.1	6.6	2.7	1.2	41.6	865
15-17	99.7	85.2	65.4	42.7	22.7	13.0	6.3	2.1	.9	38.1	745
18-20	100.0	93.8	81.2	63.5	45.2	27.7	11.4	4.2	.5	47.3	405
21-23	100.0	100.0	76.2	64.3	45.2	33.3	11.9	2.4		48.1	42
ALL HOURS	99.9	93.0	81.7	66.8	50.5	35.1	19.5	8.5	2.2	50.2	3905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05	99.9	95.8	81.1	63.3	45.4	31.1	19.4	8.7	2.3	49.2	4971
06-08	100.0	95.3	81.4	64.2	47.0	32.1	19.9	9.2	2.4	49.6	8683
09-11	99.9	84.2	62.9	42.8	27.5	16.6	8.4	3.3	.9	39.1	10697
12-14	99.9	70.5	42.7	23.2	12.1	5.9	2.6	1.1	.4	30.1	10704
15-17	99.7	61.2	32.9	16.6	8.6	4.5	2.4	.9	.3	27.0	9504
18-20	99.9	70.4	43.9	25.2	14.7	8.5	4.1	1.5	.4	31.2	6832
21-23	99.9	78.1	49.9	29.6	17.2	9.8	4.6	1.4	.4	33.5	1336
ALL HOURS	99.9	78.2	55.4	37.0	24.0	14.9	8.4	3.6	1.0	36.6	52727

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PPPPPPPP	AAAAAAAA	RRRRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	FFFFF
PP	AAAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0500	MEAN	1017.9	1015.8	1013.2	1011.3	1009.4	1008.4	1010.3	1010.4	1010.3	1012.8	1015.4	1016.8	1012.5
	SD	4.617	4.487	4.406	3.434	2.761	2.298	2.302	2.346	2.824	3.217	4.204	4.916	4.642
	TOT OBS	203	192	225	215	212	218	213	230	210	214	196	166	2494
0800	MEAN	1019.3	1017.4	1014.9	1013.0	1010.8	1009.8	1011.7	1011.8	1011.6	1014.4	1016.8	1018.6	1014.1
	SD	4.642	4.371	4.396	3.608	2.792	2.260	2.197	2.226	2.832	3.238	4.041	4.931	4.706
	TOT OBS	296	276	309	300	303	300	301	310	293	303	282	275	3548
1100	MEAN	1020.2	1018.1	1015.3	1013.1	1010.6	1009.6	1011.5	1011.8	1011.7	1014.4	1017.0	1019.4	1014.3
	SD	4.548	4.298	4.339	3.554	2.800	2.250	2.181	2.262	2.762	3.263	3.955	4.917	4.925
	TOT OBS	299	276	309	300	302	300	302	310	293	303	284	289	3567
1400	MEAN	1017.3	1015.6	1013.2	1011.0	1008.7	1007.7	1009.4	1009.6	1009.5	1012.0	1014.5	1016.7	1012.0
	SD	4.419	4.170	4.144	3.567	2.805	2.211	2.209	2.293	2.787	3.272	3.805	4.603	4.664
	TOT OBS	298	276	310	300	302	300	302	310	293	303	285	287	3566
1700	MEAN	1016.6	1014.5	1011.9	1009.1	1007.0	1005.7	1007.2	1007.6	1008.0	1011.1	1014.0	1016.2	1010.6
	SD	4.310	4.345	4.224	3.373	2.920	2.181	2.306	2.438	2.952	3.293	3.982	4.335	5.000
	TOT OBS	221	214	251	231	223	229	239	248	227	235	218	206	2742
2000	MEAN	1016.9	1015.4	1012.3	1009.5	1007.3	1005.8	1007.7	1008.4	1008.9	1011.5	1015.4	1017.3	1010.6
	SD	4.550	4.380	4.228	3.363	2.867	2.174	2.521	2.565	2.980	3.269	3.649	4.679	4.996
	TOT OBS	116	127	159	151	163	189	190	183	165	141	114	93	1791
2300	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	1018.3	1016.3	1013.7	1011.4	1009.2	1008.0	1009.8	1010.1	1010.2	1012.9	1015.6	1017.7	1012.6
	SD	4.711	4.513	4.474	3.808	3.165	2.736	2.830	2.812	3.165	3.527	4.132	4.904	5.024
	TOT OBS	1433	1361	1563	1497	1505	1536	1547	1591	1481	1499	1379	1316	17708

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0500	MEAN	30.08	30.02	29.95	29.91	29.87	29.85	29.91	29.91	29.90	29.96	30.02	30.05	29.95
	SD	.133	.129	.128	.099	.077	.066	.066	.066	.082	.093	.120	.144	.125
	TOT OBS	203	192	225	215	212	218	213	230	210	214	196	166	2494
0800	MEAN	30.12	30.07	30.00	29.96	29.91	29.89	29.95	29.95	29.94	30.00	30.05	30.10	29.99
	SD	.133	.126	.128	.103	.080	.065	.063	.062	.082	.094	.115	.142	.125
	TOT OBS	296	276	309	300	303	300	301	310	293	303	282	276	3549
1100	MEAN	30.15	30.09	30.02	29.96	29.90	29.88	29.94	29.95	29.94	30.01	30.07	30.12	30.00
	SD	.132	.124	.126	.102	.080	.065	.063	.063	.080	.095	.114	.143	.132
	TOT OBS	298	276	309	300	303	300	301	310	293	303	284	289	3566
1400	MEAN	30.06	30.02	29.95	29.90	29.85	29.83	29.88	29.89	29.88	29.94	29.99	30.05	29.93
	SD	.128	.121	.121	.102	.079	.064	.063	.065	.080	.095	.109	.134	.125
	TOT OBS	298	276	310	300	302	300	302	310	293	303	285	287	3566
1700	MEAN	30.04	29.98	29.91	29.85	29.80	29.77	29.82	29.83	29.83	29.91	29.98	30.03	29.89
	SD	.125	.126	.123	.096	.082	.062	.067	.069	.084	.095	.114	.127	.134
	TOT OBS	221	214	251	231	223	229	239	248	227	235	218	206	2742
2000	MEAN	30.05	30.01	29.93	29.86	29.81	29.77	29.83	29.85	29.85	29.92	30.01	30.06	29.89
	SD	.131	.127	.122	.096	.081	.061	.071	.072	.083	.094	.101	.134	.132
	TOT OBS	116	127	159	150	163	189	190	183	165	141	114	93	1790
2300	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	30.09	30.04	29.97	29.92	29.86	29.84	29.89	29.90	29.89	29.96	30.02	30.07	29.95
	SD	.136	.130	.130	.109	.090	.079	.082	.080	.091	.102	.118	.142	.135
	TOT OBS	1432	1361	1563	1496	1506	1536	1546	1591	1481	1499	1379	1317	17707

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0500	MEAN	28.60	28.55	28.48	28.44	28.40	28.38	28.44	28.44	28.43	28.49	28.54	28.57	28.47
	SD	.128	.124	.123	.095	.075	.064	.064	.065	.080	.088	.115	.138	.120
	TOT OBS	204	191	225	215	212	218	213	230	211	213	196	166	2494
0800	MEAN	28.63	28.59	28.52	28.48	28.44	28.42	28.48	28.48	28.47	28.53	28.58	28.62	28.52
	SD	.128	.121	.123	.098	.078	.063	.060	.060	.079	.090	.113	.135	.120
	TOT OBS	294	277	311	299	302	302	298	311	294	300	284	278	3550
1100	MEAN	28.66	28.61	28.54	28.49	28.43	28.41	28.47	28.48	28.47	28.53	28.59	28.64	28.53
	SD	.127	.119	.121	.098	.077	.064	.060	.060	.076	.091	.109	.137	.126
	TOT OBS	297	276	309	300	303	300	301	310	293	303	284	290	3566
1400	MEAN	28.58	28.54	28.48	28.43	28.38	28.36	28.41	28.42	28.41	28.46	28.52	28.57	28.46
	SD	.123	.116	.116	.098	.077	.062	.062	.064	.078	.091	.105	.129	.120
	TOT OBS	298	276	310	300	302	300	302	310	293	303	285	287	3566
1700	MEAN	28.56	28.51	28.44	28.38	28.33	28.30	28.35	28.36	28.36	28.44	28.50	28.55	28.42
	SD	.120	.121	.118	.092	.079	.058	.065	.066	.081	.091	.110	.122	.128
	TOT OBS	221	214	251	231	223	229	239	248	227	235	218	206	2742
2000	MEAN	28.57	28.53	28.45	28.39	28.34	28.31	28.36	28.38	28.39	28.45	28.54	28.58	28.42
	SD	.126	.121	.117	.093	.077	.057	.069	.070	.081	.091	.097	.129	.126
	TOT OBS	116	127	159	150	163	189	190	183	165	141	114	93	1790
2300	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	28.61	28.56	28.49	28.44	28.39	28.37	28.42	28.43	28.42	28.49	28.55	28.59	28.48
	SD	.130	.125	.125	.105	.087	.077	.079	.078	.088	.098	.114	.136	.130
	TOT OBS	1430	1361	1565	1495	1505	1538	1543	1592	1483	1495	1381	1320	17708

FFFFFFFF	AAAAAA	RRRRRRRR	TTTTTTTT	GGGGGG
FFFFFFFF	AAAAAAA	RRRRRRRR	TTTTTTTT	GGGGGGG
FP FP	AA AA	RR RR	TT	GG GG
FP FP	AA AA	RR RR	TT	GG
FFFFFFFF	AA AA	RRRRRRRR	TT	GG
FFFFFFFF	AAAAAAAA	RRRRRRRR	TT	GG GGG
FP	AAAAAAAA	RR RR	TT	GG GGGG
FP	AA AA	RR RR	TT	GG GG
FP	AA AA	RR RR	TT	GGGGGG
FP	AA AA	RR RR	TT	GGGGG

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0				406	.6	.1		719	1.0	.3		895
CATEGORY B				0	1.2	.7	.2	413	.8	.7	.3	750	1.3	1.1		926

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.2	.7		896	.9	.6		781	.4	.4		521				37
CATEGORY B	2.8	1.9	.1	926	3.3	2.4	.2	817	1.7	1.7	.9	531				37

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	.9	.4		3812	.8	.4		4255
CATEGORY B	2.0	1.6	.3	3950	1.9	1.5	.3	4400

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0	.3	.3		383	.3	.1		669	.5	.1		828
CATEGORY B				0	1.0	1.0		390	1.0	1.0	.1	702	1.6	.9		853

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.1	.5	.1	828	1.5	1.1		740	.8	.2		515				85
CATEGORY B	4.6	3.1	.5	848	3.7	2.9	.3	764	1.7	1.3	.2	527	1.1	1.1		87

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	.8	.4	.0	3580	.8	.4	.0	4048
CATEGORY B	2.6	1.9	.2	3694	2.4	1.8	.2	4171

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0	.4			447	.1			779	1.2	.3		927
CATEGORY B				0	1.1	.7		456	.6	.5	.1	798	2.6	2.1	.1	945

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	2.2	1.4		929	2.4	1.4	.1	845	1.1	.5		616	1.6			129
CATEGORY B	6.5	4.6	1.1	961	7.6	5.2	.6	877	2.7	1.9	.6	628	4.6	2.3		131

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.4	.8	.0	4096	1.3	.7	.0	4672
CATEGORY B	4.2	3.0	.5	4209	3.9	2.8	.5	4796

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0	.2			430	.1			744	1.3	.3		900
CATEGORY B				0	.5			439	1.2	.5		764	5.5	3.4		911

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	3.1	1.1		900	3.7	2.2		804	2.0	.9		588	.8			133
CATEGORY B	13.1	8.2	.4	916	11.9	8.1	1.2	817	3.4	3.0	.3	596	2.2	1.5		134

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	2.1	.9		3936	1.9	.8		4499
CATEGORY B	7.4	4.8	.4	4004	6.6	4.3	.3	4577

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0	.2	.2		422	.3	.1		732	.6	.1		909
CATEGORY B				0	.5	.5		423	.8	.3		733	3.4	2.2	.2	911

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.3	.8		908	3.3	1.6		790	2.4	1.4		591				148
CATEGORY B	12.0	8.4	.4	912	16.2	11.2	1.2	811	4.5	3.3	.3	599				149

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.5	.8		3930	1.3	.7		4500
CATEGORY B	7.7	5.3	.5	3966	6.7	4.7	.4	4538

G - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (BOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0	.5	.5		435	.3	.1		737	.2	.1		900
CATEGORY B				0	.9	.5		439	.3	.3		743	2.2	1.2		906

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	.7	.3		900	1.1	.6		798	3.2	1.6	.2	627				169
CATEGORY B	6.8	4.0		900	7.8	5.8	.1	800	6.4	4.7	.8	644	1.1	1.1		175

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.0	.5	.0	3962	.9	.5	.0	4566
CATEGORY B	4.7	3.1	.2	3993	4.2	2.8	.1	4607

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0				426	.1	.1		728				906
CATEGORY B				0	.5	.2		436	.5	.4		738	.2	.1		912

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	.1	.1		908	1.4	.7		814	3.4	2.6	.2	651	4.3	3.7	.6	164
CATEGORY B	2.6	1.5	.1	930	6.1	4.5	1.3	850	7.4	6.0	2.6	719	6.0	6.0	1.6	184

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	.9	.6	.0	4007	.9	.7	.0	4597
CATEGORY B	3.3	2.4	.7	4149	3.1	2.3	.7	4769

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (BOUILIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0				460	.1			771	.2			930
CATEGORY B				0	.2			467	.3			790	.5	.2		939

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	.4	.2		930	1.7	.8	.2	839	2.6	2.1	.2	657	1.9	1.3		159
CATEGORY B	1.8	1.0	.1	957	4.9	4.1	1.2	894	8.2	6.7	1.5	735	4.4	2.8		180

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	.9	.6	.1	4127	.9	.5	.1	4746
CATEGORY B	3.0	2.3	.5	4315	2.8	2.1	.5	4962

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0	.2	.2		420	.1			716	.9	.6		879
CATEGORY B				0	.2	.2		423	.5	.3		728	2.7	1.4		887

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.5	.7		879	1.9	.6		783	1.2	.7		590				143
CATEGORY B	6.4	4.2		889	6.3	4.2	.1	806	4.3	3.1	.3	606	1.4	1.4		147

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.1	.5		3847	1.0	.5		4410
CATEGORY B	4.1	2.7	.1	3916	3.7	2.4	.1	4486

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0				426				743	1.2	.6		909
CATEGORY B				0				433				759	2.6	1.8		925

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.2	.4		909	1.1	.7		810	.5	.2		566	1.2			83
CATEGORY B	5.7	4.3	.3	928	4.3	3.3	.6	838	1.6	1.2		576	1.2	1.2		84

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	.9	.4		3937	.8	.4		4446
CATEGORY B	3.0	2.3	.2	4026	2.7	2.0	.2	4543

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0	.5	.3		391				688	1.1	.7		850
CATEGORY B				0	.5	.3	.3	395	.4	.3		703	2.1	2.0	.1	865

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.3	.8		855	1.9	1.1		756	1.4	.8		507	2.3			44
CATEGORY B	3.8	2.4		868	3.8	2.7	.7	769	2.1	1.6	.2	513	4.5	2.3		44

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.1	.7		3656	1.1	.6		4091
CATEGORY B	2.5	1.9	.2	3718	2.4	1.7	.2	4157

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0				326	.5	.2		658	.2	.2		864
CATEGORY B				0	.6	.3		328	.9	.6		675	1.0	.7	.2	890

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	.7	.6		865	.7	.7		745	.2	.2		405				42
CATEGORY B	2.9	1.7		874	1.3	1.2		759	.5	.2		414				43

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	.5	.4		3537	.4	.4		3905
CATEGORY B	1.4	1.0	.1	3612	1.4	.9	.1	3983

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A				0	.2	.1		4972	.2	.1		8684	.7	.3		10697
CATEGORY B				0	.6	.4	.0	5042	.6	.4	.0	8883	2.2	1.4	.1	10870

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.2	.6	.0	10707	1.8	1.0	.0	9505	1.7	1.0	.0	6834	1.1	.6	.1	1336
CATEGORY B	5.7	3.8	.3	10909	6.5	4.7	.6	9802	4.0	3.1	.7	7088	2.6	2.0	.2	1395

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE13	GE15	GE25	OBS	GE13	GE15	GE25	OBS
CATEGORY A	1.1	.6	.0	46427	1.0	.5	.0	52735
CATEGORY B	3.9	2.7	.3	47552	3.5	2.5	.3	53989

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPPPP	AAAAAAAA	RRRRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPPPP	AA AA	RRRRRRRRRR	TT	HHHHHHHHHH	HHHHHHHHHH
PPPPPPPPPP	AAAAAAAAAA	RRRRRRRRRR	TT	HHHHHHHHHH	HHHHHHHHHH
PP	AAAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

B - 1 - 1

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 722786

STATION NAME: WILLIAMS AFB/CHANDLER AZ
LST TO UTC: + 7

PERIOD OF RECORD: JAN 43 - MAR 91

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN

MEAN

SD

****SPL 30YR SUMMATION (1951 -1980)****

MEAN

SD

H - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 75

STATION NUMBER: 722786 STATION NAME: WILLIAMS AFB/CHANDLER AZ PERIOD OF RECORD: JAN 43 - MAR 91
LST TO UTC: + 7

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN

MEAN |
SD |

****SPL 30YR SUMMATION (1951 -1980)****

MEAN |
SD |

A W S CLIMATIC BRIEF DEC 91	STATION NAME: WILLIAMS AFB AZ												FIELD ELEV: 1383 FT															
	LATITUDE/LONGITUDE: 33 19 N 111 39 W												STATION MSC: 722786															
	BOURLY OBS POR: APR 81 - MAR 91												CALL SIGN: KIWA															
	SUMMARY OF DAY POR: MAR 42-MAR 91												SUPERSEDES: DEC 87															
HOURS SUMMARIZED: 0400 - 2100 LST																												
LST TO UTC: +07																												
MONTH															JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)															84	93	93	101	110	120	116	114	113	103	92	84	120	50
MEAN MAX TEMP (F)															64	68	72	81	90	100	102	100	96	86	73	65	83	50
MEAN TEMP (F)															52	56	60	68	77	86	91	89	84	73	60	53	71	50
MEAN MIN TEMP (F)															39	43	47	55	63	72	80	78	72	60	47	40	58	50
EXTRM MIN TEMP (F)															17	24	24	34	37	53	64	59	50	34	22	21	17	50
D/W TEMP GE 100 (F)															0	0	0	#	3	16	22	17	9	1	0	0	68	50
D/W TEMP GE 90 (F)															0	#	1	6	19	28	30	30	26	11	1	0	152	50
D/W TEMP LT 40 (F)															16	9	4	1	#	0	0	0	0	1	5	15	51	50
D/W TEMP LT 33 (F)															5	2	1	0	0	0	0	0	0	0	1	4	13	50
HEATING DEGREE DAYS															0	0	0	0	0	0	0	0	0	0	0	0	0	49
@COOLING DEGREE DAYS															0	0	0	0	0	0	0	0	0	0	0	0	0	49
MEAN DEWPOINT TEMP (F)															33	33	33	34	36	42	57	59	53	45	35	34	41	10
MEAN WET BULB TEMP (F)															44	46	48	53	57	62	70	70	65	58	49	45	56	10
99.95% WCPA (FT)															1600	1650	1700	1700	1700	1700	1650	1650	1650	1650	1600	1650	1750	10
MEAN REL HUM 07 LST(%)															66.7	60.0	54.8	38.9	31.3	26.9	45.1	52.5	51.1	52.7	54.3	64.2	49.6	10
MEAN REL HUM 13 LST(%)															41.2	35.8	30.8	21.7	18.3	17.5	29.2	32.9	30.5	31.1	32.1	41.6	30.1	10
MAX 24HR PRECIP (IN)															1.14	1.88	1.28	1.18	.65	.53	1.75	2.64	1.76	2.24	1.39	2.36	2.64	49
MAX PRECIP (IN)															3.01	3.16	3.52	1.89	.72	.67	2.87	5.05	3.73	3.78	3.26	4.34	17.59	49
MEAN PRECIP (IN)															.82	.79	.91	.36	.11	.09	.74	1.21	.92	.67	.60	.73	7.56	49
MIN PRECIP (IN)															.00	.00	.00	.00	.00	.00	.03	#	.00	.00	.00	.00	2.78	49
D/W PRECIP GE .01 (IN)															4	4	4	2	1	1	5	5	3	3	3	4	39	49
D/W PRECIP GT .50 (IN)															1	1	1	1	#	#	1	1	1	1	1	1	10	49
MAX 24HR SNFL (IN)															0	0	.2	0	0	0	0	0	0	0	0	#	.2	43
MAX SNFL (IN)															0	0	.2	0	0	0	0	0	0	0	0	#	.2	43
MEAN SNFL (IN)															0	0	0	0	0	0	0	0	0	0	0	#	0	43
D/W SNFL GE .1 (IN)															0	0	#	0	0	0	0	0	0	0	0	0	#	43
D/W SNFL GE 1.5 (IN)															0	0	0	0	0	0	0	0	0	0	0	0	0	43
MAX DLY SNO DEPTH (IN)															0	0	0	0	0	0	0	0	0	0	0	0	0	43
PRVING WND DIR (DEG)															\$11-13	\$11-13	11-13	11-13	11-13	26-28	26-28	11-13	11-13	\$11-13	\$08-10	\$08-10	\$11-13	10
MEAN WND SPD (KTS)															3	4	4	5	5	5	5	5	5	3	3	3	4	10
MAX WND SPD (KTS)															44	46	46	43	59	74	70	71	64	46	50	51	74	45
SKY COVER GT 5/10 (%)															35.9	42.5	37.7	30.9	21.7	16.1	32.3	29.8	23.4	25.6	27.8	36.0	29.8	10
D/W THUNDERSTORMS															1	1	1	1	1	1	6	5	3	1	1	1	23	49
D/W FOG (VSBY LT 7 MI)															2	1	1	1	0	0	#	1	1	1	1	1	10	49
LEGEND: ANN = ANNUAL															POR/YOR = PERIOD/YEARS OF RECORD													
D/W = MEAN NUMBER OF DAYS WITH															WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE													
& = BASED ON LESS THAN FULL MONTHS															# = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE													
** = INSTANTANEOUS PEAK WINDS															\$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN													
* = DATA NOT AVAILABLE															WIND DIRECTION													

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY															
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR		
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST																
	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	
	03 - 05	2.2	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.8	.5	10		
	06 - 08	3.2	1.6	.4	.0	.0	.0	.1	.1	.3	.3	.6	1.8	.7	10		
	09 - 11	3.0	1.4	.8	.2	.0	.0	.0	.3	.2	.0	.4	3.1	.8	10		
	12 - 14	1.9	.8	1.3	.0	.0	.0	.1	.3	.2	.3	.4	2.0	.6	10		
	15 - 17	1.3	.1	.6	.1	.3	.0	.4	.6	.0	.7	.4	1.2	.5	10		
	18 - 20	.6	.2	.2	.2	.2	.5	1.1	1.1	.0	.0	.4	.0	.4	10		
	21 - 23	.0	.0	.0	.0	.0	.0	.6	1.3	.0	.0	2.3	.0	.3	10		
	ALL	2.1	.9	.6	.1	.1	.1	.3	.4	.1	.2	.4	1.8	.6	10		
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	
	03 - 05	1.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	10		
	06 - 08	2.5	.3	.1	.0	.0	.0	.1	.1	.3	.3	.1	1.1	.4	10		
	09 - 11	1.9	.4	.2	.1	.0	.0	.0	.3	.2	.0	.2	1.9	.4	10		
	12 - 14	1.0	.1	.0	.0	.0	.0	.1	.2	.2	.3	.0	.8	.2	10		
	15 - 17	.8	.1	.1	.1	.3	.0	.4	.6	.0	.6	.4	.8	.3	10		
	18 - 20	.2	.2	.0	.2	.2	.5	1.1	1.1	.0	.0	.2	.0	.3	10		
	21 - 23	.0	.0	.0	.0	.0	.0	.6	1.3	.0	.0	.0	.0	.2	10		
	ALL	1.3	.2	.1	.1	.1	.1	.3	.4	.1	.2	.2	1.0	.3	10		
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	
	03 - 05	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	10		
	06 - 08	1.9	.1	.0	.0	.0	.0	.0	.1	.3	.1	.1	.5	.3	10		
	09 - 11	1.2	.4	.1	.0	.0	.0	.0	.2	.2	.0	.1	1.2	.3	10		
	12 - 14	.8	.1	.0	.0	.0	.0	.1	.0	.0	.1	.0	.6	.1	10		
	15 - 17	.4	.1	.0	.0	.1	.0	.1	.6	.0	.0	.1	.7	.2	10		
	18 - 20	.2	.0	.0	.0	.2	.5	.8	.9	.0	.0	.0	.0	.2	10		
	21 - 23	.0	.0	.0	.0	.0	.0	.6	1.3	.0	.0	.0	.0	.2	10		
	ALL	1.0	.1	.0	.0	.0	.1	.2	.3	.1	.0	.1	.6	.2	10		
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	
	03 - 05	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	10		
	06 - 08	.6	.0	.0	.0	.0	.0	.0	.0	.3	.0	.1	.2	.1	10		
	09 - 11	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	10		
	12 - 14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10		
	15 - 17	.0	.0	.0	.0	.1	.0	.1	.2	.0	.0	.0	.0	.0	10		
	18 - 20	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	10		
	21 - 23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10		
	ALL	.3	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	.1	10		

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : @@ COOLING DEGREE DAYS CALCULATED USING 75 DEGREES FAHRENHEIT AS BASE TEMPERATURE.

DISTRIBUTION

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