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SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

TUCSON IAP, AZ

Prepared by

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

MAY 1991



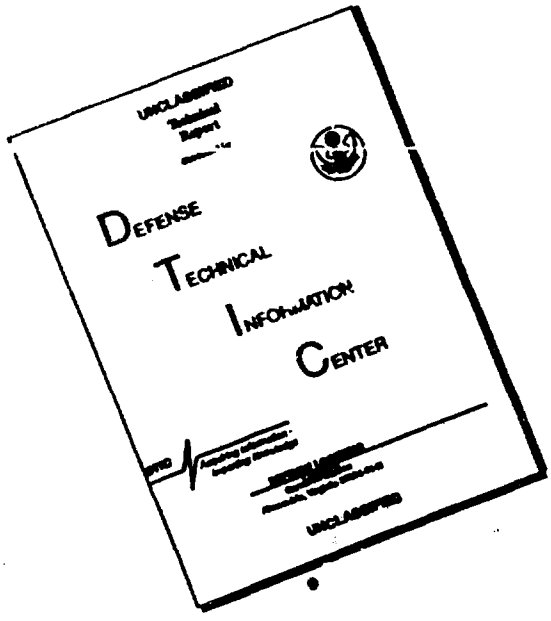
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12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.

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, TUCSON IAP, ARIZONA, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.

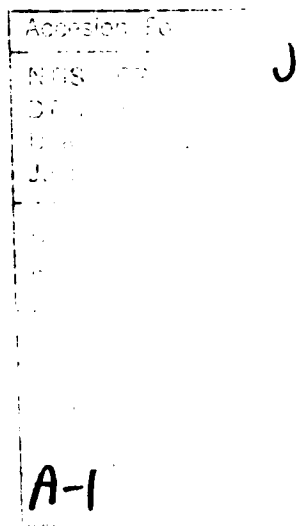
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PREFACE

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 "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1948. 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.

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

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: DEC 80 - NOV 90 (AIRWAYS).

SUMMARY OF DAY DATA: JUN 46 - NOV 90 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 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 NMBR
722740	TUCSON IAP, ARIZONA	N32 07	W110 56	2630 MSL	TUS	72274

STATION LOCATION AND INSTRUMENTATION HISTORY

Nmbr 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.	Davis-Monthan Field, Az	AAF	Jun 40	Oct 48	N32 11	W110 55	2565	2616	24
2.	Tucson MAP, Az	WB	Oct 48	Dec 49	N32 07	W110 57	same	2559	same
3.	same	same	Dec 49	Nov 52	N32 08	same	2595	same	same
4.	same	same	Nov 52	Oct 58	same	same	2630	same	same
5.	same	same	Oct 58	Dec 60	same	W110 56	same	2588	same
6.	same	same	Dec 60	Mar 63	N32 07	same	same	same	same
7.	Tucson IAP, Az	same	Mar 63	Dec 70	same	same	same	same	same
8.	same	WSO	Dec 70	Jun 80	same	same	same	same	same
9.	same	same	Jun 80	Apr 91	same	same	same	2581	same

Nmbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Jan 46	Located on the roof	3-cup anemometers	N/A	27 ft.	
2.	Oct 48	same	same	same	36 ft.	
3.	Dec 53	same	same	same	32 ft.	
4.	Oct 58	Mounted on the ground	F420C	same	23 ft.	
5.	Dec 67	same	same	same	20 ft.	
6.	Nov 69	same	same	F312	same	
7.	Mar 83	same	F420R	same	same	
8.	Apr 91	same	same	same	same	

```
PPPPPPPP        AAAAAA      RRRRRRRR       TTTTTTTTTT          AAAAAA
PPPPPPPPP      AAAAAAAA     RRRRRRRRR      TTTTTTTTTT         AAAAAAAA
PP      PP     AA    AA     RR     RR         TT             AA      AA
PP      PP     AA    AA     RR     RR         TT             AA      AA
PPPPPPPPP      AA    AA     RRRRRRRRR         TT             AA      AA
PPPPPPPP       AAAAAAAAAA   RRRRRRRR          TT             AAAAAAAAAA
PP             AAAAAAAAAA   RR    RR          TT             AAAAAAAAAA
PP             AA    AA     RR     RR         TT             AA      AA
PP             AA    AA     RR      RR        TT             AA      AA
PP             AA    AA     RR       RR       TT             AA      AA
```

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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		3.3		.1		3.5	1.1				4.6	897
03-05		2.9		.6		3.4	1.4				4.8	909
06-08	.1	2.9		.4		3.3	1.8				5.1	908
09-11	.1	3.2				3.2	1.1	.2			4.6	898
12-14		3.1		.3		3.4					3.4	900
15-17	.2	3.6		.2		3.9	.2				4.1	909
18-20	.1	5.7		.4		6.1	1.1				7.3	896
21-23		4.4		.2		4.6	.3				4.9	911
ALL HOURS	.1	3.6		.3		3.9	.9	.0			4.8	7228

MONTH: FEB

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		3.8		.5		4.3	.4				4.6	823
03-05		3.5				3.5	1.0				4.5	828
06-08		2.2		.2		2.4	1.3				3.8	822
09-11		2.9		.6		3.5	.5			.1	4.1	827
12-14	.1	3.4				3.4	.2				3.7	813
15-17	.1	4.8		.1		5.0				.4	5.3	827
18-20		3.8		.2		4.0	.5			.1	4.7	816
21-23		3.7		.6		4.3	.8			.1	5.3	834
ALL HOURS	.0	3.5		.3		3.8	.6			.1	4.5	6590

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR

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	.1	2.5				2.5					2.5	909
03-05	.2	3.0				3.0	.1				3.1	908
06-08	.1	2.4				2.4	.2				2.6	907
09-11		3.1				3.1		.1			3.2	906
12-14	.2	2.3				2.3					2.3	896
15-17	.3	4.4			.2	4.6				.1	4.8	905
18-20	.1	3.1				3.1	.2			.1	3.4	912
21-23	.1	1.9				1.9	.2				2.1	913
ALL HOURS	.2	2.8			.0	2.9	.1	.0		.0	3.0	7256

MONTH: APR

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	.3	2.0				2.0					2.0	880
03-05		1.7				1.7					1.7	893
06-08		1.0				1.0					1.0	875
09-11		.9				.9				.1	1.0	881
12-14	.1	1.4				1.4					1.4	870
15-17	.6	1.7				1.7	.2				1.9	878
18-20	.7	2.0				2.0					2.0	864
21-23		2.1				2.1	.1				2.3	884
ALL HOURS	.2	1.6				1.6	.0			.0	1.7	7025

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	.1	.3				.3					.3	903
03-05	.3	.5				.5					.5	911
06-08	.8	.4				.4					.4	896
09-11	.2	.1				.1					.1	907
12-14	.8	.9				.9					.9	904
15-17	2.4	1.9				1.9					1.9	905
18-20	1.8	1.3				1.3				.1	1.4	899
21-23	.9	1.1				1.1					1.1	916
ALL HOURS	.9	.8				.8				.0	.8	7241

MONTH: JUN

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	.2	.3				.3					.3	859
03-05		.3				.3					.3	880
06-08		.3				.3					.3	863
09-11	.1							.1			.1	882
12-14	1.0	.2				.2					.2	876
15-17	2.6	1.3				1.3					1.3	872
18-20	2.5	1.4				1.4				.1	1.5	865
21-23	.7	.9				.9				.1	1.0	876
ALL HOURS	.9	.6				.6		.0		.0	.6	6973

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO [illegible] + 7 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	3.3	7.0				7.0					7.0	896
03-05	1.1	2.2				2.2		.1			2.3	897
06-08	1.0	2.5				2.5					2.5	891
09-11	.3	1.6				1.6		.1			1.7	890
12-14	2.1	2.1				2.1	.1				2.2	897
15-17	10.2	6.8				6.8					6.8	906
18-20	12.7	9.7				9.7				.3	10.1	883
21-23	9.4	10.9				10.9	.1			.1	11.1	903
ALL HOURS	5.0	5.4				5.4	.0	.0		.1	5.5	7163

MONTH: AUG

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	4.3	6.0				6.0					6.0	890
03-05	1.9	4.0				4.0	.2				4.2	899
06-08	.8	3.3				3.3					3.3	902
09-11	.3	1.3				1.3					1.3	900
12-14	2.6	1.6				1.6					1.6	891
15-17	11.8	8.0				8.0					8.0	905
18-20	13.3	10.5				10.5	.3				10.9	903
21-23	7.0	8.3				8.3					8.3	913
ALL HOURS	5.3	5.4				5.4	.1				5.5	7203

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP

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	1.0	2.3				2.3					2.3	872
03-05	.6	1.4				1.4	.2				1.6	882
06-08	.9	1.3				1.3	.1				1.4	875
09-11	.5	1.5				1.5	.2				1.7	880
12-14	1.8	2.4				2.4	.6				3.0	873
15-17	5.7	5.3				5.3	.3				5.6	874
18-20	6.5	6.2				6.2	.2				6.4	877
21-23	2.4	3.8				3.8					3.8	884
ALL HOURS	2.4	3.0				3.0	.2				3.2	7017

MONTH: OCT

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	.7	2.4				2.4	.1				2.5	909
03-05	.8	1.9				1.9	.2				2.1	914
06-08	.1	2.5				2.5	.1				2.7	905
09-11	.1	2.3				2.3					2.3	904
12-14	.7	2.8				2.8	.1				2.9	899
15-17	1.9	3.5				3.5	.1				3.6	912
18-20	1.6	2.5				2.5	.3				2.9	903
21-23	.9	2.1				2.1	.1				2.2	912
ALL HOURS	.8	2.5				2.5	.1				2.6	7258

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV

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		2.5				2.5	.7				3.2	870
03-05	.2	1.9				1.9	.7				2.6	881
06-08	.5	2.7				2.7	.9				3.7	875
09-11	.2	2.3				2.3	.3				2.6	877
12-14		3.3				3.3	.2				3.5	860
15-17	.2	3.1				3.1					3.1	877
18-20	.3	1.8				1.8	.1				1.9	873
21-23	.2	2.7				2.7					2.7	876
ALL HOURS	.2	2.5				2.5	.4				2.9	6989

MONTH: DEC

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		2.9		.4		3.3	1.7				5.0	899
03-05	.3	3.8		.3		4.2	2.1				6.3	910
06-08	.1	2.5		.6		3.1	1.4				4.5	904
09-11		2.7		.7		3.3	.8				4.1	902
12-14		3.4		.9		4.3	.4				4.8	902
15-17	.1	5.0		.7		5.7	1.0				6.7	912
18-20	.2	4.3		.4		4.7	1.2				6.0	907
21-23		4.0		.3		4.3	1.1				5.4	905
ALL HOURS	.1	3.6		.5		4.1	1.2				5.3	7241

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	.1	3.6		.3		3.9	.9	.0			4.8	7228
FEB	.0	3.5		.3		3.8	.6			.1	4.5	6590
MAR	.2	2.8			.0	2.9	.1	.0		.0	3.0	7256
APR	.2	1.6				1.6	.0			.0	1.7	7025
MAY	.9	.8				.8				.0	.8	7241
JUN	.9	.6				.6		.0		.0	.6	6973
JUL	5.0	5.4				5.4	.0	.0		.1	5.5	7163
AUG	5.3	5.4				5.4	.1				5.5	7203
SEP	2.4	3.0				3.0	.2				3.2	7017
OCT	.8	2.5				2.5	.1				2.6	7258
NOV	.2	2.5				2.5	.4				2.9	6989
DEC	.1	3.6		.5		4.1	1.2				5.3	7241
ANNUAL	1.4	3.0		.1	.0	3.1	.3	.0		.0	3.4	85184

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
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	1.1	20.7		1.8	.2	21.0	3.7	.1			22.0	1302
FEB	.8	18.0		2.0	.3	18.4	2.0				18.9	1186
MAR	1.3	19.0	.1	1.4	1.1	19.1	.4				19.3	1302
APR	2.6	12.2		.2	.6	12.2	.2				12.2	1260
MAY	4.8	9.1			.3	9.1		.1		.1	9.1	1302
JUN	9.3	12.7			.1	12.7				.6	12.9	1290
JUL	48.2	55.1			1.1	55.2	.2			1.2	55.2	1333
AUG	44.1	48.5			1.2	48.5	.2			.5	48.6	1333
SEP	19.0	27.6			.9	27.6	.5			.2	27.7	1271
OCT	6.1	15.9		.1	.2	15.9	.4				15.9	1350
NOV	1.6	13.7		.2	.1	13.7	1.4	.2		.1	14.3	1319
DEC	1.2	19.5		2.5	.2	19.9	3.8	.2			21.1	1302
ANNUAL	11.9	22.8	.0	.7	.5	22.9	1.1	.0		.2	23.3	15550

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02			.1	.3	.1	.2	3.3	4.3	1.0	.7		
03-05			.2		.3		1.1	1.9	.6	.8	.2	.3
06-08	.1		.1		.8		1.0	.8	.9	.1	.5	.1
09-11	.1				.2	.1	.3	.3	.5	.1	.2	
12-14		.1	.2	.1	.8	1.0	2.1	2.6	1.8	.7		
15-17	.2	.1	.3	.6	2.4	2.6	10.2	11.8	5.7	1.9	.2	.1
18-20	.1		.1	.7	1.8	2.5	12.7	13.3	6.5	1.6	.3	.2
21-23			.1		.9	.7	9.4	7.0	2.4	.9	.2	
ALL HOURS	.1	.0	.2	.2	.9	.9	5.0	5.3	2.4	.8	.2	.1
TOTAL OBS	7228	6590	7256	7025	7241	6973	7163	7203	7017	7258	6989	7241

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	316 - 015	016 - 090	091 - 180	181 - 225	226 - 315	NO OF OBS
TSTMS				50.0	50.0			6
LIQUID PRECIP	3.8		15.6	15.2	28.3	9.8	27.3	315
FREEZING PRECIP								
FROZEN PRECIP	4.5		36.4	18.2	4.5		36.4	22
FOG	8.3		20.8	8.3	26.4	6.9	29.2	72
FOG WITH VIS GE 1/2 MILES	8.3		20.0	10.0	26.7	8.3	26.7	60
TOTAL OBS	264	0	963	555	3933	460	1022	7197

MONTH: FEB HOURS: ALL

TSTMS				50.0			50.0	2
LIQUID PRECIP	.7		16.8	18.5	26.8	13.4	23.8	298
FREEZING PRECIP								
FROZEN PRECIP			38.9	11.1	5.6		44.4	18
FOG			29.3	4.9	29.3	4.9	31.7	41
FOG WITH VIS GE 1/2 MILES			30.0	5.0	30.0	5.0	30.0	40
TOTAL OBS	157	0	983	480	3211	523	1205	6559

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	316 - 015	016 - 090	091 - 180	181 - 225	226 - 315	NO OF OBS
TSTMS			7.1	14.3		14.3	64.3	14
LIQUID PRECIP	1.6		14.5	6.4	20.1	15.3	42.2	249
FREEZING PRECIP								
FROZEN PRECIP								
FOG			42.9	14.3			42.9	7
FOG WITH VIS GE 1/2 MILES			42.9	14.3			42.9	7
TOTAL OBS	163	0	1018	407	2988	694	1963	7233

MONTH: APR HOURS: ALL

PHENOMENA	CALM	VARIABLE	316 - 015	016 - 090	091 - 180	181 - 225	226 - 315	NO OF OBS
TSTMS			9.5		38.1	19.0	33.3	21
LIQUID PRECIP	.7		10.8	5.8	28.8	16.5	37.4	139
FREEZING PRECIP								
FROZEN PRECIP								
FOG			33.3		66.7			3
FOG WITH VIS GE 1/2 MILES			33.3		66.7			3
TOTAL OBS	122	0	860	365	2950	744	1963	7004

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	316 - 015	016 - 090	091 - 180	181 - 225	226 - 315	NO OF OBS
TSTMS	1.2		8.2	12.9	41.2	10.6	25.9	85
LIQUID PRECIP			4.8	19.0	21.4	14.3	40.5	42
FREEZING PRECIP								
FROZEN PRECIP								
FOG								
FOG WITH VIS GE 1/2 MILES								
TOTAL OBS	137	0	756	395	2780	824	2324	/216

MONTH: JUN HOURS: ALL

TSTMS			10.6	18.8	37.6	7.1	25.9	85
LIQUID PRECIP			9.3	7.0	58.1	14.0	11.6	43
FREEZING PRECIP								
FROZEN PRECIP								
FOG								
FOG WITH VIS GE 1/2 MILES								
TOTAL OBS	123	0	849	378	2634	751	2223	6958

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	316 - 015	016 - 090	091 - 180	181 - 225	226 - 315	NO OF OBS
TSTMS	.4		13.3	14.6	35.5	16.3	19.8	459
LIQUID PRECIP	1.9		9.5	11.5	35.5	16.8	24.8	262
FREEZING PRECIP								
FROZEN PRECIP								
FOG				50.0	50.0			2
FOG WITH VIS GE 1/2 MILES				50.0	50.0			2
TOTAL OBS	146	0	976	469	3077	824	1651	7143

MONTH: AUG HOURS: ALL

TSTMS	.8		9.5	17.9	35.5	10.5	25.8	496
LIQUID PRECIP	.4		7.9	16.5	49.2	9.4	16.5	266
FREEZING PRECIP								
FROZEN PRECIP								
FOG	16.7		16.7		50.0		16.7	6
FOG WITH VIS GE 1/2 MILES	20.0		20.0		40.0		20.0	5
TOTAL OBS	115	0	672	638	3618	676	1459	7178

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	316 - 015	016 - 090	091 - 180	181 - 225	226 - 315	NO OF OBS
TSTMS	1.3		7.5	15.4	40.5	10.6	24.7	227
LIQUID PRECIP	1.9		6.3	15.7	38.4	10.1	27.7	159
FREEZING PRECIP								
FROZEN PRECIP								
FOG	12.5		18.8	31.3	18.8		18.8	16
FOG WITH VIS GE 1/2 MILES	12.5		18.8	31.3	18.8		18.8	16
TOTAL OBS	120	0	681	444	3776	695	1278	6994

MONTH: OCT HOURS: ALL

TSTMS			23.0	12.2	28.4	12.2	24.3	74
LIQUID PRECIP	.6		16.1	25.9	29.9	7.5	20.1	174
FREEZING PRECIP								
FROZEN PRECIP								
FOG			33.3	33.3	8.3		25.0	12
FOG WITH VIS GE 1/2 MILES			40.0	30.0			30.0	10
TOTAL OBS	145	0	896	556	3904	574	1151	7226

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	316 - 015	016 - 090	091 - 180	181 - 225	226 - 315	NO OF OBS
TSTMS	11.1		5.6	5.6	11.1	22.2	44.4	18
LIQUID PRECIP			19.3	16.9	28.5	14.5	20.8	207
FREEZING PRECIP								
FROZEN PRECIP								
FOG	10.7		25.0	10.7	25.0	21.4	7.1	28
FOG WITH VIS GE 1/2 MILES	9.1		31.8	9.1	27.3	18.2	4.5	22
TOTAL OBS	146	0	966	495	3673	565	1108	6953

MONTH: DEC HOURS: ALL

TSTMS			11.1		11.1	11.1	66.7	9
LIQUID PRECIP	1.3		11.5	10.9	36.1	13.1	27.2	313
FREEZING PRECIP								
FROZEN PRECIP			34.1	6.8		6.8	52.3	44
FOG	4.1		11.3	15.5	29.9	5.2	34.0	97
FOG WITH VIS GE 1/2 MILES	4.5		12.5	14.8	25.0	5.7	37.5	88
TOTAL OBS	276	0	947	527	4049	429	999	7225

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTHS: ALL

PHENOMENA	CALM	VARIABLE	316 - 015	016 - 090	091 - 180	181 - 225	226 - 315	NO OF OBS
TSTMS	.8		10.9	15.6	35.6	12.4	24.6	1496
LIQUID PRECIP	1.3		12.8	14.2	32.5	12.7	26.4	2467
FREEZING PRECIP								
FROZEN PRECIP	1.2		35.7	10.7	2.4	3.6	46.4	84
FOG	5.6		20.1	13.0	27.1	6.3	27.8	284
FOG WITH VIS GE 1/2 MILES	5.5		21.3	13.0	25.3	6.3	28.5	253
TOTAL OBS	1914	0	10567	5709	40593	7759	18346	84886

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          BBBBBBBBB
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT          BBBBBBBBBB
PP      PP    AA      AA    RR      RR        TT              BB      BB
PP      PP    AA      AA    RR      RR        TT              BB      BB
PPPPPPPPP     AA      AA    RRRRRRRRR       TT                BBBBBBBBB
PPPPPPPP      AAAAAAAAAA    RRRRRRRR        TT                BBBBBBBBB
PP            AAAAAAAAAA    RR    RR        TT              BB      BB
PP            AA      AA    RR     RR       TT              BB      BB
PP            AA      AA    RR      RR      TT              BBBBBBBBB
PP            AA      AA    RR       RR     TT              BBBBBBBBB
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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 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 POR.

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: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	79.0	81.6	80.9	87.9	90.9	87.2	44.6	51.3	72.6	84.1	86.3	80.1	77.1
TRACE	6.1	6.2	5.6	4.9	4.2	6.7	19.2	18.3	11.6	5.6	3.6	5.5	8.2
.01	1.6	1.1	1.7	1.1	1.0	.9	5.3	3.3	1.9	1.1	.9	1.9	1.8
.02-.05	3.6	2.6	3.3	1.7	1.2	1.9	8.9	6.7	3.0	2.2	1.9	2.7	3.3
.06-.10	2.2	2.4	1.9	1.2	1.1	1.2	5.0	4.9	2.3	1.7	1.5	1.6	2.3
.11-.25	3.4	3.3	3.8	1.8	1.1	1.1	7.0	6.2	3.3	1.9	3.3	4.6	3.4
.26-.50	2.8	1.9	1.8	1.2	.5	.7	5.6	4.8	2.4	1.5	1.4	1.7	2.2
.51-1.00	1.2	.8	.8	.2		.2	2.7	3.1	1.8	1.3	1.0	1.6	1.2
1.01-2.50	.1	.3	.1			.1	1.7	1.3	1.0	.6	.2	.2	.5
2.51-5.00							.1		.1	.1			.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	15.0	12.2	13.5	7.2	4.8	6.1	36.2	30.4	15.8	10.4	10.1	14.4	14.8
TOTAL NO. OF OBSERVATIONS	1302	1186	1302	1260	1302	1290	1333	1315	1290	1350	1319	1302	15551

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46						.04	2.44	3.34*	2.26	.82	1.10		10.00*
48										.54*	.06	.93	1.53*
49	1.19	.20	.19	.38	.00	.02	1.42	1.92	.81	.52	.17	.84	7.66
50	.30	1.48	.26	TRACE	.01	1.24	3.72	.86	1.15	TRACE	TRACE	.27	9.29
51	1.12	.13	.12	1.66	.01	TRACE	1.49	2.66	.34	1.91	1.27	.99	11.70
52	.24	.08	2.26	1.51	.02	.30	3.25	1.56	.80	.00	1.90	.73	12.65
53	.06	.96	.60	.06	TRACE	.03	2.87	.46	.00	TRACE	.18	.12	5.34
54	.78	.75	1.01	.00	.47	1.46	2.03	2.00	3.05	.02	.00	.06	11.63
55	1.89	.19	.03	TRACE	.03	.03	5.10	7.93	.05	.32	TRACE	.33	15.90
56	1.08	.54	.00	.31	TRACE	.36	2.77	1.12	.37	.27	TRACE	.22	7.04
57	2.37	.36	.93	.16	.33	.17	1.25	3.92	TRACE	2.62	.56	.89	13.56
58	TRACE	1.15	1.82	.48	.02	.51	5.20	.91	.21	1.21	1.09	.00	12.60
59	.03	.28	TRACE	.01	.00	TRACE	3.92	2.79	TRACE	.70	.29	1.97	9.99
60	2.01	.42	.25	.00	.08	.25	.73	2.09	1.20	.71	.07	.93	8.74
61	.95	.01	.41	TRACE	.00	.26	1.81	4.28	.51	.65	.44	1.57	10.89
62	1.39	.33	.25	TRACE	.00	.25	1.38	.48	2.86	.22	.49	.93	8.58
63	.59	.81	.34	.32	TRACE	TRACE	1.66	2.86	1.45	.60	1.26	.08	9.97
64	.14	.13	.81	.67	.00	.01	4.82	3.90	5.11	.91	.68	.81	17.99
65	.45	.64	.27	.23	TRACE	.01	2.13	1.12	.82	.07	.77	5.02	11.53
66	1.74	2.25	.19	.12	.11	.02	2.57	3.31	3.53	.32	.06	.19	14.41
67	.04	.13	.41	.29	.62	.42	2.72	2.00	1.35	1.03	.48	3.44	12.93
68	.18	.99	1.79	.62	TRACE	.00	1.97	1.12	TRACE	.09	1.86	.32	8.94
69	.74	.50	.34	.60	.46	.00	1.51	2.57	1.31	.03	1.06	.82	9.94
70	TRACE	.34	1.13	.45	.03	.33	2.53	1.43	3.58	1.73	.00	.43	11.98
71	.04	.50	TRACE	.56	.01	TRACE	2.18	3.29	1.75	1.18	.69	1.97	12.17
72	.00	.00	.01	.00	.24	.68	3.49	2.93	1.09	4.51	1.30	.61	14.86
73	.06	1.60	2.20	.02	.09	.50	1.74	.54	TRACE	.00	.47	.00	7.22
74	.93	TRACE	.55	TRACE	.00	.01	4.44	1.04	1.69	2.12	.81	.33	11.92
75	.36	.13	.95	.27	.11	.00	2.38	.32	1.26	TRACE	.34	.52	6.64
76	.06	.53	.38	.57	.23	.10	1.18	.23	1.68	.37	.48	.47	6.28
77	1.83	.04	.74	.43	.08	.06	.76	.80	1.41	2.36	.33	1.33	10.17
78	2.05	1.75	.89	.01	.61	.22	.78	1.59	1.66	1.86	1.58	2.73	15.73
79	2.94	.42	.64	.04	.67	.53	2.04	2.60	.02	.33	.01	.15	10.39
80	.73	2.90	1.22	.08	TRACE	.23	1.78	1.95	2.93	.22	.00	.19	12.23

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	1.29	.71	1.98	.56	.26	.16	6.17	.80	1.10	.06	.61	.00	13.70
82	1.56	.06	1.26	.05	.51	.13	2.13	2.51	2.69	.00	1.30	1.59	13.79
83	1.70	.94	1.28	.14	TRACE	.00	1.98	4.24	4.28	4.98	1.71	.61	21.86
84	.62	.00	.00	.36	.06	1.05	2.92	4.19	1.81	.77	.45	3.30	15.53
85	1.71	1.08	.20	.45	TRACE	.07	3.14	1.97	1.13	2.03	.95	.15	12.88
86	.98	1.13	1.30	TRACE	.44	.06	1.82	3.56	.31	.50	.42	1.28	11.80
87	.59	1.64	.83	.80	.74	.16	.37	2.79	2.30	.34	.44	1.50	12.50
88	.41	.53	.35	1.15	.02	.15	1.69	3.64	.80	2.09	.75	.05	11.63
89	.96	.23	.62	.00	.13	.03	1.42	.90	.02	1.84	.12	.19	6.48
90	.96	.71	.38	.10	.03	.64	5.45	2.70	1.63	.58	.23		13.41*
LEAST	.00	.00	.00	.00	.00	.00	.37	.23	.00	.00	.00	.00	5.34
GREATEST	2.94	2.90	2.26	1.66	.74	1.46	6.17	7.93	5.11	4.98	1.90	5.02	21.86
MEAN	.88	.66	.69	.32	.15	.24	2.49	2.23	1.40	.95	.61	.92	11.49
MEDIAN	.76	.50	.48	.20	.03	.13	2.13	2.00	1.20	.58	.48	.61	11.70
SD	.757	.652	.626	.396	.222	.338	1.368	1.495	1.245	1.140	.545	1.069	3.358
TOTAL OBS	1302	1186	1302	1260	1302	1290	1333	1315	1290	1350	1319	1302	15551

THE GREATEST VALUE OF 7.93 OCCURRED ON 08/55

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: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46						.04	.84	1.30*	.75	.42	.76		1.30*
48										.46*	.06	.28	.46*
49	.41	.09	.18	.24	.00	.02	.40	1.30	.30	.18	.12	.56	1.30
50	.18	1.22	.15	TRACE	.01	.71	1.20	.35	1.13	TRACE	TRACE	.27	1.22
51	.51	.06	.06	.42	.01	TRACE	.25	1.12	.32	1.47	.54	.34	1.47
52	.14	.08	1.19	.74	.02	.29	1.03	.54	.29	.00	1.07	.26	1.19
53	.06	.50	.37	.05	TRACE	.03	.85	.21	.00	TRACE	.16	.12	.85
54	.48	.67	.41	.00	.27	1.27	.76	.62	1.28	.02	.00	.03	1.28
55	.61	.19	.02	TRACE	.02	.03	2.12	2.28	.05	.25	TRACE	.33	2.28
56	.38	.14	.00	.28	TRACE	.34	1.09	.73	.37	.25	TRACE	.19	1.09
57	.69	.09	.36	.12	.17	.09	.41	1.66	TRACE	.92	.31	.49	1.66
58	TRACE	.76	.72	.32	.02	.28	3.93	.21	.13	.99	.81	.00	3.93
59	.03	.28	TRACE	.01	.00	TRACE	1.40	.49	TRACE	.54	.12	.59	1.40
60	1.08	.35	.13	.00	.08	.18	.28	.59	.61	.62	.04	.80	1.08
61	.77	.01	.37	TRACE	.00	.26	.71	2.48	.35	.37	.19	.59	2.48
62	.48	.10	.11	TRACE	.00	.25	.37	.21	2.40	.13	.15	.48	2.40
63	.36	.51	.21	.32	TRACE	TRACE	.45	.68	.77	.46	.64	.08	.77
64	.06	.13	.46	.66	.00	.01	1.16	2.05	2.85	.50	.40	.62	2.85
65	.38	.21	.14	.22	TRACE	.01	.72	.31	.35	.07	.33	.96	.96
66	.49	1.26	.10	.12	.07	.02	1.01	1.38	1.48	.26	.06	.18	1.48
67	.04	.08	.28	.29	.50	.15	.64	.54	.43	.66	.26	1.22	1.22
68	.06	.33	.65	.20	TRACE	.00	.78	.35	TRACE	.06	1.57	.21	1.57
69	.51	.19	.24	.48	.45	.00	.64	.81	.62	.03	.45	.54	.81
70	TRACE	.30	.41	.44	.03	.33	1.39	.55	1.90	1.73	.00	.22	1.90
71	.04	.19	TRACE	.50	.01	TRACE	.71	1.00	.65	.97	.54	.83	1.00
72	.00	.00	.01	.00	.19	.30	1.64	.72	.76	1.75	.77	.29	1.75
73	.02	.98	.61	.02	.07	.38	.41	.31	TRACE	.00	.19	.00	.98
74	.50	TRACE	.33	TRACE	.00	.01	1.47	.38	.36	.96	.78	.26	1.47
75	.21	.08	.46	.13	.11	.00	1.17	.13	.74	TRACE	.26	.34	1.17
76	.06	.23	.38	.25	.08	.10	.30	.09	1.25	.13	.22	.46	1.25
77	.67	.03	.45	.28	.08	.06	.31	.47	.99	1.47	.17	.82	1.47
78	.87	.48	.41	.01	.48	.12	.28	.62	1.10	1.55	.58	1.07	1.55
79	.80	.21	.25	.03	.25	.22	1.11	1.10	.02	.33	.01	.08	1.11
80	.24	.86	.58	.08	TRACE	.14	.63	.69	1.08	.20	.00	.15	1.08

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.71	.57	.68	.40	.25	.16	1.27	.55	.53	.04	.58	.00	1.27
82	.47	.03	.97	.03	.23	.13	.86	1.00	1.04	.00	.74	.65	1.04
83	.83	.39	.50	.07	TRACE	.00	.52	1.07	1.02	2.96	.75	.33	2.96
84	.48	.00	.00	.12	.04	.66	.40	.80	1.31	.27	.32	.83	1.31
85	.67	.53	.14	.40	TRACE	.05	1.27	.96	.54	.70	.46	.10	1.27
86	.96	.34	.65	TRACE	.44	.05	1.04	.93	.28	.27	.15	.81	1.04
87	.37	1.04	.55	.44	.28	.08	.15	1.30	.82	.14	.42	.70	1.30
88	.18	.38	.35	.68	.02	.06	.45	1.38	.70	.93	.37	.02	1.38
89	.48	.23	.62	.00	.12	.06	.35	.30	.02	1.09	.09	.16	1.09
90	.33	.36	.19	.09	.03	.44	1.12	1.02	.50	.58	.13		1.12*
GREATEST	1.08	1.26	1.19	.74	.50	1.27	3.93	2.48	2.85	2.96	1.57	1.22	3.93
TOTAL OBS	1302	1186	1302	1260	1302	1290	1333	1315	1290	1350	1319	1302	15551

THE GREATEST VALUE OF 3.93 OCCURRED ON 07/29/58

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: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	98.2	98.0	98.5	99.8	100.0	100.0	100.0	100.0	100.0	99.9	99.8	97.5	99.3
TRACE	.8	1.2	1.1	.1						.1	.1	1.8	.4
0.1-0.4	.2										.1	.2	.0
0.5-1.4	.5	.7	.1	.1								.2	.1
1.5-2.4	.2	.2	.1	.1								.1	.0
2.5-3.4			.1									.1	.0
3.5-4.4	.2		.2										.0
4.5-6.4											.1		.0
6.5-10.4												.1	.0
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	1.0	.8	.4	.2							.2	.6	.3
TOTAL NO. OF OBSERVATIONS	1302	1186	1302	1260	1302	1290	1333	1302	1290	1350	1319	1302	15538

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
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*
48										.0*	.0	.0	.0*
49	4.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.1
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
51	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.8
52	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
53	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.5
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
56	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	6.4	.0	6.4
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE	TRACE
60	1.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.1	.0	5.8
65	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.2
66	TRACE	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.2
67	.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	1.6	1.6
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
69	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	6.8
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
74	.4	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.4
75	.0	TRACE	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.5
76	.0	.0	3.8	2.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8
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	TRACE	TRACE
79	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
80	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
82	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
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	TRACE	TRACE
85	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.2
86	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
87	4.7	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	3.6	8.3
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
89	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
90	2.7	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0		5.0*
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	4.7	3.9	5.7	2.0	.0	.0	.0	.0	.0	TRACE	6.4	6.8	8.3
MEAN	.4	.3	.3	.1	.0	.0	.0	.0	.0	TRACE	.1	.3	1.5
MEDIAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
SD	1.159	.782	1.153	.342	.000	.000	.000	.000	.000	.000	.965	1.202	2.366
TOTAL OBS	1302	1186	1302	1260	1302	1290	1333	1302	1290	1350	1319	1302	15538

THE GREATEST VALUE OF 6.8 OCCURRED ON 12/71

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

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
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*
48										.0*	.0	.0	.0*
49	3.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.5
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
51	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.8
52	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
53	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.5
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
56	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	6.4	.0	6.4
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE	TRACE
60	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	4.0
65	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2
66	TRACE	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.2
67	.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	1.6	1.6
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
69	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	6.8
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
74	.4	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.4
75	.0	TRACE	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.5
76	.0	.0	3.8	2.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
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	TRACE	TRACE
79	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
80	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
82	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
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	TRACE	TRACE
85	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1
86	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
87	4.3	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.3
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
89	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
90	1.5	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0		1.5*
GREATEST	4.3	2.2	4.0	2.0	.0	.0	.0	.0	.0	TRACE	6.4	6.8	6.8
TOTAL OBS	1302	1186	1302	1260	1302	1290	1333	1302	1290	1350	1319	1302	15538

THE GREATEST VALUE OF 6.8 OCCURRED ON 12/08/71

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

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.3	99.8
TRACE	.5	.3	.1									.5	.1
1	.2										.1		.0
2												.1	.0
3			.1									.1	.0
4-6		.1	.1									.1	.0
7-12													
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	.2	.1	.2								.1	.2	.1
TOTAL NO. OF OBSERVATIONS	1302	1183	1302	1260	1302	1259	1302	1302	1260	1318	1289	1302	15381

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46						*	*	*	*	*	*		*
48										0*	0	0	0*
49	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE	TRACE
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	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
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	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
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	1	0	1
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
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	5	0	0	0	0	0	0	0	0	0	5
65	0	4	0	0	0	0	0	0	0	0	0	0	4
66	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
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	5	5
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
76	0	0	3	0	0	0	0	0	0	0	0	0	3
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	1	0	0	0	0	0	0	0	0	0	0	0	1
80	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: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
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	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0
87	1	0	0	0	0	0	0	0	0	0	0	2	2
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	TRACE	0	0	0	0	0	0	0	0	0		TRACE*
GREATEST	1	4	5	0	0	0*	0*	0*	0*	0*	1*	5	5*
TOTAL OBS	1302	1183	1302	1260	1302	1259	1302	1302	1260	1318	1289	1302	15381

THE GREATEST VALUE OF 5 OCCURRED ON 03/03/64

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

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ

PERIOD OF RECORD: 4606-9011
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
48 - 49	JAN 15	JAN 15		FEB 14	JAN 25	
49 - 50	DEC 10	DEC 20		DEC 20	DEC 20	
50 - 51	DEC 31	JAN 01		JAN 12	JAN 12	
51 - 52	DEC 07	MAR 09		MAR 11	MAR 09	
52 - 53	FEB 24	FEB 24		FEB 24	FEB 24	
53 - 54	DEC 04			DEC 04		
54 - 55	FEB 02			FEB 02		
55 - 56	FEB 02	FEB 17		APR 02	APR 02	
57 - 58	MAR 07			MAR 07		
58 - 59	NOV 16	NOV 16	NOV 17	NOV 16	NOV 16	NOV 17
59 - 60	OCT 30	JAN 01		FEB 10	JAN 02	
61 - 62	FEB 27			FEB 27		
63 - 64	MAR 02	MAR 02	MAR 03	MAR 08	MAR 03	MAR 03
64 - 65	NOV 15	NOV 15	FEB 10	FEB 10	FEB 10	FEB 10
65 - 66	DEC 23	DEC 23		FEB 09	FEB 08	
66 - 67	DEC 30			APR 12		
67 - 68	DEC 17	DEC 17		DEC 17	DEC 17	
68 - 69	DEC 20	DEC 20		MAR 14	DEC 21	
69 - 70	DEC 27			MAR 05		
70 - 71	JAN 03			FEB 20		
71 - 72	DEC 04	DEC 08	DEC 08	DEC 14	DEC 08	DEC 09
72 - 73	JAN 20			JAN 22		
73 - 74	JAN 02	JAN 02		MAR 09	JAN 02	
74 - 75	DEC 25	MAR 11		MAR 28	MAR 11	
75 - 76	NOV 29	MAR 03	MAR 04	APR 16	APR 16	MAR 04
78 - 79	DEC 06	JAN 29	JAN 29	JAN 29	JAN 29	JAN 29
79 - 80	MAR 19			MAR 19		
80 - 81	MAR 03			MAR 03		

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ

PERIOD OF RECORD: 4606-9011
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
81 - 82	JAN 02			MAR 13		
82 - 83	DEC 01			DEC 31		
84 - 85	DEC 13	FEB 03		FEB 04	FEB 04	
85 - 86	DEC 12			FEB 09		
86 - 87	JAN 16	JAN 16	JAN 17	MAR 22	JAN 20	JAN 17
87 - 88	DEC 13	DEC 24	DEC 25	DEC 25	DEC 25	DEC 25
88 - 89	DEC 26			FEB 05		
89 - 90	JAN 02	JAN 02		FEB 19	FEB 19	
MEDIAN-DATE	DEC 26	JAN 02	JAN 23	FEB 16	JAN 27	JAN 23

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          CCCCCC
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT         CCCCCCCC
PP      PP     AA    AA     RR     RR        TT             CC      CC
PP      PP     AA    AA     RR     RR        TT             CC
PPPPPPPPP      AA    AA     RRRRRRRRR       TT             CC
PPPPPPPP       AAAAAAAAAA     RRRRRRRR      TT             CC
PP             AAAAAAAAAA     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
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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: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
46						*	*	*	*	*	*		*
48										*	*	*	*
49	*	*	*	*	*	*	*	*	*	*	*	*	*
50	*	*	*	*	*	*	*	*	*	*	*	*	*
51	*	*	*	*	*	*	*	*	*	*	*	*	*
52	*	*	*	*	*	*	*	*	*	*	*	*	*
53	*	*	*	*	*	*	*	*	*	*	*	*	*
54	*	*	*	*	*	*	*	*	*	*	*	*	*
55	*	*	*	*	*	*	*	*	*	*	*	*	*
56	*	*	*	*	*	*	*	*	*	*	*	*	*
57	*	*	*	*	*	*	*	*	*	*	*	*	*
58	*	*	*	*	*	*	*	*	*	*	*	*	*
59	*	*	*	*	*	*	*	*	*	*	*	*	*
60	*	*	*	*	*	*	*	*	*	*	*	*	*
61	*	*	*	*	*	*	*	*	*	*	*	*	*
62	*	*	*	*	*	*	*	*	*	*	*	*	*
63	*	*	*	*	*	*	*	*	*	*	*	*	*
64	*	*	*	*	*	*	*	*	*	*	*	*	*
65	*	*	*	*	*	*	*	*	*	*	*	*	*
66	*	*	*	*	*	*	*	*	*	*	*	*	*
67	*	*	*	*	*	*	*	*	*	*	*	*	*
68	*	*	*	*	*	*	*	*	*	*	*	*	*
69	*	*	*	*	*	*	*	*	*	*	33/*39	33/*27	33/*39
70	33/*29	33/*42	33/*24	33/*28	33/*40	22/*29	22/*53	33/*35	11/*47	33/*30	33/*39	33/*21	22/*53
71	11/*21	33/*25	33/*29	33/*31	33/*23	33/*41	11/*47	22/*38	33/*26	33/*32	33/*26	33/*38	11/*47
72	33/*24	33/*20	11/*22	11/*18	22/*32	33/*30	33/*34	33/*42	11/*49	11/*16	33/*17	33/*36	11/*49
73	22/*23	11/*13	22/*18	22/*23	33/*26	33/*32	11/*33	22/*43	11/*23	33/*18	11/*16	11/*20	22/*43
74	22/*23	22/*20	11/*19	33/*24	11/*13	33/*41	22/*41	11/*38	22/*29	11/*27	33/*17	33/*27	33/*41
75	11/*20	11/*17	11/*16	11/*21	11/*19	11/*18	22/*45	11/*27	22/*33	33/*24	33/*30	11/*16	22/*45
76	33/*23	33/*15	33/*26	11/*15	22/*27	22/*34	22/*40	11/*32	33/*35	33/*30	33/*34	33/*21	22/*40
77	33/*16	11/*20	11/*23	33/*40	11/*20	22/*41	33/*47	33/*28	22/*30	33/*23	33/*14	33/*15	33/*47
78	11/*14	11/*24	11/*22	11/*17	33/*21	11/*26	33/*37	22/*42	22/*24	33/*23	22/*16	33/*18	22/*42
79	33/*20	33/*21	11/*22	11/*21	33/*30	33/*29	33/*28	33/*34	33/*34	11/*17	33/*25	11/*17	33/*34
80	11/*13	33/*24	33/*28	22/*31	11/*19	33/*44	33/*36	22/*36	33/*38	33/*37	33/*32	33/*34	33/*44

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
81	33/*34	33/*26	33/*19	33/*36	33/*18	11/*33	33/*42	33/*25	33/*30	33/*24	33/*25	33/*20	33/*42
82	33/*31	33/*27	22/*21	11/*22	22/*30	*	11/*41	11/*37	33/*32	33/*20	33/*36	33/*40	11/*41
83	33/*35	*	11/*14	33/*31	22/*37	22/*21	33/*41	11/*39	33/*36	33/*37	33/*26	33/*25	33/*41
84	33/*33	22/*31	*	11/*14	11/*33	*	22/*54	22/*24	22/*31	33/*29	33/*26	33/*34	22/*54
85	33/*34	33/*26	33/*22	33/*26	33/*25	11/*20	33/*32	22/*34	11/*21	33/*30	33/*13	33/*22	33/*34
86	33/*30	33/*27	33/*26	11/*16	22/*25	11/*31	33/*36	22/*49	33/*28	33/*22	33/*20	33/*26	22/*49
87	33/*28	33/*40	33/*36	33/*25	11/*38	11/*26	22/*26	33/*30	11/*45	22/*24	*	33/*23	11/*45
88	22/*21	11/*20	22/*16	11/*23	11/*16	33/*35	22/*32	22/*22	22/*44	22/*27	11/*17	11/*16	22/*44
89	11/*12	11/*16	11/*16	11/*24	*	11/*22	33/*44	22/*36	11/*18	22/*14	22/*20	11/*25	33/*44
90	11/*24	*	11/*26	11/*21	33/*32	22/*20	22/*48	22/*46	22/*22	11/*22	33/*40		22/*48
GREATEST	33/ 35	33/ 42	33/ 36	33/ 40	33/ 40	33/ 44	22/ 54	22/ 49	11/ 49	33/ 37	33/ 40	33/ 40	22/ 54
TOTAL OBS	134	105	86	76	61	77	125	149	119	118	134	124	1308

THE PEAK WIND OF 54 FROM 22/ OCCURRED ON 07/16/84

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

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
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	.0	.7	40.3	25.4	17.9	8.2	6.7	.7	.0	.0	.0	17.8	16.0	134
FEB	.0	1.0	27.6	38.1	16.2	12.4	2.9	.0	1.9	.0	.0	18.4	17.0	105
MAR	.0	.0	27.9	39.5	24.4	7.0	.0	1.2	.0	.0	.0	17.8	16.5	86
APR	.0	.0	3.9	46.1	32.9	6.6	7.9	1.3	1.3	.0	.0	20.7	19.5	76
MAY	.0	.0	3.3	39.3	14.8	23.0	14.8	3.3	1.6	.0	.0	23.0	21.0	61
JUN	.0	.0	.0	14.3	35.1	29.9	11.7	3.9	5.2	.0	.0	25.2	25.0	77
JUL	.0	.0	2.4	13.6	17.6	19.2	24.8	8.0	12.0	2.4	.0	29.0	29.0	125
AUG	.0	.0	6.0	22.8	30.2	16.8	12.1	7.4	4.7	.0	.0	24.5	23.0	149
SEP	.0	.0	9.2	25.2	28.6	16.0	12.6	4.2	4.2	.0	.0	23.7	23.0	119
OCT	.0	.0	22.9	33.1	28.8	8.5	5.1	1.7	.0	.0	.0	19.3	18.0	118
NOV	.0	.7	37.3	23.1	14.2	14.2	6.7	3.0	.7	.0	.0	18.9	16.5	134
DEC	.0	2.4	46.8	25.0	10.5	8.1	4.8	1.6	.8	.0	.0	16.9	15.0	124
ANNUAL	.0	.5	20.6	27.5	22.2	13.7	9.3	3.2	2.8	.2	.0	21.2	20.0	1308

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.2									.7	6.3	4.5
020-040	.2											.2	3.0	3.0
050-070	.9	1.1	.3									2.3	6.0	5.0
(E) 080-100	1.5	4.0	1.3	.3								7.2	7.2	6.0
110-130	3.9	21.7	6.8	2.7	.3							35.5	8.2	7.0
140-160	5.9	23.5	1.5	.2								31.1	6.1	6.0
(S) 170-190	2.6	3.7	.7									6.9	5.7	5.0
200-220	1.6	1.8	.1	.1								3.6	5.4	5.0
230-250	1.2	1.5	.1									2.8	5.1	5.0
(W) 260-280	1.0	1.5	.4	.1								3.0	6.6	6.0
290-310	.2	1.3	.4									2.0	7.9	8.0
320-340	.7	.3	.3	.1								1.5	7.6	7.0
VARIABLE														
CALM	//											3.2	//////////	
TOTALS	20.0	60.5	12.1	3.5	.3							100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 894

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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		.6										.6	5.8	6.0
020-040	.1	.4										.6	5.0	5.0
050-070	.7	1.0	.2									1.9	5.6	5.0
(E) 080-100	1.7	2.1	.9	.2								4.8	6.8	6.0
110-130	3.4	22.3	7.0	3.0	.7							36.4	8.4	7.0
140-160	5.8	25.3	2.4	.4	.2							34.2	6.5	6.0
(S) 170-190	2.4	4.0	.2	.1								6.7	5.5	5.0
200-220	1.4	1.5	.6									3.5	5.8	5.0
230-250	1.1	1.5	.1									2.8	5.0	5.0
(W) 260-280	.7	.9	.1									1.7	5.4	6.0
290-310	.7	1.2	.2									2.1	5.8	6.0
320-340	.8	.2	.2									1.2	5.2	4.0
VARIABLE														
CALM	//											3.6	//////////	
TOTALS	18.8	61.0	11.9	3.7	.9							100.0	6.8	6.0

TOTAL NUMBER OF OBSERVATIONS 909

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN HOURS: 06-08

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	.8	.3										1.1	4.0	4.0
020-040	.4	.3										.8	4.0	4.0
050-070	.6	1.1	.2									1.9	5.5	5.0
(E) 080-100	1.4	2.6	.8	.7	.1							5.6	7.8	6.0
110-130	3.7	22.0	8.6	3.2	.2							37.8	8.5	8.0
140-160	3.7	23.5	3.6		.1							30.9	7.0	7.0
(S) 170-190	2.0	6.2	.8	.2								9.1	6.3	6.0
200-220	1.2	1.4	.1	.2								3.0	6.0	5.0
230-250	.9	1.1	.2	.1								2.3	6.0	5.0
(W) 260-280	.4	.9										1.3	5.6	5.5
290-310	.4	.8	.1									1.3	5.8	5.0
320-340	.6	.9										1.4	5.5	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	3.4	//////	//////
TOTALS	16.1	61.1	14.4	4.4	.4							100.0	7.1	7.0

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN 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	1.5	1.2	.1									2.8	5.0	4.0
020-040	.4	.2										.7	4.0	3.5
050-070	1.2	.3	.2									1.8	4.9	4.0
(E) 080-100	1.7	1.1	.6	.8								4.1	7.9	6.0
110-130	3.8	11.0	6.0	5.5	3.1							29.5	10.8	9.0
140-160	4.6	19.1	4.1	.6	.3							28.7	7.1	7.0
(S) 170-190	3.5	7.0	.6	.4	.1							11.6	6.4	6.0
200-220	2.5	1.7	.7		.2							5.0	6.2	5.0
230-250	1.5	1.3	.3	.3								3.5	6.1	5.0
(W) 260-280	1.3	1.3	.4									3.1	5.9	5.5
290-310	.9	1.5	.4									2.8	6.3	6.0
320-340	1.0	1.6	.1									2.7	5.3	5.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.8	//////	//////
TOTALS	23.9	47.3	13.5	7.6	3.7							100.0	7.6	6.0

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	2.4	5.2	1.0	.1								8.8	6.3	6.0
020-040	1.8	2.0										3.8	5.1	5.0
050-070	2.8	1.9	.1									4.8	4.7	4.0
(E) 080-100	1.7	2.0	1.2	.6	.2							5.7	8.2	7.0
110-130	2.9	3.6	5.8	6.3	1.8	.2						20.6	12.4	13.0
140-160	2.1	3.4	.6	.3	.2	.1						6.8	7.2	6.0
(S) 170-190	1.6	1.7	.6	1.0	.3							5.1	9.0	6.5
200-220	.9	.4	1.9	1.3	.4	.1						5.1	12.5	13.0
230-250	1.6	1.9	.9	.1	.1							4.6	7.0	5.0
(W) 260-280	2.4	2.1	.8	.2								5.6	6.5	5.0
290-310	2.1	6.2	2.6	.1								11.0	7.1	6.0
320-340	3.2	9.3	1.8	.1								14.5	6.7	6.0
VARIABLE														
CALM	//											3.8	//////////	
TOTALS	25.5	39.7	17.3	10.1	3.0	.4						100.0	8.0	7.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.5	8.6	2.4									14.5	6.8	7.0
020-040	2.0	2.3	.1									4.4	5.2	5.0
050-070	1.3	2.1	.7									4.1	6.2	5.0
(E) 080-100	.9	2.4	1.4	.8	.1							5.6	9.3	8.0
110-130	.8	1.7	5.6	2.9	1.0							11.9	12.8	13.0
140-160	.4	1.5	.7		.1							2.8	7.6	6.0
(S) 170-190	.4	.3	.8	.6								2.1	10.4	11.0
200-220	.3	.4	2.3	1.8	1.3	.1						6.3	14.9	15.0
230-250	.7	1.3	1.8	.4	.1	.1			.1			4.5	11.1	10.0
(W) 260-280	1.3	3.1	1.2	.3								5.9	7.5	7.0
290-310	1.3	5.6	5.1	.7								12.7	8.9	9.0
320-340	2.4	12.0	8.0	.7								23.1	8.3	8.0
VARIABLE														
CALM	//////////											2.1	//////////	
TOTALS	15.3	41.3	30.1	8.2	2.6	.2			.1			100.0	8.9	8.0

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.9	4.9	.4									9.3	5.3	5.0
020-040	1.0	.9										1.9	5.0	4.0
050-070	1.7	2.6	.1									4.4	5.3	5.0
(E) 080-100	1.1	5.2	1.3	.3								8.0	7.8	7.0
110-130	2.2	5.7	4.0	1.0	.2							13.2	8.9	8.5
140-160	.7	1.5	.6	.1								2.8	7.2	7.0
(S) 170-190	1.3	2.1	.1	.4								4.0	6.8	5.0
200-220	.8	1.3	1.0	.7	.1							3.9	9.3	8.0
230-250	1.8	3.5	.9	.2								6.4	6.8	6.0
(W) 260-280	1.7	6.8	.8	.2								9.5	6.1	5.0
290-310	3.0	5.6	2.0	.1	.1							10.9	6.8	6.0
320-340	4.2	13.1	3.4	.4								21.1	7.1	7.0
VARIABLE														
CALM	//											4.5	//////////	
TOTALS	23.4	53.2	14.6	3.4	.4							100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 891

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN 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 WIN'
(N) 350-010	.7	.5	.2									1.4	5.9	5.0
020-040	.4											.4	4.0	4.0
050-070	1.0	.4	.1									1.5	4.4	3.0
(E) 080-100	2.0	4.4	1.3	.3								8.0	7.1	6.0
110-130	4.2	14.8	5.8	2.5	.4							27.8	8.2	6.0
140-160	5.9	15.4	.8	.2	.1							22.4	5.7	5.0
(S) 170-190	3.8	6.7	.2									10.8	5.1	5.0
200-220	2.4	3.2	.2	.2								6.0	5.5	5.0
230-250	1.6	2.2	.4	.1	.1							4.5	6.3	5.0
(W) 260-280	1.0	2.9	.4	.3								4.6	7.2	6.0
290-310	1.4	2.6	.7	.1								4.8	6.5	6.0
320-340	.4	1.4	.5	.1	.1							2.6	8.4	8.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.0	//////	//////
TOTALS	24.8	54.5	10.6	3.8	.7							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 911

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.6	2.7	.6	.0								4.9	6.1	6.0
020-040	.8	.8	.0									1.6	4.9	4.0
050-070	1.3	1.3	.2									2.8	5.4	5.0
(E) 080-100	1.5	3.0	1.1	.5	.1							6.1	7.7	7.0
110-130	3.1	12.9	6.2	3.4	1.0	.0						26.6	9.3	8.0
140-160	3.7	14.2	1.8	.2	.1	.0						20.0	6.6	6.0
(S) 170-190	2.2	4.0	.5	.3	.1							7.1	6.3	5.0
200-220	1.4	1.5	.9	.5	.3	.0						4.6	8.7	6.0
230-250	1.3	1.8	.6	.2	.0	.0			.0			3.9	6.9	5.0
(W) 260-280	1.2	2.4	.5	.2								4.3	6.5	6.0
290-310	1.3	3.1	1.4	.1	.0							5.9	7.3	7.0
320-340	1.6	4.9	1.8	.2	.0							8.5	7.3	7.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	3.7	////	////
TOTALS	21.0	52.6	15.6	5.6	1.6							100.0	7.3	6.0

TOTAL NUMBER OF OBSERVATIONS 7216

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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												
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	1.8	3.5										5.3	5.7	6.0
020-040	3.5	1.8										5.3	4.0	4.0
050-070	1.8	5.3										7.0	5.8	5.5
(E) 080-100	3.5											3.5	3.5	3.5
110-130	3.5	3.5										7.0	4.0	4.0
140-160	1.8	1.8										3.5	4.5	4.5
(S) 170-190	5.3											5.3	3.3	3.0
200-220	3.5			1.8								5.3	8.3	4.0
230-250		1.8										1.8	5.0	5.0
(W) 260-280	5.3	8.8										14.0	5.4	5.5
290-310	3.5	7.0	3.5									14.0	6.9	7.5
320-340	5.3	3.5	5.3	3.5								17.5	10.0	10.5
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	10.5	//////	//////
TOTALS	38.8	37.0	8.8	5.3								100.0	5.6	5.0

TOTAL NUMBER OF OBSERVATIONS 57

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.5										.6	5.4	5.0
020-040	.1	.1										.2	4.5	4.5
050-070	.2	1.0	.1									1.3	6.2	6.0
(E) 080-100	1.0	3.9	.5	.1								5.5	6.5	6.0
110-130	3.9	22.9	3.1	.2								30.1	6.8	6.0
140-160	6.0	29.6	.6	.1								36.4	5.9	6.0
(S) 170-190	2.4	5.0	1.3	.4								9.2	6.7	5.0
200-220	1.5	2.3	.9	.4								5.0	7.2	6.0
230-250	1.2	2.1	.1									3.4	5.4	5.0
(W) 260-280	.6	2.4	.4									3.4	6.2	6.0
290-310	.6	1.6	.6									2.8	7.3	7.0
320-340	.4	.2	.1	.1								.9	7.3	6.0
VARIABLE														
CALM	//											1.1	//////////	
TOTALS	18.0	71.6	7.7	1.3								100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 817

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.7	1.6	.1									2.4	5.4	5.5
020-040	.5	.6										1.1	4.6	5.0
050-070	1.0	.8		.1								1.9	5.4	4.5
(E) 080-100	1.3	1.9	.8	.5								4.6	7.5	6.0
110-130	3.8	9.3	4.2	4.5	1.0							22.8	9.7	8.0
140-160	4.4	20.5	2.9	.2	.1							28.1	6.8	7.0
(S) 170-190	4.1	8.4	1.1	.2								13.8	6.2	6.0
200-220	2.1	2.2	1.0	.6	.2							6.1	7.9	6.0
230-250	1.5	1.2	.4		.1							3.1	6.0	5.0
(W) 260-280	1.5	1.3	.7	.1								3.6	6.5	5.0
290-310	2.1	1.5	1.2	.2								5.0	7.0	6.0
320-340	1.5	1.6	.4									3.4	5.6	5.0
VARIABLE														
CALM	//											4.1	//////////	
TOTALS	24.5	50.9	12.8	6.4	1.4							100.0	7.1	6.0

TOTAL NUMBER OF OBSERVATIONS 826

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	5.9	1.0									8.2	6.3	6.0
020-040	1.7	2.3										4.1	4.7	5.0
050-070	1.6	2.3	.2	.2	.1							4.6	6.5	5.0
(E) 080-100	2.3	2.8	2.0	.7	.1							8.0	8.2	8.0
110-130	2.1	3.9	3.8	2.6	.4							12.8	10.2	10.0
140-160	.9	3.2	.6	.2	.1							5.0	7.4	7.0
(S) 170-190	2.2	2.5	1.1	.1	.1							6.0	6.9	5.0
200-220	1.1	2.0	2.0	1.6	.2							6.9	10.9	12.0
230-250	2.2	2.0	.7	1.5	.1							6.5	8.4	6.0
(W) 260-280	2.5	2.8	2.5	.2								8.0	7.6	7.0
290-310	1.7	7.5	3.2	1.5	.1							14.0	8.5	7.0
320-340	1.5	8.1	2.3	.9								12.8	7.8	7.0
VARIABLE														
CALM	//											3.1	//////////	
TOTALS	21.2	45.3	19.4	9.5	1.2							100.0	7.8	7.0

TOTAL NUMBER OF OBSERVATIONS 813

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.6	.2	.1									1.0	4.9	4.0
020-040		.2										.2	5.5	5.5
050-070	.8	.6	.4									1.8	5.7	5.0
(E) 080-100	1.9	2.4	.1							.1		4.6	6.6	5.0
110-130	5.4	24.1	3.9	1.0								34.3	7.1	7.0
140-160	2.9	31.6	1.9									36.4	6.5	6.0
(S) 170-190	2.7	4.7	1.1	.1								8.6	6.4	6.0
200-220	.6	1.3	1.0	.1								3.0	7.8	7.0
230-250	1.2	1.5	.2									2.9	5.7	6.0
(W) 260-280	.4	1.3										1.7	5.6	5.5
290-310	.6	1.1	.5									2.2	6.8	6.5
320-340	.6		.5									1.1	7.3	4.0
VARIABLE														
CALM	//											2.2	//////////	
TOTALS	17.7	69.0	9.7	1.2						.1		100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 827

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: FEB HOURS: 06-08

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
	WIND SPEED IN KNOTS													
(N) 350-010	.6	.1										.7	4.2	4.0
020-040	.1	.2										.4	4.3	5.0
050-070	1.3	1.0										2.3	4.2	4.0
(E) 080-100	.9	2.9		.1								3.9	6.1	6.0
110-130	2.6	23.7	7.0	2.1								35.2	8.0	7.0
140-160	3.7	27.3	4.1									35.1	7.0	7.0
(S) 170-190	2.4	5.0	.4									7.8	5.8	6.0
200-220	1.2	1.6	.7	.4	.2							4.1	8.1	6.5
230-250	1.0	1.3	.1									2.4	5.1	5.0
(W) 260-280	.9	1.7	.2									2.8	6.1	6.0
290-310	.6	.7	.2									1.6	5.8	6.0
320-340	.5	.2		.1								.9	6.0	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.7	//////	//////
TOTALS	15.8	65.7	12.7	2.7	.2							100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 820

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.3	10.3	3.6	.1								15.4	7.7	7.0
020-040	1.0	2.7	.4									3.7	5.9	6.0
050-070	.6	2.1	.8	.1								3.6	7.4	7.0
(E) 080-100	.5	2.5	1.2	.2	.1							4.6	8.4	7.5
110-130	.6	2.1	1.8	.5								5.0	9.0	8.0
140-160	.2	1.0										1.2	6.5	7.0
(S) 170-190	.1	.8	.7	.1								1.8	9.3	8.0
200-220	.5	.8	1.8	2.1	.2							5.4	12.7	14.0
230-250	1.2	1.5	2.8	1.0								6.4	9.8	11.0
(W) 260-280	1.0	3.5	3.4	.8								8.7	9.1	9.0
290-310	2.7	6.5	7.3	2.1	.4							18.9	9.7	10.0
320-340	1.1	14.6	7.6	1.3								24.7	8.8	8.0
VARIABLE														
CALM	//											.6	//////////	
TOTALS	10.8	48.4	31.1	8.3	.7							100.0	8.9	8.0

TOTAL NUMBER OF OBSERVATIONS 827

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	2.9	7.6	1.0									11.5	6.2	6.0
020-040	1.7	1.3										3.1	4.8	4.0
050-070	2.2	2.2	.6									5.0	5.8	5.0
(E) 080-100	.6	3.7	1.3	.2								5.9	7.8	7.0
110-130	.7	2.6	.4									3.7	6.6	6.0
140-160	.5	1.5	.2									2.2	6.1	5.0
(S) 170-190	.9	1.5	.4									2.7	6.2	5.5
200-220	.7	2.0	1.8	.6								5.1	9.7	9.0
230-250	2.3	2.9	1.1									6.4	6.6	5.5
(W) 260-280	1.6	5.0	1.6	.2								8.5	7.0	6.0
290-310	2.1	7.4	3.1	.6								13.1	7.8	7.0
320-340	3.1	20.2	7.4	.6	.1							31.4	7.9	8.0
VARIABLE														
CALM	//											1.5	//////////	
TOTALS	19.3	57.9	18.9	2.2	.1							100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 816

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.7	.4										1.1	4.0	3.0
020-040	.2	.4										.6	5.0	6.0
050-070	1.1	1.3	.1									2.5	5.0	5.0
(E) 080-100	1.3	3.1	.1									4.6	5.8	6.0
110-130	2.4	7.8	2.6	.4								13.2	7.2	6.5
140-160	4.4	16.5	.1							.1		21.2	5.9	6.0
(S) 170-190	5.0	10.9	.7									16.7	5.4	5.0
200-220	3.0	6.0	1.4	.5								10.9	6.5	5.0
230-250	2.4	4.1		.1								6.6	5.4	5.0
(W) 260-280	1.8	6.1	.5									8.4	6.1	6.0
290-310	1.1	4.0	.8	.4								6.2	7.2	6.0
320-340	1.3	1.9	.4	.4								4.0	6.9	6.0
VARIABLE														
CALM	//											4.0	//////////	
TOTALS	24.7	62.5	6.7	1.8						.1		100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 832

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.3	.7	.0								5.1	6.6	6.0
020-040	.7	1.0	.0									1.7	5.1	5.0
050-070	1.1	1.4	.3	.1	.0							2.9	5.9	5.0
(E) 080-100	1.2	2.9	.8	.2	.0					.0		5.2	7.2	6.0
110-130	2.7	12.0	3.3	1.4	.2							19.6	7.9	7.0
140-160	2.9	16.4	1.3	.1	.0					.0		20.7	6 5	6.0
(S) 170-190	2.5	4.9	.9	.1	.0							8.3	6.2	5.0
200-220	1.3	2.3	1.3	.8	.1							5.8	8.7	7.0
230-250	1.6	2.1	.7	.3	.0							4.7	6.9	6.0
(W) 260-280	1.3	3.0	1.2	.2								5.6	7.1	6.0
290-310	1.4	3.8	2.1	.6	.1							8.0	8.3	7.5
320-340	1.2	5.9	2.3	.4	.0							9.9	8.0	8.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.4	//////////	
TOTALS	18.9	59.0	14.9	4.2	.4							100.0	7.1	6.0

TOTAL NUMBER OF OBSERVATIONS 6578

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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 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														
020-040														
050-070														
(E) 080-100	2.6											2.6	4.0	4.0
110-130		2.6										2.6	5.0	5.0
140-160	2.6											2.6	3.0	3.0
(S) 170-190	5.1		2.6									7.7	6.0	3.0
200-220	5.1											5.1	3.5	3.5
230-250	7.7	10.3										17.9	5.1	6.0
(W) 260-280		7.7	2.6									10.3	7.5	7.5
290-310	7.7	15.4	2.6	5.1								30.8	7.3	5.5
320-340	5.1	2.6	5.1	5.1								17.9	10.6	10.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.6	//////////	
TOTALS	35.9	38.6	12.9	10.2								100.0	6.8	5.5

TOTAL NUMBER OF OBSERVATIONS 39

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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									.3	8.0	7.0
020-040	.6	.1										.7	3.7	3.5
050-070	1.0	.4										1.4	4.6	4.0
(E) 080-100	1.2	1.8	.3									3.3	5.4	5.0
110-130	3.6	16.5	1.7	.2								22.0	6.5	6.0
140-160	4.6	26.2	.7									31.5	6.1	6.0
(S) 170-190	5.1	10.7	.9	.2								16.9	5.7	5.0
200-220	1.5	3.6	1.7	.3	.1							7.3	7.5	6.0
230-250	1.8	3.3	.6	.4								6.1	6.5	6.0
(W) 260-280	.2	3.3	.8	.2								4.5	8.2	8.0
290-310	.3	1.0	.7	.1								2.1	8.3	8.0
320-340	.7	.3	.3	.3								1.7	8.5	8.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.2	//////////	
TOTALS	20.7	67.3	7.8	1.7	.1							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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									.6	5.2	4.0
020-040	.6		.1									.7	5.0	3.5
050-070	.7	.3										1.0	3.8	4.0
(E) 080-100	1.2	2.9	.4									4.5	5.9	6.0
110-130	4.0	21.1	2.4	.6								28.0	6.7	6.0
140-160	4.7	32.1	1.2									38.0	6.3	6.0
(S) 170-190	3.1	6.0	1.0	.1								10.1	6.0	6.0
200-220	1.2	2.3	1.9	.2								5.6	7.9	8.0
230-250	.9	.9	.4									2.2	6.3	5.0
(W) 260-280	.3	1.2	1.2									2.8	8.1	8.0
290-310		1.1	1.4	.1								2.6	9.7	10.0
320-340	.1	.6	.2	.1								1.0	8.1	6.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.9	//////	//////
TOTALS	17.1	68.6	10.3	1.1								100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 907

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740   STATION NAME: TUCSON IAP AZ   PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7   MONTH: MAR   HOURS: 06-08

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
	WIND SPEED IN KNOTS													
(N) 350-010	.1	.4	.1									.7	6.2	5.5
020-040	.1	.1										.2	4.5	4.5
050-070	.8	.2	.1									1.1	4.6	4.0
(E) 080-100	.7	2.0	.2									2.9	6.1	5.0
110-130	2.3	19.1	4.0	.7								26.1	7.6	7.0
140-160	4.2	30.4	6.9									41.5	7.2	7.0
(S) 170-190	3.4	6.2	.4	.3								10.4	6.2	6.0
200-220	1.4	1.8	.4	.8	.1							4.5	8.1	6.0
230-250	1.4	1.8	.3	.2								3.8	6.1	5.0
(W) 260-280	.6	1.5	.6	.2								2.9	7.9	8.0
290-310	.2	1.1	.7									2.0	8.5	8.0
320-340	.3	.4										.8	5.3	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	3.2	//////	//////
TOTALS	15.5	65.0	13.7	2.2	.1							100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 904

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.9	.3									2.4	5.2	4.5
020-040	1.3	.6	.1									2.0	4.2	3.5
050-070	.8	1.1	.1									2.0	5.6	5.5
(E) 080-100	1.3	1.8	.8									3.9	6.4	5.0
110-130	3.5	8.0	3.8	1.7								16.9	8.2	7.0
140-160	4.3	14.4	2.3									21.0	6.6	6.0
(S) 170-190	3.4	7.2	1.7	.2								12.5	6.4	6.0
200-220	2.1	2.3	2.7	1.5								8.6	9.1	9.0
230-250	2.1	1.9	.7	.6								5.2	7.0	5.0
(W) 260-280	1.9	3.5	1.3	.4								7.2	7.4	7.0
290-310	2.1	3.9	3.0	.4	.1							9.5	8.1	7.0
320-340	1.9	2.3	.3	.1								4.6	5.9	5.0
VARIABLE														
CALM	//											4.2	//////////	
TOTALS	25.9	47.9	17.1	4.9	.1							100.0	6.8	6.0

TOTAL NUMBER OF OBSERVATIONS 905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	4.7	1.0	.1								6.8	7.2	7.0
020-040	1.9	2.3	.1									4.4	5.1	5.0
050-070	1.3	2.3	.6	.1								4.4	6.2	6.0
(E) 080-100	1.0	1.2	1.2									3.5	7.4	6.0
110-130	.9	2.6	2.0	.7								6.1	8.9	9.0
140-160	.7	4.0	.4	.1	.1	.1						5.5	7.5	7.0
(S) 170-190	1.0	2.5	.8	.3	.2							4.8	8.1	7.0
200-220	.7	2.2	2.0	2.1	.8	.1						7.9	12.6	13.0
230-250	1.8	4.0	2.7	.8	.4	.1						9.8	9.0	8.0
(W) 260-280	1.5	3.8	4.2	1.6	.1							11.2	9.4	10.0
290-310	3.0	7.7	5.7	2.2	.2							18.9	9.2	9.0
320-340	2.5	8.3	3.6	1.0								15.3	8.0	7.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.6	//////////	
TOTALS	17.3	45.6	24.3	9.0	1.8	.3						100.0	8.5	7.5

TOTAL NUMBER OF OBSERVATIONS 896

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.3	5.2	1.9									8.4	7.3	6.0
020-040	.7	2.3	.2									3.2	6.1	6.0
050-070	.9	1.7	.7									3.2	6.7	6.0
(E) 080-100	.4	.8	.7									1.9	7.8	7.0
110-130	.2	.6	1.3	.1								2.2	9.5	10.0
140-160	.2	.6	.7									1.4	8.4	8.0
(S) 170-190	.6	.4	.3	.4								1.8	8.9	8.5
200-220	.6	1.4	1.9	2.1	.8							6.7	12.6	13.0
230-250	.9	2.4	3.1	2.5	1.2	.2						10.4	12.6	12.5
(W) 260-280	.2	3.2	7.2	2.7	.1							13.4	11.5	12.0
290-310	1.1	8.2	11.9	3.3	1.0							25.6	10.9	11.0
320-340	1.0	11.1	8.2	1.2	.1							21.6	9.3	9.0
VARIABLE														
CALM	//											.2	////////////	
TOTALS	8.1	37.9	38.1	12.3	3.2	.2						100.0	10.1	10.0

TOTAL NUMBER OF OBSERVATIONS 904

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	6.7	1.2									10.2	6.3	6.0
020-040	.8	1.1										1.9	5.1	5.0
050-070	.4	1.5	.3									2.3	6.8	7.0
(E) 080-100	.4	2.0	.3									2.7	6.9	7.0
110-130	.4	1.2	.4									2.1	6.6	6.0
140-160	.3	1.0	.2	.1								1.6	7.7	8.0
(S) 170-190	.9	.9	.4	.2								2.4	7.5	6.0
200-220		1.4	1.3	1.1	.1							4.0	11.8	11.5
230-250	.5	3.4	4.1	1.5	.2							9.8	10.7	11.0
(W) 260-280	.9	5.6	3.4	1.3								11.2	9.3	8.5
290-310	1.1	9.0	8.3	2.3	.2							21.0	10.0	10.0
320-340	1.3	18.8	9.2	.5								29.9	8.5	8.0
VARIABLE														
CALM	//											1.0	//////////	
TOTALS	9.3	52.6	29.1	7.0	.5							100.0	8.7	8.0

TOTAL NUMBER OF OBSERVATIONS 911

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.9										1.3	5.3	5.0
020-040	.2	.3										.5	4.8	5.0
050-070	1.1	.3										1.4	3.7	3.0
(E) 080-100	1.3	1.6	.2									3.2	5.3	5.0
110-130	.7	6.4	.8									7.8	6.7	6.0
140-160	3.6	9.8	.4									13.8	5.7	6.0
(S) 170-190	3.5	10.3	1.2	.1	.1							15.2	6.1	6.0
200-220	2.4	7.6	1.2	.5								11.7	6.8	6.0
230-250	3.3	8.2	1.1	.5								13.2	6.5	6.0
(W) 260-280	2.3	9.5	1.5									13.4	6.5	6.0
290-310	1.6	5.2	1.2	.5								8.6	7.6	7.0
320-340	1.8	4.2	1.1	.1								7.1	6.8	7.0
VARIABLE														
CALM	//											2.7	//////////	
TOTALS	22.2	64.3	8.7	1.7	.1							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 912

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR 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	.9	2.4	.6	.0								3.8	6.6	6.0
020-040	.8	.9	.1									1.7	5.1	5.0
050-070	.9	1.0	.2	.0								2.1	5.7	5.0
(E) 080-100	1.0	1.8	.5									3.2	6.3	6.0
110-130	2.0	9.4	2.0	.5								13.9	7.3	7.0
140-160	2.8	14.8	1.6	.0	.0	.0						19.3	6.6	6.0
(S) 170-190	2.6	5.5	.8	.2	.0							9.3	6.3	6.0
200-220	1.2	2.8	1.6	1.1	.2	.0						7.1	9.3	8.0
230-250	1.6	3.2	1.6	.8	.2	.0						7.6	8.6	7.0
(W) 260-280	1.0	4.0	2.5	.8	.0							8.3	8.8	8.0
290-310	1.2	4.6	4.1	1.1	.2							11.3	9.6	9.0
320-340	1.2	5.7	2.9	.4	.0							10.2	8.3	8.0
VARIABLE														
CALM	//											2.3	//////////	
TOTALS	17.2	56.1	18.5	4.9	.6							100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 7244

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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														
020-040														
050-070														
(E) 080-100														
110-130														
140-150														
(S) 170-190														
200-220		22.2										22.2	7.5	7.5
230-250														
(W) 260-280				11.1								11.1	16.0	16.0
290-310			44.4									44.4	12.5	12.5
320-340			11.1	11.1								22.2	15.5	15.5
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.0	//////////	//////////
TOTALS		22.2	55.5	22.2								100.0	12.4	13.0

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: APR HOURS: 00-02

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	.1										.3	4.0	4.0
020-040	.1	.3										.5	5.3	5.5
050-070	.8	.3										1.1	4.2	4.0
(E) 080-100	1.4	3.3	.3	.1	.2							5.4	7.0	6.
110-130	2.4	19.6	2.8	.5								25.3	6.9	7.0
140-160	3.1	25.6	1.7	.1								30.5	6.5	6.0
(S) 170-190	3.4	10.4	.7	.1								14.6	5.9	5.0
200-220	2.6	4.1	1.5									8.2	6.6	5.5
230-250	.7	3.0	.8	.5								4.9	7.7	7.0
(W) 260-280	.2	1.9	.5									2.6	6.9	6.0
290-310	.5	1.7	.5	.2								2.8	7.9	7.0
320-340	.5	.5	.2	.2								1.4	7.8	6.0
VARIABLE														
CALM	/////	/////	/////	/////	/////	/////	/////	/////	/////	/////	/////	2.4	/////	/////
TOTALS	15.9	70.8	9.0	1.7	.2							100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 878

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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										.6	5.2	5.0
020-040	.2	.3										.6	4.8	5.0
050-070	.2	.3										.6	5.0	5.0
(E) 080-100	.8	3.6	.2									4.6	6.0	6.0
110-130	4.0	24.5	3.7	.8	.2							33.2	7.3	7.0
140-160	2.8	33.3	2.0									38.2	6.7	7.0
(S) 170-190	2.1	5.9	.8	.3								9.2	6.4	6.0
200-220	.9	1.3	1.3	.2								3.8	8.3	7.5
230-250	1.0	.9	.3									2.2	5.8	5.0
(W) 260-280	.8	.6	.7									2.0	7.0	5.5
290-310	.6	1.0	.8									2.4	7.0	6.0
320-340		.2	.2									.4	9.0	9.5
VARIABLE														
CALM	//											2.2	//////////	
TOTALS	13.6	72.2	10.0	1.3	.2							100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 891

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740   STATION NAME: TUCSON IAP AZ   PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7   MONTH: APR   HOURS: 06-08

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
					WIND SPEED IN KNOTS									
(N) 350-010	.7	.1										.8	3.9	3.0
020-040	.2	.1										.3	4.0	4.0
050-070	.6	.2										.8	4.0	4.0
(E) 080-100	.7	2.1	.2	.1								3.1	6.3	6.0
110-130	1.7	17.6	4.7	.9	.1							25.0	7.9	8.0
140-160	3.7	34.5	8.2									46.4	7.4	7.0
(S) 170-190	1.9	7.7	1.4	.3								11.3	7.0	6.0
200-220	.9	1.4	.7	.3	.1							3.4	8.2	8.0
230-250	.5	1.3	.2									1.9	6.5	6.0
(W) 260-280	.6	.8	.9									2.3	7.8	7.5
290-310	.6	.8	.6	.2								2.2	8.3	9.0
320-340	.2	.5										.7	5.7	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	1.7	//////	//////
TOTALS	12.3	67.1	16.9	1.8	.2							100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 875

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.5	2.3										3.7	5.0	5.0
020-040	.9	.8										1.7	4.5	4.0
050-070	1.7	.8										2.5	4.0	4.0
(E) 080-100	1.8	2.4	.2		.1							4.5	5.8	5.0
110-130	3.4	5.8	3.7	2.2	.6							15.7	8.9	7.0
140-160	4.0	9.1	2.3	.6								15.9	6.9	6.5
(S) 170-190	3.5	7.4	2.5	.8	.1							14.3	7.4	6.0
200-220	1.9	3.0	4.7	1.8	.8							12.1	10.5	11.0
230-250	2.0	1.6	2.2	.5	.1							6.4	8.1	6.0
(W) 260-280	2.8	2.2	.9	.2	.1							6.2	6.5	5.0
290-310	2.6	3.3	1.4	.3								7.6	6.8	5.0
320-340	2.0	3.1	.5									5.6	5.4	5.0
VARIABLE														
CALM	//											3.7	//////////	
TOTALS	28.1	41.8	18.4	6.4	1.8							100.0	7.2	6.0

TOTAL NUMBER OF OBSERVATIONS 881

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: APR HOURS: 12-14

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	5.5	.8	.1								7.8	6.8	6.0
020-040	.6	1.6	.1									2.3	5.6	5.5
050-070	.6	2.1	.6									3.2	6.8	6.0
(E) 080-100	.7	2.0	1.3	.5	.2							4.6	9.1	7.5
110-130	.6	1.6	2.2	1.0								5.4	10.2	10.0
140-160	.6	2.5	.7	.3								4.1	7.8	7.0
(S) 170-190	.2	2.8	1.5	.7	.3							5.5	10.3	9.0
200-220	1.0	3.8	4.7	2.9	.6							13.0	11.3	12.0
230-250	1.2	3.9	4.6	2.9	.8							13.4	11.3	12.0
(W) 260-280	.8	5.6	5.4	2.4	.2							14.5	10.4	10.0
290-310	.8	6.6	4.4	1.6								13.4	9.4	9.0
320-340	1.3	7.5	3.0	.3								12.1	7.8	7.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.6	//////	//////
TOTALS	9.8	45.5	29.3	12.7	2.1							100.0	9.4	9.0

TOTAL NUMBER OF OBSERVATIONS 868

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.6	4.2	1.4	.1								6.3	7.7	7.0
020-040	.6	1.7										2.3	5.6	5.5
050-070	.2	2.4	.2	.1								3.0	6.9	6.0
(E) 080-100	.2	1.0	.3	.2								1.8	7.8	6.5
110-130	.3	.6	1.9	.8	.5							4.1	12.3	12.0
140-160	.5	.2	.5	.2								1.4	8.3	8.5
(S) 170-190	.3	.8	.7	.6	.3							2.7	11.8	11.5
200-220	.2	1.3	5.2	2.6	1.0	.2						10.6	13.6	13.0
230-250	1.0	3.1	5.6	4.6	1.1	.2	.1					15.7	12.8	13.0
(W) 260-280	.7	3.3	7.3	4.2	.8							16.3	12.2	12.0
290-310	1.1	6.2	9.5	3.2	.3							20.3	10.9	11.0
320-340	.6	6.5	5.9	1.8								14.8	10.0	10.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	.7	//////	//////
TOTALS	6.3	31.3	38.5	18.4	4.0	.4	.1					100.0	11.0	11.0

TOTAL NUMBER OF OBSERVATIONS 877

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.9	4.7	2.0	.1	.1							7.9	7.8	7.0
020-040	.7	1.0	.2									2.0	5.6	5.0
050-070	.6	1.2	.1									1.9	6.8	7.0
(E) 080-100	.7	2.1	.9	.1								3.8	7.6	7.0
110-130	.3	1.5	.9	.3	.5	.1						3.7	11.0	9.5
140-160		.9	.7	.1								1.7	10.2	9.0
(S) 170-190	.3	.3		.3								1.0	9.3	8.0
200-220	.1	2.1	1.6	1.2	.6							5.6	11.7	10.5
230-250	.1	5.9	8.3	2.8	.5							17.6	11.3	11.0
(W) 260-280	.1	6.0	7.3	1.9	.1							15.4	10.4	10.0
290-310	.2	5.8	7.2	1.9								15.0	10.4	10.0
320-340	.6	13.4	8.9	.9	.1							24.0	9.0	9.0
VARIABLE														
CALM	//											.5	//////////	
TOTALS	4.6	44.9	38.1	9.6	1.9	.1						100.0	9.8	9.5

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.8	1.5										2.3	4.9	5.0
020-040	.2	.6										.8	5.1	5.0
050-070	.3	.9										1.2	5.4	5.0
(E) 080-100	.8	2.6	.7	.2								4.3	7.6	7.0
110-130	1.1	4.9	1.4	.7								8.0	8.4	8.0
140-160	1.8	7.8	.1	.1								9.9	6.1	6.0
(S) 170-190	2.6	8.0	.5	.2								11.3	5.9	5.0
200-220	1.6	7.5	.8	.5								10.3	6.6	6.0
230-250	1.8	9.3	1.4	.5	.1							13.0	7.0	6.0
(W) 260-280	2.0	11.3	2.4									15.7	7.0	7.0
290-310	1.9	6.6	1.9	.2								10.6	7.2	7.0
320-340	1.2	7.0	2.0	.1								10.4	7.3	7.0
VARIABLE														
CALM	//											2.0	//////////	
TOTALS	16.1	68.0	11.2	2.5	.1							100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 883

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.8	2.3	.5	.0	.0							3.7	6.7	6.0
020-040	.4	.8	.0									1.3	5.3	5.0
050-070	.6	1.0	.1	.0								1.8	5.7	5.0
(E) 080-100	.9	2.4	.5	.2	.1							4.0	7.1	6.0
110-130	1.8	9.5	2.7	.9	.2	.0						15.1	8.0	7.0
140-160	2.1	14.3	2.0	.2								18.6	6.9	7.0
(S) 170-190	1.8	5.4	1.0	.4	.1							8.8	7.1	6.0
200-220	1.2	3.0	2.6	1.2	.4	.0						8.4	9.9	9.0
230-250	1.0	3.6	2.9	1.4	.3	.0	.0					9.4	10.1	10.0
(W) 260-280	1.0	4.0	3.1	1.1	.2							9.4	9.4	9.0
290-310	1.0	4.0	3.2	1.0	.0							9.3	9.2	9.0
320-340	.8	4.8	2.6	.4	.0							8.6	8.4	8.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	1.7	////	////
TOTALS	13.4	55.1	21.2	6.8	1.3							100.0	8.1	7.0

TOTAL NUMBER OF OBSERVATIONS 7017

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	WIND SPEED IN KNOTS 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														
110-130	10.0											10.0	3.0	3.0
140-160		20.0	10.0									30.0	8.3	8.0
(S) 170-190		10.0										10.0	5.0	5.0
200-220														
230-250			10.0									10.0	11.0	11.0
(W) 260-280			10.0									10.0	13.0	13.0
290-310			10.0	10.0								20.0	15.5	15.5
320-340			10.0									10.0	13.0	13.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.0	//////////	
TOTALS	10.0	30.0	50.0	10.0								100.0	10.1	11.5

TOTAL NUMBER OF OBSERVATIONS 10

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.2										.6	4.6	4.0
020-040	.6	.3	.1									1.0	5.0	4.0
050-070	.9	1.0										1.9	5.0	5.0
(E) 080-100	1.7	3.1	.4									5.2	5.7	5.0
110-130	3.7	16.0	1.2	.1								21.0	6.2	6.0
140-160	2.8	22.8	.9									26.5	6.2	6.0
(S) 170-190	4.1	13.1	.4									17.6	5.7	6.0
200-220	2.8	3.7	1.2									7.6	6.2	6.0
230-250	2.0	4.0	.6									6.5	5.9	5.0
(W) 260-280	1.1	4.3	.7									6.1	6.7	7.0
290-310	.8	1.0	.2	.1								2.1	6.9	7.0
320-340	.1	.6	.3	.1								1.1	8.2	6.5
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	2.8	////	////
TOTALS	20.9	70.1	6.0	.3								100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 902

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.1										.3	4.3	4.0
020-040	.2	.1										.3	4.3	4.0
050-070	.4	.4										.9	5.0	5.0
(E) 080-100	1.2	3.6	.2						.1			5.2	6.8	6.0
110-130	3.4	23.1	2.2	.5								29.2	6.9	7.0
140-160	4.6	32.1	1.5									38.2	6.5	6.0
(S) 170-190	3.1	9.4	.3									12.8	5.7	5.0
200-220	1.1	2.1	.3									3.5	5.8	6.0
230-250	.7	.8	.1									1.5	5.4	5.5
(W) 260-280	.3	1.1	.3									1.8	7.6	8.5
290-310	1.0	.4	.5									2.0	6.7	5.0
320-340	.1	.8	.2									1.1	7.5	7.0
VARIABLE														
CALM	//											3.2	//////////	
TOTALS	16.3	74.0	5.6	.5					.1			100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 911

OPFRATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS: 06-08

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
	WIND SPEED IN KNOTS													
(N) 350-010	.2											.2	4.0	4.0
020-040	.1	.1										.2	5.5	5.5
050-070	.4	.3										.8	5.1	4.0
(E) 080-100	1.3	2.0	.1									3.5	5.2	5.0
110-130	2.1	16.5	2.9	1.5								23.0	7.8	7.0
140-160	3.4	35.0	4.0	.1								42.5	7.1	7.0
(S) 170-190	1.9	13.3	1.0	.2								16.4	6.7	7.0
200-220	1.0	2.5	.8	.1								4.4	6.7	6.0
230-250	.8	1.1	.3									2.2	6.1	5.5
(W) 260-280	.4	1.1	.2									1.8	6.1	6.0
290-310	1.0	.6	.4									2.0	6.3	5.0
320-340	.1	.7	.4	.2	.1							1.6	10.6	9.5
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	1.5	//////	//////
TOTALS	12.7	73.2	10.1	2.1	.1							100.0	7.0	7.0

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.7	1.9	.2									3.8	5.0	5.0
020-040	2.1	1.4										3.5	4.3	4.0
050-070	1.5	1.7										3.2	4.7	5.0
(E) 080-100	.9	2.3	.7	.2								4.1	7.4	6.0
110-130	3.3	4.5	1.3	2.3	.2							11.7	8.6	6.0
140-160	3.2	7.3	1.7									12.2	6.3	6.0
(S) 170-190	2.5	7.1	4.2	.9								14.7	8.4	8.0
200-220	3.0	5.3	3.4	1.4	.1							13.3	8.4	7.5
230-250	3.0	3.5	1.2	.1								7.8	6.2	5.0
(W) 260-280	2.7	3.3	.8									6.7	6.2	6.0
290-310	2.2	5.2	.9	.7								9.0	6.8	6.0
320-340	2.5	3.6	.2	.2								6.6	5.7	5.0
VARIABLE														
CALM	//											3.4	//////////	
TOTALS	28.6	47.1	14.6	5.8	.3							100.0	6.8	6.0

TOTAL NUMBER OF OBSERVATIONS 905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.9	.8									5.6	6.5	6.0
020-040	.6	2.9	.2									3.7	6.2	6.0
050-070	1.0	2.9	.1	.1								4.1	5.6	5.0
(E) 080-100	1.0	1.4	.7	.3								3.4	7.4	6.0
110-130	.6	1.9	2.1	.6								5.1	9.3	10.0
140-160	.6	1.6	.6	.1								2.8	7.1	6.0
(S) 170-190	1.1	2.5	2.5	.6	.1	.1						7.0	9.2	9.0
200-220	.8	4.2	4.4	2.7	1.1							13.2	11.7	11.0
230-250	1.0	5.1	6.6	1.9	.1							14.7	10.3	10.0
(W) 260-280	1.3	6.8	3.2	1.2								12.5	8.6	8.0
290-310	.9	7.2	5.1	1.0								14.2	9.0	8.0
320-340	1.6	7.8	3.4	.2								13.0	7.7	7.0
VARIABLE														
CALM	//////////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	.8	//////////	
TOTALS	11.5	48.2	29.7	8.7	1.3	.1						100.0	8.8	8.0

TOTAL NUMBER OF OBSERVATIONS 903

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.7	2.0	1.9									4.5	8.5	9.0
020-040	.4	1.2	.1	.2								2.0	6.8	6.0
050-070		2.0	.6	.1								2.7	8.1	7.0
(E) 080-100		.7	.9	.2								1.8	10.5	10.0
110-130		1.2	.6	.1	.2							2.1	9.9	8.0
140-160	.4	.6	.4	.1								1.5	8.4	8.5
(S) 170-190	.6	.8	1.8	.8								3.9	10.7	12.0
200-220	.6	2.3	5.2	4.1	.9	.2						13.3	13.3	13.5
230-250	1.0	3.4	9.8	4.4	.3							19.0	12.0	12.0
(W) 260-280	.1	5.2	8.0	2.8	.6							16.6	11.6	11.0
290-310	.8	9.1	8.3	2.1	.2	.1						20.6	10.1	10.0
320-340	.4	4.4	6.4	.4								11.7	9.9	10.0
VARIABLE														
CALM	//											.4	//////////	
TOTALS	5.0	32.9	44.0	15.3	2.2	.3						100.0	10.9	10.0

TOTAL NUMBER OF OBSERVATIONS 905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	4.0	1.3									5.6	7.6	7.5
020-040	.4	.6	.1									1.1	5.5	5.0
050-070	.3	.8	.3		.1							1.6	7.5	5.5
(E) 080-100	.1	.8	.1									1.0	6.8	7.0
110-130	.2	1.2	1.5									2.9	9.4	9.5
140-160	.3	.7	.3	.1								1.5	7.6	7.0
(S) 170-190	.1	.7	.6									1.3	8.4	7.5
200-220	.2	2.5	3.9	1.2	.1							7.9	11.0	12.0
230-250	.2	5.5	10.6	4.0	.3							20.7	11.5	11.0
(W) 260-280	.3	5.3	9.3	3.0	.2							18.1	11.2	11.0
290-310	.8	7.0	9.3	3.0	.1							20.2	10.5	10.0
320-340	.6	7.8	8.4	.2								17.0	9.4	10.0
VARIABLE														
CALM	//											.9	//////////	
TOTALS	3.9	36.9	45.7	11.5	.8							100.0	10.2	10.0

TOTAL NUMBER OF OBSERVATIONS 895

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.4	.1									2.7	5.3	5.0
020-040	.3	.4										.8	4.7	5.0
050-070	.5	.5										1.1	5.0	4.5
(E) 080-100	.4	2.1	.3									2.8	6.7	6.5
110-130	.8	3.4	1.3	.1								5.6	7.7	7.0
140-160	1.7	6.0	.1									7.9	5.9	6.0
(S) 170-190	1.2	7.1	.1									8.4	6.3	6.0
200-220	2.0	4.7	1.9		.2							8.7	7.2	6.0
230-250	2.2	9.2	2.5	.3								14.2	7.3	7.0
(W) 260-280	1.2	15.7	5.0	.1								22.1	7.7	7.0
290-310	1.0	9.1	4.7	.4								15.2	8.3	8.0
320-340	.8	5.7	1.6	.1								8.2	7.5	8.0
VARIABLE														
CALM	//////////											2.3	//////////	
TOTALS	13.3	65.3	17.6	1.0	.2							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 915

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 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	.7	1.7	.5									2.9	6.7	6.0
020-040	.6	.9	.1	.0								1.6	5.5	5.0
050-070	.6	1.2	.1	.0	.0							2.0	5.9	5.0
(E) 080-100	.8	2.0	.4	.1					.0			3.4	6.8	6.0
110-130	1.8	8.5	1.6	.6	.1							12.6	7.4	7.0
140-160	2.1	13.2	1.2	.1								16.6	6.6	6.0
(S) 170-190	1.8	6.7	1.4	.3	.0	.0						10.3	7.0	6.0
200-220	1.4	3.4	2.6	1.2	.3	.0						9.0	9.6	9.0
230-250	1.4	4.1	4.0	1.3	.1							10.8	9.6	9.0
(W) 260-280	.9	5.4	3.4	.9	.1							10.7	9.1	9.0
290-310	1.1	5.0	3.7	.9	.0	.0						10.6	9.1	9.0
320-340	.8	3.9	2.6	.2	.0							7.5	8.4	8.0
VARIABLE														
CALM	//											1.9	//////////	
TOTALS	14.0	56.0	21.6	5.6	.6							100.0	7.9	7.0

TOTAL NUMBER OF OBSERVATIONS 7231

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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 (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														
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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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										.8	5.3	5.0
020-040	.6											.6	3.2	3.0
050-070	1.0	.5										1.5	4.0	4.0
(E) 080-100	2.2	2.2	.3	.1								4.9	5.4	5.0
110-130	3.5	13.9	1.4	.6	.1							19.5	6.5	6.0
140-160	4.0	21.7	1.3	.3								27.3	6.3	6.0
(S) 170-190	3.7	12.9	.7									17.4	5.9	6.0
200-220	2.6	6.1	.2	.2								9.1	5.8	5.0
230-250	1.3	4.3	.7									6.3	6.2	6.0
(W) 260-280	.8	4.9	.6									6.3	6.7	7.0
290-310	.5	2.1	.7									3.3	6.7	6.0
320-340	.1	.3	.1									.6	6.2	6.0
VARIABLE														
CALM	//											2.6	//////////	
TOTALS	20.5	69.5	6.0	1.2	.1							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 858

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	4.0	4.0
020-040	.2											.2	3.5	3.5
050-070	1.1	.5										1.6	4.4	4.0
(E) 080-100	.7	2.4	.2									3.3	6.1	6.0
110-130	4.7	22.0	3.3	.2								30.1	6.8	6.0
140-160	4.8	33.4	1.9	.2								40.4	6.4	6.0
(S) 170-190	4.0	10.7	.3									15.0	5.7	5.5
200-220	.3	3.1	.5									3.9	6.6	6.0
230-250	.5	.7										1.1	5.5	5.0
(W) 260-280	.5	.3	.1									.9	5.9	5.0
290-310		.3										.3	5.3	5.0
320-340		.2										.2	6.0	6.0
VARIABLE														
CALM	//											2.6	//////////	
TOTALS	17.0	73.6	6.3	.4								100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 879

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	4.0	4.0
020-040	.1											.1	3.0	3.0
050-070	.7	.3										1.0	4.3	4.0
(E) 080-100	.7	1.6	.1		.1							2.5	6.1	5.0
110-130	1.9	12.6	2.7	.6								17.7	7.6	7.0
140-160	2.4	37.9	4.8	.1								45.2	7.0	7.0
(S) 170-190	4.4	16.3	1.5									22.2	6.4	6.0
200-220	1.3	3.1	.7									5.1	6.4	6.0
230-250	.6	.3										.9	4.1	4.0
(W) 260-280	.7	.3										1.0	4.0	3.0
290-310	.1	.3										.5	6.0	6.0
320-340	.3	.2										.6	4.4	3.0
VARIABLE														
CALM	//											2.9	//////////	
TOTALS	13.3	72.9	9.8	.7	.1							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 863

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.0	2.5										5.4	4.8	4.0
020-040	1.7	.7										2.4	3.9	4.0
050-070	2.6	2.0										4.7	4.4	4.0
(E) 080-100	1.7	1.2	.1	.5								3.5	6.4	5.0
110-130	4.7	4.3	1.9	.7	.2							11.8	7.0	5.0
140-160	2.6	6.0	.6	.2								9.4	6.2	6.0
(S) 170-190	3.5	7.0	2.2	.7	.1							13.5	7.3	7.0
200-220	3.1	4.2	3.3	1.1	.1							11.8	8.5	8.0
230-250	2.4	2.6	2.4									7.4	7.4	7.0
(W) 260-280	3.2	4.0	.2									7.4	5.3	5.0
290-310	3.1	4.8	.5									8.3	5.6	5.0
320-340	3.7	6.7	.8									11.2	5.6	5.0
VARIABLE														
CALM	//											3.2	//////////	
TOTALS	35.3	46.0	12.0	3.2	.4							100.0	6.2	5.0

TOTAL NUMBER OF OBSERVATIONS 881

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.5	4.6	1.5									7.5	6.8	6.0
020-040	1.0	2.2	.1									3.3	5.9	6.0
050-070	.9	1.8	.3	.1								3.2	6.4	5.5
(E) 080-100	.6	.9	.7									2.2	7.5	7.0
110-130	.3	1.5	1.3	.6	.1							3.8	10.1	10.0
140-160	.6	2.9	.6	.1								4.1	7.0	6.5
(S) 170-190	.1	2.5	1.8	.6	.1							5.1	9.7	9.0
200-220	.7	3.0	5.6	2.5	.3							12.1	11.2	11.0
230-250	1.1	6.1	5.1	1.1	.2							13.7	9.	9.0
(W) 260-280	1.5	6.6	5.4	.7								14.2	9.0	8.5
290-310	1.5	9.2	5.8	.7	.1							17.4	8.5	8.0
320-340	1.0	7.9	3.4	.5								12.8	8.1	8.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.7	//////////	
TOTAL	10.8	49.2	31.6	6.9	.8							100.0	8.7	8.0

TOTAL NUMBER OF OBSERVATIONS 876

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.7	3.4	1.6									5.7	7.5	7.0
020-040	.2	1.5	.2									1.9	6.6	6.0
050-070	.8	1.4	.6									2.8	6.8	6.0
(E) 080-100			.7	.1								.8	12.7	13.0
110-130	.5	.7	.7	.8								2.6	10.6	10.0
140-160	.2	.9	.5	.2	.2							2.1	10.3	7.5
(S) 170-190		1.9	1.1	.5								3.6	9.4	9.0
200-220	.2	1.9	4.9	3.0	.5							10.6	12.6	13.0
230-250	.5	5.4	8.1	4.0	.5							18.5	11.6	12.0
(W) 260-280	.2	4.6	8.3	1.7								14.8	10.7	11.0
290-310	.8	5.8	12.0	3.1	.1							21.9	11.0	11.0
320-340	.1	5.3	7.2	1.8								14.4	10.6	10.0
VARIABLE														
CALM	//											.3	//////////	
TOTALS	4.2	32.8	45.9	15.2	1.3							100.0	10.7	11.0

TOTAL NUMBER OF OBSERVATIONS 872

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	2.8	2.4	.3								5.9	9.3	9.0
020-040	.3	.9	.2									1.5	6.6	7.0
050-070	.6	1.0	.6									2.2	7.3	6.0
(E) 080-100	.2	1.2	.6	.1								2.1	8.6	8.0
110-130	.1	1.2	1.3	.2	.1							2.9	10.3	10.0
140-160	.2	.5	.9	.6								2.2	11.6	11.0
(S) 170-190	.5	.5	1.0	.3	.1							2.4	10.6	10.0
200-220	.2	1.4	3.0	1.0								5.7	11.1	12.0
230-250	.1	5.1	9.4	2.5	.1							17.3	11.0	11.0
(W) 260-280	.1	6.3	10.5	1.5								18.4	10.7	11.0
290-310	.5	5.4	12.2	3.4	.1							21.6	11.4	12.0
320-340	.1	6.1	9.5	1.9								17.6	10.6	10.0
VARIABLE														
CALM	//////////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	.2	//////////	
TOTALS	3.2	32.4	51.6	11.8	.4							100.0	10.6	10.0

TOTAL NUMBER OF OBSERVATIONS 863

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	2.9	.3									4.2	6.2	6.0
020-040	.2	.1										.3	4.0	4.0
050-070	.8	1.1	.2									2.2	5.8	5.0
(E) 080-100	.5	1.3	.2									1.9	6.9	7.0
110-130	.6	3.7	1.1	.2	.2	.1						5.9	8.6	7.0
140-160	.8	3.4	.7	.2								5.1	7.1	6.0
(S) 170-190	1.3	4.7	.9									6.8	6.4	6.0
200-220	1.5	5.3	.8	.2								7.8	6.7	6.0
230-250	1.5	8.6	1.5									11.5	6.7	6.0
(W) 260-280	1.7	16.9	6.1	.1								24.8	7.8	7.0
290-310	1.7	10.5	5.5	.2								17.9	8.0	8.0
320-340	.9	6.4	2.3	.2								9.8	7.8	7.0
VARIABLE														
CALM	//											1.6	//////////	
TOTALS	12.5	64.9	19.6	1.1	.2	.1						100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 876

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.9	2.1	.7	.0								3.8	6.9	6.0
020-040	.6	.7	.1									1.3	5.4	5.0
050-070	1.1	1.1	.2	.0								2.4	5.5	5.0
(E) 080-100	.8	1.3	.4	.1	.0							2.7	6.7	6.0
110-130	2.0	7.5	1.7	.5	.1	.0						11.8	7.3	7.0
140-160	2.0	13.3	1.4	.3	.0							16.9	6.8	6.0
(S) 170-190	2.2	7.1	1.2	.3	.0							10.7	6.7	6.0
200-220	1.2	3.5	2.4	1.0	.1							8.3	9.0	8.0
230-250	1.0	4.1	3.4	1.0	.1							9.6	9.3	9.0
(W) 260-280	1.1	5.5	3.9	.5								11.0	8.7	8.0
290-310	1.0	4.8	4.6	.9	.0							11.4	9.3	9.0
320-340	.8	4.2	2.9	.5								8.4	8.8	8.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.8	//////////	
TOTALS	14.7	55.2	22.9	5.1	.3							100.0	7.8	7.0

TOTAL NUMBER OF OBSERVATIONS 6968

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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.

DIRECTION	WIND SPEED IN KNOTS 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														
110-130						50.0						50.0	28.0	25.0
140-160														
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310		50.0										50.0	8.0	8.0
320-340														
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.0	//////////	
TOTALS		50.0				50.0						100.0	18.0	16.5

TOTAL NUMBER OF OBSERVATIONS 2

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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										.C	5.1	5.0
020-040	.3	.2	.1									.7	5.7	4.5
050-070	.8	1.5	.3									2.6	6.2	6.0
(E) 080-100	.7	2.1	.7	.1								3.6	7.1	6.0
110-130	3.0	13.6	4.1	.9	.1			.1				21.9	7.7	7.0
140-160	3.7	19.7	2.9	.2								26.5	6.7	6.0
(S) 170-190	4.2	15.2	2.6	.2								22.2	6.6	6.0
200-220	1.9	4.8	2.1	.4								9.3	7.5	6.0
230-250	.4	2.8	.3									3.6	6.5	6.0
(W) 260-280	.4	2.5	.2									3.1	6.8	7.0
290-310	.3	1.3	.4	.2								2.3	7.6	6.0
320-340	.6	.7										1.2	5.0	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.2	//////	//////
TOTALS	16.5	65.0	13.7	2.0	.1			.1				100.0	6.8	6.0

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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										.8	5.0	5.0
020-040	.1	.3	.1									.6	6.2	5.0
050-070	.6	.9										1.5	5.2	5.0
(E) 080-100	1.5	3.3	.1									4.9	5.8	5.5
110-130	2.7	17.3	4.6	.7	.1							25.3	7.5	7.0
140-160	4.5	27.0	2.7									34.2	6.6	6.0
(S) 170-190	3.9	13.7	2.3		.1							20.1	6.5	6.0
200-220	2.3	3.2	.7	.2								6.5	6.2	6.0
230-250	1.1	1.6										2.7	5.1	5.0
(W) 260-280	.6	.4	.1									1.1	5.5	5.0
290-310		.1	.1	.1								.3	12.0	14.0
320-340	.1		.1									.2	7.5	7.5
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.9	//////////	//////////
TOTALS	17.7	68.2	10.8	1.0	.2							100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 896

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.9											.9	3.6	4.0
020-040	.2	.1	.1									.5	6.3	4.5
050-070	.8	.2										1.0	4.0	3.0
(E) 080-100	.5	1.7	.2									2.4	6.0	5.0
110-130	2.6	11.1	3.0	.2								17.0	7.4	7.0
140-160	3.6	28.8	3.2	.1								35.7	6.9	7.0
(S) 170-190	5.3	16.2	3.0	.2								24.8	6.6	6.0
200-220	1.5	5.0	.9	.1								7.4	6.1	5.5
230-250	2.0	1.1	.1									3.3	4.7	4.0
(W) 260-280	.3	.6										.9	4.5	5.0
290-310	.3	.8	.1									1.2	5.4	5.0
320-340	.5	.2										.7	3.8	3.5
VARIABLE														
CALM	//											4.3	//////////	
TOTALS	18.5	65.8	10.6	.6								100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 888

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.0	3.3	.2									6.5	5.0	5.0
020-040	1.7	1.7										3.4	4.6	4.5
050-070	1.6	1.0	.1									2.7	4.7	4.0
(E) 080-100	2.4	1.8	.6									4.7	5.5	4.5
110-130	2.6	5.1	3.4	.9	.1							12.0	8.4	7.0
140-160	2.8	6.4	1.8	.5								11.5	6.9	6.0
(S) 170-190	2.3	8.3	1.7									12.3	6.5	6.0
200-220	3.8	4.8	1.1	.1								9.9	5.8	5.0
230-250	4.4	3.3	.1	.2								8.0	5.2	4.0
(W) 260-280	2.6	4.2	.5									7.2	5.6	5.0
290-310	2.8	5.7	.3									8.9	5.6	5.0
320-340	2.7	5.3	.6									8.6	6.0	6.0
VARIABLE														
CALM	//											4.3	//////////	
TOTALS	32.7	50.9	10.4	1.7	.1							100.0	5.9	5.0

TOTAL NUMBER OF OBSERVATIONS 888

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	2.0	7.2	1.7		.1							11.0	7.2	7.0
020-040	1.1	2.2	.4									3.8	6.3	6.0
050-070	1.4	2.6	.3									4.3	5.7	5.0
(E) 080-100	.7	1.4	.7	.1								2.9	7.0	6.0
110-130	.8	2.9	1.6	.3			.1					5.7	8.5	8.0
140-160	.9	2.5	1.4	.7								5.5	8.5	7.0
(S) 170-190	1.6	2.2	1.2									5.0	6.8	6.0
200-220	1.0	3.5	2.0	.3	.2							7.0	8.4	8.0
230-250	1.7	6.4	1.7	.9	.1							10.7	8.0	7.0
(W) 260-280	.9	7.8	2.7	.4								11.8	7.8	7.0
290-310	1.1	10.9	4.3	.2								16.6	7.9	8.0
320-340	1.4	8.6	4.6	.2								14.8	8.2	8.0
VARIABLE														
CALM	//											.8	//////////	
TOTALS	14.6	58.2	22.6	3.1	.4		.1					100.0	7.7	7.0

TOTAL NUMBER OF OBSERVATIONS 897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	4.2	4.4	.3								9.3	9.4	10.0
020-040	.3	1.5	.2									2.1	6.9	7.0
050-070	.2	1.5	.4									2.2	7.5	8.0
(E) 080-100	.3	1.1	.6	.3								2.3	8.9	8.0
110-130	.7	2.0	1.8	.6								5.0	9.0	8.0
140-160	.6	2.1	.9	.2	.1							3.9	8.7	8.0
(S) 170-190	.7	1.5	1.7	1.3	.2							5.4	10.8	10.0
200-220	.6	3.2	2.7	.8	.3							7.5	10.1	9.5
230-250	1.0	4.0	4.2	.6	.1							9.8	9.1	9.0
(W) 260-280	.3	5.7	6.4	.9	.2	.1						13.7	10.2	10.0
290-310	1.1	9.3	9.4	1.5								21.3	9.6	10.0
320-340	1.0	6.0	8.3	1.5								16.8	10.1	10.0
VARIABLE														
CALM	//											.7	//////////	
TOTALS	7.1	42.1	41.0	8.0	.5	.1						100.0	9.6	10.0

TOTAL NUMBER OF OBSERVATIONS 905

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.6	2.6	2.4	.3	.1							6.0	9.2	9.0
020-040	.3	.6	.3									1.2	6.4	5.0
050-070	.5	1.8	1.1	.1	.1	.2	.1					4.0	10.4	8.0
(E) 080-100	.6	2.4	1.4	.5	.3	.1						5.2	10.0	9.0
110-130	.3	3.9	1.8	.5					.1			6.6	9.3	8.0
140-160	.1	4.0	1.9	.8	.1							6.9	9.6	9.0
(S) 170-190	1.1	3.2	4.0	1.0	.2	.2						9.8	10.3	10.0
200-220	1.2	2.2	1.9	.3	.2							5.9	8.8	8.0
230-250	.2	3.1	3.3	.6	.1							7.3	9.7	10.0
(W) 260-280	1.0	4.3	4.4	.7								10.4	9.3	9.0
290-310	.2	5.6	7.8	1.2	.1							15.0	10.3	10.0
320-340	.6	6.7	11.1	2.5								20.9	10.7	10.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	.8	////	////
TOTALS	6.7	40.4	41.4	8.5	1.2	.5	.1		.1			100.0	9.8	10.0

TOTAL NUMBER OF OBSERVATIONS 881

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.6	.7									2.7	7.4	7.0
020-040	.1	.4	.3									.9	7.9	8.5
050-070	.2	.9	.8	.1								2.0	8.8	8.5
(E) 080-100	1.0	2.1	1.4	.1	.3							5.0	8.5	7.0
110-130	1.6	5.7	3.3	1.4	.7							12.6	9.6	8.0
140-160	1.7	8.9	4.2	.6	.1							15.4	8.2	8.0
(S) 170-190	1.9	11.0	2.3	1.0								17.1	7.5	7.0
200-220	1.1	6.4	1.1	1.1								9.8	7.6	6.0
230-250	1.4	4.2	1.0									6.7	6.6	6.0
(W) 260-280	1.7	7.3	2.1									11.1	7.1	7.0
290-310	.9	4.5	1.9	.1								7.4	7.6	7.0
320-340	.7	5.3	2.0									8.0	7.8	7.0
VARIABLE														
CALM	//											1.4	//////////	
TOTALS	12.7	59.2	21.1	4.4	1.1							100.0	7.8	7.0

TOTAL NUMBER OF OBSERVATIONS 902

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 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	1.0	2.5	1.2	.1	.0							4.8	7.5	7.0
020-040	.5	.9	.2									1.6	6.0	5.0
050-070	.8	1.3	.4	.0	.0	.0	.0					2.5	6.9	6.0
(E) 080-100	.9	2.0	.7	.1	.1	.0						3.9	7.4	6.0
110-130	1.8	7.7	3.0	.7	.1		.0	.0	.0			13.3	8.1	7.0
140-160	2.2	12.4	2.4	.4	.0							17.4	7.2	7.0
(S) 170-190	2.6	9.0	2.3	.5	.1	.0						14.6	7.2	6.5
200-220	1.7	4.1	1.6	.4	.1							7.9	7.5	6.0
230-250	1.5	3.3	1.3	.3	.0							6.5	7.4	6.0
(W) 260-280	1.0	4.1	2.1	.3	.0	.0						7.4	8.1	7.0
290-310	.9	4.8	3.1	.4	.0							9.2	8.6	8.0
320-340	.9	4.1	3.3	.5								8.9	8.9	9.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.0	//////////	
TOTALS	15.8	56.2	21.6	3.7	.4							100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 7152

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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.

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	100.0											100.0	4.0	4.0
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	100.0											100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.7										.8	5.7	5.0
020-040	.1	.1	.1									.3	6.7	6.0
050-070	.5	1.9										2.4	6.0	6.0
(E) 080-100	1.0	3.2	1.1	.2								5.5	7.3	6.0
110-130	2.7	16.4	4.9	.6	.1							24.6	7.6	7.0
140-160	2.7	21.7	2.7		.1							27.2	6.8	7.0
(S) 170-190	6.4	13.9	1.8	.2								22.3	6.1	6.0
200-220	1.0	4.1	.6									5.6	6.2	6.0
230-250	1.2	2.1	.3									3.7	5.8	5.0
(W) 260-280	.7	2.1	.3									3.2	6.4	6.0
290-310	.5	.8	.2									1.5	6.5	6.0
320-340		.2	.1	.1	.1							.6	13.0	12.0
VARIABLE														
CALM	//											2.3	//////////	
TOTALS	16.9	67.2	12.1	1.1	.3							100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 886

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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										.6	5.2	5.0
020-040	.2	.1										.3	4.7	4.0
050-070	.4	.8	.4									1.7	6.9	6.0
(E) 080-100	1.2	3.6	1.1									5.9	6.6	6.0
110-130	2.3	18.7	5.6	.4								27.0	7.7	7.0
140-160	5.6	28.7	3.2									37.5	6.7	7.0
(S) 170-190	5.3	12.0	.8									18.1	5.6	5.0
200-220	2.3	1.3	.1	.1								3.9	4.9	4.0
230-250	.8	.4										1.2	4.5	4.0
(W) 260-280	.7	.2		.1								1.0	5.1	3.0
290-310	.1	.7	.1									.9	6.8	7.0
320-340	.1	.1										.2	4.0	4.0
VARIABLE														
CALM	//											1.7	//////////	
TOTALS	19.1	67.0	11.3	.6								100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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										.4	3.5	3.0
020-040	.1	.2										.3	5.0	5.0
050-070	.3	.3	.3									1.0	7.1	5.0
(E) 080-100	.9	3.5	.7	.4								5.5	7.6	7.0
110-130	2.8	18.3	4.5	.8								26.3	7.6	7.0
140-160	3.2	32.1	4.1									39.4	7.0	7.0
(S) 170-190	4.0	12.8	.9									17.7	6.1	6.0
200-220	1.7	2.8	.2									4.7	5.4	5.0
230-250	1.3	.8										2.1	4.3	4.0
(W) 260-280	.1	.1										.2	5.5	5.5
290-310	.6	.3										.9	4.1	4.0
320-340	.1		.1									.2	8.0	8.0
VARIABLE														
CALM	//											1.2	//////////	
TOTALS	15.4	71.3	10.8	1.2								100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 898

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.8	3.0	.1									3.9	5.6	5.0
020-040	.9	.7										1.6	4.1	4.0
050-070	1.7	2.6										4.2	5.1	5.0
(E) 080-100	2.6	2.2	.7	.8								6.2	6.9	5.0
110-130	3.1	6.6	4.1	2.3	.3				.1			16.6	9.1	8.0
140-160	4.4	9.1	1.7	.1						.1		15.4	6.5	6.0
(S) 170-190	6.1	9.4	1.1									16.7	5.7	5.0
200-220	3.0	3.9	.8									7.7	5.8	5.0
230-250	2.8	2.4	.1									5.3	4.6	4.0
(W) 260-280	2.6	2.8	.1									5.4	5.1	5.0
290-310	2.8	4.7	.1									7.6	5.2	5.0
320-340	3.1	2.6	.2									5.9	5.0	4.0
VARIABLE														
CALM	//											3.6	//////////	
TOTALS	33.9	50.0	9.0	3.2	.3				.1	.1		100.0	6.0	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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.6	5.7	.2									7.5	5.9	6.0
020-040	1.6	3.6	.2									5.4	5.8	5.0
050-070	1.5	3.1	.7									5.3	6.1	6.0
(E) 080-100	1.1	2.9	.9	.2								5.2	7.0	6.0
110-130	1.0	3.4	3.6	.7	.1							8.8	9.6	9.5
140-160	.7	3.8	.4	.1								5.1	6.8	7.0
(S) 170-190	1.3	4.4	1.0	.1								6.9	6.7	6.0
200-220	1.9	5.7	1.2									8.9	6.8	6.0
230-250	2.4	6.5	.7	.6								10.1	6.5	6.0
(W) 260-280	2.4	7.9	1.9	.3								12.5	7.0	6.0
290-310	2.6	7.2	3.0									12.8	7.1	7.0
320-340	1.8	7.0	1.8	.1								10.7	7.0	7.0
VARIABLE														
CALM	//											1.0	//////////	
TOTALS	19.9	61.2	15.6	2.1	.1							100.0	6.9	6.0

TOTAL NUMBER OF OBSERVATIONS 890

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: AUG HOURS: 15-17

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
	WIND SPEED IN KNOTS													
(N) 350-010	1.3	3.8	2.2									7.3	7.4	7.0
020-040	.4	2.7	.2									3.3	6.5	6.0
050-070	1.0	2.4	1.4	.1								5.0	7.7	7.0
(E) 080-100	.8	3.4	1.3	.1								5.6	7.4	7.0
110-130	.3	3.2	2.7	.7	.1							7.0	9.5	9.0
140-160	.4	3.0	1.1	.6	.1	.2						5.4	9.7	8.0
(S) 170-190	1.0	2.9	2.7	.8	.3							7.6	9.9	9.0
200-220	.8	2.9	1.7	.6	.1							6.0	9.3	8.0
230-250	1.0	7.1	2.4	.4								11.0	7.9	7.0
(W) 260-280	.9	6.9	5.1	1.1	.1							14.0	9.4	9.0
290-310	1.0	7.4	6.1	.8	.2							15.5	9.3	9.0
320-340	1.0	6.4	3.5		.1							11.1	8.2	8.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.2	//////	//////
TOTALS	9.9	52.1	30.4	5.2	1.0	.2						100.0	8.6	8.0

TOTAL NUMBER OF OBSERVATIONS 904

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.7	1.2	.1								5.3	7.7	7.0
020-040	.4	1.1	.3		.1							2.0	7.3	6.0
050-070	.9	2.8	1.2	.1	.1							5.1	7.9	7.0
(E) 080-100	1.2	2.6	2.2	.4	.2							6.7	8.9	8.5
110-130	1.4	4.0	2.7	1.6	.2							9.9	9.5	9.0
140-160	.4	4.8	3.0	.2								8.5	8.9	8.0
(S) 170-190	.9	5.3	2.9	.7		.1						9.9	8.7	8.0
200-220	.9	4.2	1.4	.3								6.9	7.7	7.0
230-250	.8	4.6	2.4	.1								7.9	8.5	8.0
(W) 260-280	1.3	6.3	4.2	.4								12.3	8.3	8.0
290-310	.4	6.8	4.6	.4	.1							12.3	9.0	9.0
320-340	1.0	6.9	4.1	.3								12.3	8.5	8.0
VARIABLE														
CALM	//											.8	//////////////	
TOTALS	9.9	53.1	30.2	4.6	.7	.1						100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.5	.3	.1								2.4	7.1	6.0
020-040	.4	1.0										1.4	4.8	5.0
050-070	1.1	2.5		.2								3.8	5.8	5.0
(E) 080-100	.8	4.8	1.3	.2								7.1	7.3	7.0
110-130	1.5	7.2	3.6	1.9	.2							14.5	9.1	8.0
140-160	2.1	11.3	4.2	.1	.2							17.9	7.7	7.0
(S) 170-190	2.5	11.8	3.3	.2								17.9	7.1	6.0
200-220	2.5	3.3	1.1	.2								7.1	6.2	5.0
230-250	2.3	3.8	.5	.2								6.9	6.2	5.0
(W) 260-280	1.8	4.9	.8	.1								7.6	6.2	6.0
290-310	1.3	4.5	.7	.2								6.7	6.6	6.0
320-340	.8	3.8	.8		.1							5.5	7.0	6.0
VARIABLE														
CALM	//											1.3	//////////	
TOTALS	17.5	60.4	16.6	3.4	.5							100.0	7.1	6.0

TOTAL NUMBER OF OBSERVATIONS 913

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: AUG HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 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	.6	2.4	.5	.0								3.5	6.6	6.0
020-040	.5	1.2	.1		.0							1.8	5.9	5.0
050-070	.9	2.1	.5	.1	.0							3.6	6.6	6.0
(E) 080-100	1.2	3.3	1.2	.3	.0							6.0	7.4	7.0
110-130	1.9	9.7	3.9	1.1	.1				.0			16.8	8.3	8.0
140-160	2.4	14.3	2.6	.1	.1	.0				.0		19.5	7.1	7.0
(S) 170-190	3.4	9.1	1.8	.3	.0	.0						14.6	6.6	6.0
200-220	1.8	3.5	.9	.2	.0							6.3	6.6	6.0
230-250	1.6	3.5	.8	.2								6.0	6.7	6.0
(W) 260-280	1.3	3.9	1.6	.3	.0							7.0	7.5	7.0
290-310	1.2	4.0	1.9	.2	.0							7.3	7.7	7.0
320-340	1.0	3.4	1.3	.1	.0							5.8	7.5	7.0
VARIABLE														
CALM	//											1.6	//////////	
TOTALS	17.8	60.4	17.1	2.9	.2							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 7189

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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 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	20.0											20.0	3.0	3.0
020-040														
050-070														
(E) 080-100														
110-130														
140-160				20.0								20.0	16.0	16.0
(S) 170-190				20.0								20.0	19.0	19.0
200-220		20.0										20.0	6.0	6.0
230-250														
(W) 260-280														
290-310					20.0							20.0	20.0	20.0
320-340														
VARIABLE														
CALM	//////////											.0	//////////	
TOTALS	20.0	20.0		40.0	20.0							100.0	12.8	16.0

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP HOURS: 00-02

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	.5	.7										1.1	5.0	5.5
020-040	.1	.3										.5	4.5	5.0
050-070	.6	.6										1.1	4.9	4.5
(E) 080-100	1.3	3.3	.8	.2								5.6	6.9	6.0
110-130	4.5	18.6	5.5	1.3	.7							30.5	7.8	7.0
140-160	3.8	29.2	1.6	.1								34.7	6.5	6.0
(S) 170-190	3.1	11.2	.9									15.3	6.1	6.0
200-220	.9	2.1	.3									3.3	6.2	6.0
230-250	.6	1.7		.1								2.4	5.7	5.0
(W) 260-280	.7	.7	.1									1.5	5.4	5.0
290-310	.7	.5	.1									1.3	5.3	4.0
320-340	.2	.5	.2									.9	6.5	5.5
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	1.7	//////	//////
TOTALS	17.0	69.4	9.5	1.7	.7							100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 872

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	5.0	5.0
020-040	.8	.1										.9	3.6	3.0
050-070	.5	.5										.9	4.9	4.5
(E) 080-100	1.2	2.5	.6	.2								4.5	7.1	6.0
110-130	4.8	20.5	7.0	1.4								33.7	7.7	7.0
140-160	5.0	32.1	2.9									40.0	6.6	6.0
(S) 170-190	3.5	8.0	1.0									12.6	5.8	6.0
200-220	1.2	1.7	.5									3.4	6.1	5.0
230-250	.8	.7	.1									1.6	5.4	4.5
(W) 260-280	.2	.2	.2									.7	6.5	5.5
290-310	.1											.1	4.0	4.0
320-340	.1											.1	4.0	4.0
VARIABLE														
CALM	//											1.4	//////////	
TOTALS	18.2	66.4	12.3	1.6								100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 882

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.5	3.5
020-040	.5	.1										.6	4.0	4.0
050-070	.5	.3	.1									.9	5.5	4.5
(E) 080-100	.7	2.2	.9	.1								3.9	7.4	7.0
110-130	2.2	19.0	8.8	2.1	.1							32.1	8.6	8.0
140-160	3.5	30.9	8.5									42.9	7.4	7.0
(S) 170-190	1.9	8.6	.9	.1								11.5	6.1	6.0
200-220	1.3	1.1	.2	.2								2.9	6.0	5.0
230-250	.6	.5	.1									1.1	5.6	4.5
(W) 260-280	.2	.2										.5	4.5	4.5
290-310	.6	.6										1.1	5.4	5.0
320-340	.7	.1										.8	3.9	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.5	//////	//////
TOTALS	12.9	63.6	19.5	2.5	.1							100.0	7.4	7.0

TOTAL NUMBER OF OBSERVATIONS 875

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.5	1.0										2.5	4.6	4.0
020-040	1.1	.3										1.5	3.8	4.0
050-070	1.0	.3	.1									1.5	4.3	3.0
(E) 080-100	1.5	1.3	.6	.6	.1							4.0	7.8	6.0
110-130	4.0	7.3	5.3	5.2	1.0							22.8	10.3	10.0
140-160	4.8	14.2	3.6	.2								22.8	6.9	6.0
(S) 170-190	4.4	8.6	2.8	.8								16.7	7.2	7.0
200-220	3.6	2.7	1.5	.3								8.2	6.6	5.0
230-250	2.6	2.3	.3	.2								5.5	5.6	5.0
(W) 260-280	1.9	.9										2.8	4.3	4.0
290-310	2.0	1.6	.1	.1								3.9	5.1	4.0
320-340	2.2	2.0	.1									4.3	5.0	4.5
VARIABLE														
CALM	//											3.5	//////////	
TOTALS	30.6	42.5	14.4	7.4	1.1							100.0	7.0	6.0

TOTAL NUMBER OF OBSERVATIONS 880

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP HOURS: 12 13

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	4.5	.6									6.2	6.4	6.0
020-040	.8	2.3	.3									3.5	6.4	6.0
050-070	.9	2.0	.1	.1								3.1	6.4	6.0
(E) 080-100	1.3	3.6	1.4	.3								6.6	7.9	7.0
110-130	.7	3.7	4.1	2.8	.8							12.1	11.6	12.0
140-160	1.0	3.6	1.3	.1	.1							6.1	7.3	6.0
(S) 170-190	1.5	3.9	2.6	1.3	.3							9.7	9.5	9.0
200-220	.7	3.9	4.1	2.4		.1						11.3	10.6	10.0
230-250	1.6	3.8	2.0	1.2								8.5	8.6	8.0
(W) 260-280	1.5	5.3	2.0	.1		.1						9.0	7.5	7.0
290-310	1.6	7.8	1.8	.1								11.4	7.2	7.0
320-340	2.0	7.2	2.3	.1								11.6	7.2	7.0
VARIABLE														
CALM	//											1.0	//////////	
TOTALS	14.8	51.6	22.6	8.5	1.2	.2						100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 869

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIREC ION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.7	3.7	1.5									5.8	7.7	8.0
020-040	.6	2.3	.5									3.3	6.8	7.0
050-070	.5	2.6	.3	.1								3.5	6.8	6.0
(E) 080-100	.9	3.3	2.5	.2								7.0	8.4	9.0
110-130	.9	1.7	3.3	1.6	.2							7.8	11.1	12.0
140-160		1.9	.5		.1							2.5	8.7	8.0
(S) 170-190	.7	1.6	2.2	.7								5.1	9.5	10.0
200-220	1.0	2.7	5.5	2.4	.5			.1				12.2	11.5	12.0
230-250	1.1	3.4	6.9	1.3	.1	.1						12.9	10.6	11.0
(W) 260-280	.9	4.5	4.0	.6								10.0	8.8	9.0
290-310	1.0	7.0	6.2	.9	.1							15.2	9.3	9.0
320-340	1.5	7.0	4.1	.8	.3							13.7	8.7	8.0
VARIABLE														
CALM	//											.8	//////////	
TOTALS	9.8	41.7	37.5	8.6	1.3	.1		.1				100.0	9.3	9.0

TOTAL NUMBER OF OBSERVATIONS 874

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.8	3.9	1.3							.1		6.0	8.3	8.0
020-040	.5	.3										.8	5.0	4.0
050-070	.7	.8	.2									1.7	5.6	5.0
(E) 080-100	1.1	4.7	1.5									7.3	7.3	7.0
110-130	.5	4.0	4.1	.5	.2		.1					9.4	10.2	10.0
140-160	.9	2.6	1.0	.1	.2							4.9	7.9	7.0
(S) 170-190	.8	3.1	1.0	.2								5.1	7.4	6.0
200-220	.8	3.8	2.6	.2	.3							7.8	8.8	7.0
230-250	.9	5.6	3.4	.7	.1							10.7	8.9	8.0
(W) 260-280	1.1	8.2	2.6	.1								12.1	7.4	7.0
290-310	.9	7.8	4.0	.6								13.2	8.2	7.0
320-340	1.0	11.7	6.0	.7	.1					.1		19.7	8.8	8.0
VARIABLE														
CALM	//											1.3	//////////	
TOTALS	10.0	56.5	27.7	3.1	.9		.1			.2		100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 877

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.5	.6										1.0	4.7	5.0
020-040	.7	.3										1.0	4.1	4.0
050-070	.7	1.0	.1									1.8	5.4	5.0
(E) 080-100	1.2	2.6	1.2	.2								5.3	7.3	7.0
110-130	2.0	9.2	5.5	1.1	.1							18.0	8.5	8.0
140-160	3.7	13.8	1.0									18.6	6.0	6.0
(S) 170-190	2.9	13.3	1.1	.2								17.6	6.3	6.0
200-220	3.2	5.4	.9									9.5	5.8	5.0
230-250	1.5	3.5	.3	.3								5.7	6.4	5.5
(W) 260-280	1.6	5.7	1.1									8.4	6.6	6.0
290-310	1.6	4.0	1.1									6.7	7.1	7.0
320-340	.5	2.8	.7									4.0	6.8	7.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.5	//////////	//////////
TOTALS	20.1	62.2	13.0	1.8	.1							100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 884

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.7	1.8	.4							.0		2.9	6.9	6.0
020-040	.6	.8	.1									1.5	5.5	5.0
050-070	.7	1.0	.1	.0								1.8	5.8	5.0
(E) 080-100	1.2	2.9	1.2	.2	.0							5.5	7.5	7.0
110-130	2.4	10.5	5.5	2.0	.4		.0					20.8	8.9	8.0
140-160	2.9	16.1	2.6	.1	.1							21.6	6.8	7.0
(S) 170-190	2.4	7.3	1.6	.4	.0							11.7	6.9	6.0
200-220	1.6	2.9	2.0	.7	.1	.0		.0				7.3	8.5	7.0
230-250	1.2	2.7	1.6	.5	.0	.0						6.0	8.3	7.5
(W) 260-280	1.0	3.2	1.3	.1		.0						5.6	7.3	7.0
290-310	1.1	3.6	1.7	.2	.0							6.6	7.8	7.0
320-340	1.0	3.9	1.7	.2	.1					.0		6.9	7.9	7.0
VARIABLE														
CALM	//											1.7	//////////	
TOTALS	16.8	56.7	19.8	4.4	.7							100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 7013

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
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.

DIRECTION	WIND SPEED IN KNOTS 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		8.3										8.3	5.0	5.0
020-040	8.3											8.3	4.0	4.0
050-070	8.3											8.3	4.0	4.0
(E) 080-100		8.3										8.3	6.0	6.0
110-130														
140-160			8.3									8.3	11.0	11.0
(S) 170-190														
200-220														
230-250														
(W) 260-280		16.7										16.7	7.0	7.0
290-310			8.3									8.3	13.0	13.0
320-340		25.0										25.0	6.3	6.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	8.3	//////////	
TOTALS	16.6	58.3	16.6									100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 12

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.1	.1									.4	5.5	4.5
020-040	.2	.1	.2									.6	7.6	8.0
050-070	.6	.8	.1									1.4	5.5	5.0
(E) 080-100	1.0	3.1										4.1	5.5	5.0
110-130	3.9	20.2	4.2	1.1								29.3	7.2	6.0
140-160	5.5	34.9	.9	.1								41.4	6.2	6.0
(S) 170-190	2.9	8.5	.4									11.8	5.7	5.0
200-220	1.9	1.8	.1									3.7	4.9	4.5
230-250	.8	1.5	.4									2.8	6.0	5.0
(W) 260-280	.3	.4	.2									1.0	6.9	7.0
290-310	.3	.4	.3									1.1	7.1	6.5
320-340		.2										.2	9.0	9.0
VARIABLE														
CALM	//											2.2	//////////	
TOTALS	17.6	72.0	6.9	1.2								100.0	6.2	6.0

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT HOURS: 03-05

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
	WIND SPEED IN KNOTS													
(N) 350-010	.3	.8	.1									1.2	6.2	6.0
020-040	.1	.2										.3	5.0	5.0
050-070	.3	.5										.9	4.9	5.0
(E) 080-100	.5	3.9	.8	.1								5.4	7.1	6.0
110-130	4.6	24.6	4.5	1.2	.2							35.1	7.3	7.0
140-160	5.1	32.2	2.2									39.5	6.6	7.0
(S) 170-190	2.6	4.9										7.5	5.1	5.0
200-220	1.1	.5	.3									2.0	5.9	4.0
230-250	1.6	1.1										2.7	4.3	4.0
(W) 260-280	.4	.8	.1									1.3	5.9	5.5
290-310	.3	.4	.1									.9	6.6	6.5
320-340	.5	.4	.3									1.3	7.1	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	1.9	//////	//////
TOTALS	17.4	70.3	8.4	1.3	.2							100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 914

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.6										.7	5.8	5.0
020-040	.4	.1	.1									.7	5.3	3.5
050-070	1.0	.6										1.6	4.6	4.0
(E) 080-100	.9	1.4	.7	.1	.1							3.2	7.6	6.0
110-130	2.5	17.7	6.3	1.1	.2	.1						28.0	8.3	8.0
140-160	4.2	36.4	9.2									49.8	7.5	7.0
(S) 170-190	3.1	5.3	.1									8.5	5.5	5.0
200-220	.8	1.1	.2									2.1	5.6	5.0
230-250	.4	.6	.1									1.1	5.7	5.0
(W) 260-280	.3	.4										.8	4.6	5.0
290-310		.1	.4									.6	11.0	10.0
320-340	.2	.2	.2	.1								.8	8.0	6.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	2.2	////	////
TOTALS	13.9	64.5	17.3	1.3	.3	.1						100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 903

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.6	1.0	.1									1.7	5.7	5.0
020-040	1.1	.8										1.9	4.4	4.0
050-070	1.6	1.2	.1									2.9	4.8	4.0
(E) 080-100	2.3	2.4	1.3	.4								6.5	7.1	6.0
110-130	2.3	6.9	5.0	3.4	.9							18.5	10.2	10.0
140-160	4.5	21.8	2.7	.4								29.5	6.7	7.0
(S) 170-190	4.7	9.6	1.4	.2								15.9	6.2	6.0
200-220	1.7	2.3	2.3	.6	.1	.1						7.1	8.8	7.5
230-250	1.4	.6	.4									2.4	5.5	4.0
(W) 260-280	2.4	.8	.1									3.3	4.3	4.0
290-310	1.6	1.8	.7									4.0	6.0	5.0
320-340	1.8	1.1	.2									3.1	4.9	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.2	//////////	//////////
TOTALS	26.0	50.3	14.3	5.0	1.0	.1						100.0	6.9	6.0

TOTAL NUMBER OF OBSERVATIONS 903

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.3	5.4	.1									6.8	6.0	6.0
020-040	2.0	3.6										5.6	5.2	5.0
050-070	2.2	2.9	.2									5.4	5.4	5.0
(E) 080-100	1.3	2.2	1.8	.4								5.8	8.2	8.0
110-130	1.8	3.5	3.8	1.9	.2	.1						11.3	10.2	10.0
140-160	1.2	3.5	.4									5.1	5.8	5.0
(S) 170-190	1.6	3.2	1.2	.7								6.7	7.8	7.0
200-220	1.5	3.6	2.3	1.8	.6							9.7	10.2	9.0
230-250	2.5	5.1	1.5	.8								9.8	7.2	6.0
(W) 260-280	2.2	3.0	1.0	.1	.1							6.5	6.5	5.0
290-310	2.5	8.1	2.7	.4	.1							13.8	7.4	7.0
320-340	2.1	8.5	1.2	.3								12.2	6.7	6.0
VARIABLE														
CALM	//											1.3	//////////	
TOTALS	22.2	52.6	16.2	6.4	1.0	.1						100.0	7.4	6.0

TOTAL NUMBER OF OBSERVATIONS 896

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT HOURS: 15-17

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
	WIND SPEED IN KNOTS													
(N) 350-010	2.0	7.9	1.8									11.6	7.0	7.0
020-040	.9	2.4										3.3	5.6	6.0
050-070	1.1	2.5	.5									4.2	6.0	5.5
(E) 080-100	.7	2.0	1.0	.1								3.7	7.7	8.0
110-130	.3	2.6	3.3	1.0								7.3	10.5	10.5
140-160	1.0	1.2	.1									2.3	5.6	5.0
(S) 170-190	.9	2.0	1.4	.5								4.8	8.7	8.0
200-220	1.0	2.1	3.5	1.6	.1							8.4	10.8	11.5
230-250	.8	3.3	3.4	1.0								8.5	9.8	10.0
(W) 260-280	.4	4.5	3.0	.5	.1							8.6	9.1	9.0
290-310	1.3	10.2	4.4	.2								16.2	7.8	8.0
320-340	1.9	12.0	6.5	.4								20.8	8.3	8.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.4	//////	//////
TOTALS	12.3	52.7	28.9	5.3	.2							100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 910

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT HOURS: 18-20

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
	WIND SPEED IN KNOTS													
(N) 350-010	3.3	7.5	.2	.1								11.1	5.9	6.0
020-040	1.0	.8										1.8	4.8	4.0
050-070	2.6	2.6	.1	.1								5.3	5.2	5.0
(E) 080-100	1.2	4.6	.4									6.2	6.4	7.0
110-130	1.3	3.9	2.0	.4	.1							7.8	8.3	8.0
140-160	1.0	2.2	.4									3.7	6.7	7.0
(S) 170-190	.4	2.4	.3	.1	.1							3.4	7.2	6.0
200-220	1.2	4.8	.6	.3								6.9	7.1	7.0
230-250	1.8	4.4	2.0	.2								8.5	7.4	7.0
(W) 260-280	2.0	4.9	1.1									8.0	6.4	5.5
290-310	1.6	7.1	1.0	.2								9.9	6.8	7.0
320-340	2.8	19.1	3.0	.2								25.1	7.1	7.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.2	//////	//////
TOTALS	20.2	64.3	11.1	1.6	.2							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.2	.1									.7	4.8	4.0
020-040	.5	.2										.8	3.7	3.0
050-070	.3	1.2	.2									1.8	6.4	6.0
(E) 080-100	2.0	3.6	1.2		.1							6.9	6.9	6.0
110-130	2.4	9.4	3.6	.7	.1							16.2	7.7	7.0
140-160	4.7	22.2	.7	.1								27.7	6.0	6.0
(S) 170-190	4.8	12.7	.4									18.0	5.5	5.0
200-220	3.2	4.1	.2	.1								7.6	5.2	5.0
230-250	2.1	4.1	.4									6.6	5.6	5.0
(W) 260-280	1.1	4.2	.2									5.5	6.1	6.0
290-310	.4	2.5	.8									3.7	7.2	7.0
320-340	.7	1.3	.1									2.1	5.9	5.0
VARIABLE														
CALM	//											2.5	//////////	
TOTALS	22.5	65.7	7.9	.9	.2							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 911

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 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	1.0	2.9	.3	.0								4.3	6.2	6.0
020-040	.8	1.0	.0									1.8	5.1	5.0
050-070	1.2	1.5	.2	.0								2.9	5.4	5.0
(E) 080-100	1.2	2.9	.9	.2	.0							5.2	7.0	6.0
110-130	2.4	11.1	4.1	1.4	.2	.0						19.2	8.3	7.0
140-160	3.4	19.3	2.1	.1								24.9	6.6	7.0
(S) 170-190	2.6	6.1	.7	.2	.0							9.6	6.1	6.0
200-220	1.5	2.5	1.2	.6	.1	.0						5.9	8.0	7.0
230-250	1.4	2.6	1.0	.2								5.3	7.1	6.0
(W) 260-280	1.2	2.4	.7	.1	.0							4.4	6.8	6.0
290-310	1.0	3.8	1.3	.1	.0							6.3	7.3	7.0
320-340	1.2	5.3	1.4	.1								8.2	7.3	7.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	2.0	////////////	
TOTALS	18.9	61.4	13.9	3.0	.3							100.0	6.9	6.0

TOTAL NUMBER OF OBSERVATIONS 7244

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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 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		9.1	9.1									18.2	8.5	8.5
020-040		18.2										18.2	8.0	8.0
050-070														
(E) 080-100														
110-130		9.1										9.1	7.0	7.0
140-160		9.1										9.1	5.0	5.0
(S) 170-190		9.1										9.1	9.0	9.0
200-220														
230-250														
(W) 260-280														
290-310		9.1										9.1	9.0	9.0
320-340		18.2	9.1									27.3	7.7	7.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.0	//////////	//////////
TOTALS		81.9	18.2									100.0	7.8	7.0

TOTAL NUMBER OF OBSERVATIONS 11

C - 4 - 100

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.5	.1										.6	3.8	3.0
020-040	.1											.1	3.0	3.0
050-070	.9	1.2										2.1	4.9	5.0
(E) 080-100	2.5	4.4	.3									7.2	5.8	5.0
110-130	3.6	22.6	3.8	.8	.5							31.2	7.2	6.0
140-160	4.7	27.3	1.8									33.8	6.3	6.0
(S) 170-190	3.6	6.7	.7	.2								11.2	5.6	5.0
200-220	2.1	1.4	.2	.2	.1							4.0	6.3	4.0
230-250	.9	1.6	.1									2.6	6.0	6.0
(W) 260-280	.8	1.5	.1									2.4	6.2	6.0
290-310	.6	1.2	.1									1.8	6.4	6.5
320-340	.3	.6	.1	.1								1.2	7.0	6.5
VARIABLE														
CALM	//											1.7	//////////	
TOTALS	20.6	68.6	7.2	1.3	.6							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 869

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS: 03-05

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	4.0	4.0
020-040	.2	.1										.3	4.0	4.0
050-070	.5	1.1										1.6	5.4	5.5
(E) 080-100	1.9	3.5	.8									6.3	6.1	6.0
110-130	3.8	20.5	5.2	1.0	.3							30.8	7.6	7.0
140-160	6.0	29.1	2.3									37.4	6.4	6.0
(S) 170-190	3.5	6.7	.7	.1								11.0	5.6	5.0
200-220	1.5	1.1	.1	.3	.2							3.3	7.3	5.0
230-250	1.5	1.6										3.1	5.0	5.0
(W) 260-280	.3	1.0										1.4	5.4	5.5
290-310	.8	.6										1.4	4.4	4.0
320-340	.6	.1										.7	3.5	3.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.5	//////	//////
TOTALS	20.8	65.4	9.1	1.4	.5							100.0	6.4	6.0

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.7	.2										.9	4.4	3.5
020-040	.2	.2										.5	5.0	4.5
050-070	.2	.3										.6	5.0	5.0
(E) 080-100	1.0	2.5	1.4	.1								5.0	7.5	6.0
110-130	4.2	21.8	5.5	1.5	.5							33.4	7.9	7.0
140-160	3.4	26.8	6.6	.1	.1							37.1	7.4	7.0
(S) 170-190	2.1	7.0	.7									9.7	6.0	5.0
200-220	1.9	1.7	1.0	.3	.1							5.2	7.1	5.0
230-250	1.0	.7	.1	.1								1.9	5.7	4.0
(W) 260-280	.2	.9	.2									1.4	6.7	6.0
290-310	.8	.8	.5									2.1	6.4	5.5
320-340		.2	.1									.3	7.0	6.0
VARIABLE														
CALM	//											1.8	//////////	
TOTALS	15.7	63.1	16.1	2.1	.7							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 873

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.8	1.1	.2									2.2	5.6	5.0
020-040	.8	.7										1.5	4.8	4.0
050-070	.8	1.0	.2									2.1	5.2	5.0
(E) 080-100	1.4	2.2	1.0	.8								5.4	8.4	8.0
110-130	3.9	8.2	3.6	2.6	1.4	.7						20.4	9.8	8.0
140-160	3.8	20.0	4.0	.2	.1							28.1	7.0	7.0
(S) 170-190	4.1	8.7	1.7	.3								14.8	6.3	6.0
200-220	2.2	1.9	1.9	.2	.6							6.8	8.6	6.0
230-250	1.6	.7	.5									2.7	5.7	4.0
(W) 260-280	2.3	1.0	.7	.5								4.4	6.8	4.0
290-310	1.5	2.1	.5	.1								4.1	6.1	5.0
320-340	1.8	1.7	.5	.3	.1							4.4	6.4	5.0
VARIABLE														
CALM	//											3.1	//////////	
TOTALS	25.0	49.3	14.8	5.0	2.2	.7						100.0	7.2	6.0

TOTAL NUMBER OF OBSERVATIONS 877

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	7.5	1.0									10.7	6.4	6.0
020-040	.5	1.5										2.0	5.9	6.0
050-070	2.6	1.0	.2									3.8	4.9	4.0
(E) 080-100	1.9	2.3	1.6	.5	.2							6.5	8.5	8.0
110-130	2.0	4.2	3.7	1.7	.8	.1						12.6	10.3	10.0
140-160	1.3	3.4	.8	.1								5.6	6.8	6.0
(S) 170-190	1.5	2.4	.9	.3	.1							5.4	7.3	6.0
200-220	1.2	2.4	2.7	1.9	.5							8.6	10.9	11.5
230-250	1.6	2.6	1.5	.6								6.3	8.1	7.0
(W) 260-280	2.6	2.4	1.7	.3								7.1	7.1	6.0
290-310	3.4	6.6	4.1	.7	.1							14.9	7.7	7.0
320-340	3.0	9.0	2.6	.1								14.7	7.0	7.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	1.7	////	////
TOTALS	23.8	45.3	28.8	6.2	1.7	.1						100.0	7.7	7.0

TOTAL NUMBER OF OBSERVATIONS 858

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	2.4	12.6	1.8	.1								16.9	6.7	6.0
020-040	1.1	2.4	.2									3.8	5.4	5.0
050-070	1.1	1.4	.3									2.9	5.9	5.0
(E) 080-100	.6	1.9	1.4	.1								4.0	8.2	9.0
110-130	.6	2.3	2.7	1.6	.5							7.7	11.3	11.0
140-160	.5	.5	.1									1.0	6.1	5.0
(S) 170-190	.3	.7	.6	.1								1.7	9.1	9.0
200-220	.6	1.0	1.8	1.4	.7							5.5	12.8	13.0
230-250	.9	1.5	2.4	.8	.2							5.8	10.3	10.0
(W) 260-280	.5	3.1	1.6	.6								5.7	9.2	8.5
290-310	1.3	7.9	7.3	.8								17.3	9.2	9.0
320-340	1.7	15.9	9.3	.5								27.3	8.5	8.0
VARIABLE														
CALM	//											.5	//////////	
TOTALS	11.6	51.2	29.5	6.0	1.4							100.0	8.7	8.0

TOTAL NUMBER OF OBSERVATIONS 875

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	4.4	4.4	.1									8.9	4.8	5.0
020-040	2.8	.3										3.1	3.6	3.0
050-070	2.3	2.4	.2									4.9	5.1	5.0
(E) 080-100	1.2	4.8	1.0									7.0	6.8	6.0
110-130	2.0	3.1	2.0	.3								7.4	7.6	7.0
140-160	1.4	4.1	.1									5.6	5.9	6.0
(S) 170-190	1.7	3.8	.6									6.1	5.9	5.0
200-220	1.8	2.4	1.0	.1	.3							5.8	7.3	6.0
230-250	2.9	3.3	.9	.5	.1							7.7	6.6	5.0
(W) 260-280	2.5	5.2	.5	.1								8.3	5.6	5.0
290-310	3.2	6.1	2.4	.2								12.0	6.9	6.0
320-340	2.8	13.8	2.5	.3								19.4	6.9	7.0
VARIABLE														
CALM	//											3.8	//////////	
TOTALS	29.0	53.7	11.3	1.5	.4							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 869

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740   STATION NAME: TUCSON IAP AZ   PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7   MONTH: NOV   HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.5										.7	4.5	5.0
020-040	.3	.6										.9	4.9	5.0
050-070	.7	1.4										2.1	5.3	5.0
(E) 080-100	2.2	4.2	.9									7.3	6.1	6.0
110-130	4.3	9.3	3.2	1.1	.1							18.1	7.4	6.0
140-160	5.8	22.1	.1									28.0	5.6	6.0
(S) 170-190	7.8	10.3	.3									18.4	5.1	5.0
200-220	3.3	3.0	.8	.2								7.3	5.9	5.0
230-250	1.8	2.9	.5	.1								5.3	5.7	5.0
(W) 260-280	1.4	2.7	.1	.2	.1							4.6	6.5	5.5
290-310	.6	1.8	.7	.2	.1							3.4	8.4	7.5
320-340	.3	1.4	.5	.1								2.3	7.5	7.5
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.7	//////	//////
TOTALS	28.7	60.2	7.1	1.9	.3							100.0	6.0	5.0

TOTAL NUMBER OF OBSERVATIONS 875

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.3	.4	.0								5.1	6.0	6.0
020-040	.8	.7	.0									1.5	4.8	4.5
050-070	1.1	1.2	.1									2.5	5.2	5.0
(E) 080-100	1.6	3.2	1.1	.2	.0							6.1	7.0	6.0
110-130	3.0	11.5	3.7	1.3	.5	.1						20.2	8.2	7.0
140-160	3.4	16.7	2.0	.1	.0							22.1	6.5	6.0
(S) 170-190	3.1	5.8	.8	.1	.0							9.8	5.9	5.0
200-220	1.8	1.9	1.2	.6	.3							5.8	8.5	6.0
230-250	1.5	1.8	.7	.3	.0							4.4	7.0	6.0
(W) 260-280	1.3	2.2	.6	.2	.0							4.4	6.8	6.0
290-310	1.5	3.4	1.9	.3	.0							7.1	7.8	7.0
320-340	1.3	5.3	1.9	.2	.0							8.8	7.5	7.0
VARIABLE														
CALM	//											2.1	//////////	
TOTALS	21.8	57.0	14.4	3.3	.8	.1						100.0	6.9	6.0

TOTAL NUMBER OF OBSERVATIONS 6975

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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.

	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		7.1	10.7									17.9	9.4	10.0
020-040														
050-070														
(E) 080-100														
110-130	3.6											3.6	3.0	3.0
140-160														
(S) 170-190	3.6	3.6										7.1	4.0	4.0
200-220	3.6				3.6							7.1	12.5	12.5
230-250														
(W) 260-280			7.1									7.1	11.0	11.0
290-310		3.6										3.6	7.0	7.0
320-340	3.6	10.7	25.0	7.1								46.4	11.2	11.0
VARIABLE														
CALM	//											7.1	//////////	
TOTALS	14.4	25.0	42.8	7.1	3.6							100.0	9.2	10.0

TOTAL NUMBER OF OBSERVATIONS 28

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: DEC HOURS: 00-02

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										.4	5.8	6.0
020-040	.2	.2										.4	4.3	4.5
050-070	1.0	.6										1.6	4.2	4.0
(E) 080-100	1.6	4.0	.8	.1								6.5	6.6	6.0
110-130	6.6	21.5	5.5	.7	.7	.2						35.1	7.4	6.0
140-160	8.0	25.8	1.0									34.9	5.8	6.0
(S) 170-190	2.4	5.2										7.7	5.2	5.0
200-220	1.9	1.3	.3	.1								3.7	5.7	4.0
230-250	.8	1.3	.1	.1								2.3	6.0	6.0
(W) 260-280	1.0	.9	.1									2.0	5.3	4.5
290-310		1.2										1.2	6.3	6.0
320-340	.8	.9		.1								1.8	5.4	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.4	//////	//////
TOTALS	24.5	63.1	7.8	1.1	.7	.2						100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 898

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740   STATION NAME: TUCSON IAP AZ   PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7   MONTH: DEC   HOURS: 03-05

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
	WIND SPEED IN KNOTS													
(N) 350-010	.1	.2										.3	5.7	6.0
020-040	.3											.3	3.3	3.0
050-070	.7	.9	.1	.1								1.8	6.0	5.0
(E) 080-100	1.5	2.8	.4	.1								4.8	6.2	5.5
110-130	5.6	23.7	5.7	1.7	.8							37.4	7.9	7.0
140-160	7.6	26.8	1.4	.1								36.0	6.1	6.0
(S) 170-190	2.5	4.3	.2									7.0	5.2	5.0
200-220	1.1	1.8	.1									3.0	5.7	5.0
230-250	.8	1.3	.1		.1							2.3	6.7	6.0
(W) 260-280	1.0	.7	.2	.1								2.0	5.9	4.5
290-310	1.0	.8	.2									2.0	5.3	4.5
320-340	.3	.3										.7	4.2	4.5
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.4	//////	//////
TOTALS	22.5	63.6	8.4	2.1	.9							100.0	6.5	6.0

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: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: DEC HOURS: 06-08

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	.1										.3	4.0	4.0
020-040	.2	.2										.4	5.0	4.5
050-070	.6	.4		.2								1.2	6.3	5.0
(E) 080-100	1.6	3.1	.7	.1	.1							5.5	7.0	6.0
110-130	3.2	22.7	6.5	2.2	.6	.1						35.3	8.5	8.0
140-160	4.4	25.9	6.4	.2								37.0	7.2	7.0
(S) 170-190	3.1	5.4	.4									9.0	5.5	5.0
200-220	1.8	1.2	.7									3.7	5.7	5.0
230-250	.7	2.0	.3									3.0	6.0	5.0
(W) 260-280	.2	1.0	.1									1.3	6.3	6.5
290-310	.3	1.3										1.7	5.9	6.0
320-340	.2	.1		.1								.4	8.0	5.5
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	1.1	//////	//////
TOTALS	16.5	63.4	15.1	2.8	.7	.1						100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 903

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.8	.6										1.3	4.5	4.0
020-040		.4										.4	6.5	6.5
050-070	.7	.7										1.3	5.0	4.5
(E) 080-100	1.7	.9	.3		.3							3.2	7.0	4.0
110-130	2.8	9.9	4.4	3.9	1.7	.4						23.1	10.4	8.0
140-160	4.1	24.5	3.8	.2								32.6	7.0	7.0
(S) 170-190	4.3	9.3	.9									14.5	5.7	5.0
200-220	2.8	3.0	1.7	.3								7.8	6.9	6.0
230-250	1.6	.7	.2									2.4	5.1	4.0
(W) 260-280	1.0	1.0	.3	.2	.1							2.7	7.2	5.0
290-310	.8	2.4	.9	.3								4.4	7.8	7.0
320-340	1.3	1.6	.1									3.0	5.3	5.0
VARIABLE														
CALM	//											3.2	//////////	
TOTALS	21.9	55.0	12.6	4.9	2.1	.4						100.0	7.2	6.0

TOTAL NUMBER OF OBSERVATIONS 902

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.5	5.8	1.1									10.4	6.1	6.0
020-040	2.4	1.6										4.0	4.4	4.0
050-070	1.8	1.0	.1	.4								3.3	6.3	4.0
(E) 080-100	1.7	1.6	1.3	.4	.3							5.3	8.6	7.0
110-130	2.2	5.0	5.1	2.6	1.8	.2						16.9	11.1	10.0
140-160	2.3	4.1	.7	.1								7.2	6.1	5.0
(S) 170-190	2.1	2.2	.7									5.0	5.9	5.0
200-220	1.8	1.7	1.7	.7	.1							5.9	8.3	7.0
230-250	1.4	1.2	1.1	.6								4.3	8.3	7.0
(W) 260-280	1.9	3.2	1.4	.6	.1							7.2	7.7	6.0
290-310	3.0	5.8	1.3	.9						.1		11.1	7.6	6.0
320-340	3.2	7.6	2.3	.1	.1							13.4	6.9	6.0
VARIABLE														
CALM	//////////											5.8	//////////	
TOTALS	27.3	40.8	16.8	6.4	2.4	.2				.1		100.0	7.3	6.0

TOTAL NUMBER OF OBSERVATIONS 898

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.3	15.8	1.8	.1								21.0	6.5	6.0
020-040	2.4	2.0										4.4	4.4	4.0
050-070	1.4	2.2	.2	.1								4.0	6.0	5.0
(E) 080-100	.4	2.3	.9	.7								4.3	9.1	8.0
110-130	1.0	3.0	3.0	2.1	.3							9.3	10.8	11.0
140-160	1.0	2.2	.2									3.4	6.0	5.0
(S) 170-190	.5	.8	.4	.1								1.9	7.4	6.0
200-220	.2	.5	.7	.7								2.1	11.1	12.0
230-250	.5	2.2	2.0	.3								5.0	9.2	9.0
(W) 260-280	.9	2.7	1.5	.9	.1							6.1	9.1	8.5
290-310	1.9	7.1	3.6	.3								13.0	8.0	8.0
320-340	2.9	16.6	3.4	.1								22.9	7.0	7.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	2.6	////////////	
TOTALS	16.'	57.4	17.7	5.4	.4							100.0	7.4	7.0

TOTAL NUMBER OF OBSERVATIONS 911

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	4.1	5.5	.4									10.1	5.1	5.0
020-040	2.4	1.2										3.6	4.2	4.0
050-070	1.7	1.9										3.5	5.4	5.0
(E) 080-100	2.1	5.0	.8	.4								8.3	6.9	6.0
110-130	2.2	4.3	2.7	.6	.3							10.1	8.2	7.0
140-160	2.7	3.6	.1	.1								6.5	5.3	5.0
(S) 170-190	2.5	2.1	.1									4.8	4.9	4.0
200-220	1.0	1.8	.2		.1							3.1	6.2	5.5
230-250	2.8	5.0	.1	.1								8.0	5.2	5.0
(W) 260-280	2.7	4.5	.6	.2	.1							8.1	6.3	6.0
290-310	3.0	6.5	.8	.1								10.4	6.0	5.0
320-340	4.8	10.1	1.1	.1								16.0	6.0	6.0
VARIABLE														
CALM	//											7.6	//////////	
TOTALS	32.0	51.5	6.9	1.6	.5							100.0	5.5	5.0

TOTAL NUMBER OF OBSERVATIONS 905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	.8	.4	.1									1.3	4.3	3.0
020-040	.4	.4										.9	4.3	4.5
050-070	1.0	1.3										2.3	5.3	5.0
(E) 080-100	2.1	4.9	.4	.1	.1							7.6	6.4	5.0
110-130	4.9	13.0	3.4	.8	.3	.3						22.8	7.5	6.0
140-160	6.9	23.3	.3	.2	.1							30.8	5.6	5.0
(S) 170-190	4.0	7.1	.2									11.3	5.1	5.0
200-220	3.2	2.9	.1									6.2	4.8	4.0
230-250	1.0	3.0	.2									4.2	5.6	5.0
(W) 260-280	.8	2.4	.3	.1								3.6	6.6	6.0
290-310	.3	1.2	.4									2.0	6.9	6.0
320-340	.3	.4	.7	.2								1.7	8.8	10.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.3	//////////	
TOTALS	25.7	60.3	6.1	1.4	.5	.3						100.0	5.8	5.0

TOTAL NUMBER OF OBSERVATIONS 905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	1.6	3.6	.4	.0								5.7	5.9	6.0
020-040	1.1	.8										1.8	4.4	4.0
050-070	1.1	1.1	.1	.1								2.4	5.7	5.0
(E) 080-100	1.6	3.1	.7	.2	.1							5.7	7.1	6.0
110-130	3.6	12.9	4.5	1.8	.8	.2						23.7	8.6	7.0
140-160	4.6	17.0	1.7	.1	.0							23.5	6.3	6.0
(S) 170-190	2.7	4.5	.4	.0								7.6	5.4	5.0
200-220	1.7	1.8	.7	.2	.0							4.4	6.6	5.0
230-250	1.2	2.1	.5	.1	.0							4.0	6.6	5.0
(W) 260-280	1.2	2.1	.6	.3	.1							4.1	7.2	6.0
290-310	1.3	3.3	.9	.2						.0		5.7	7.1	6.0
320-340	1.7	4.7	1.0	.1	.0							7.5	6.6	6.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.8	//////	//////
TOTALS	23.4	57.0	11.5	3.1	1.0	.2						100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 7231

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	3.0	3.0	1.5									7.5	5.8	5.0
020-040	4.5	4.5										9.0	4.5	4.5
050-070														
(E) 080-100	1.5	4.5										6.0	5.5	6.0
110-130	1.5	1.5										3.0	4.5	4.5
140-160	1.5											1.5	4.0	4.0
(S) 170-190	3.0	1.5										4.5	4.0	4.0
200-220		3.0	1.5									4.5	7.7	7.0
230-250	1.5	4.5										6.0	5.3	5.0
(W) 260-280	1.5	6.0	1.5									9.0	7.2	7.0
290-310	6.0	20.9	1.5									28.4	5.9	5.0
320-340	3.0	7.5	7.5	1.5								19.4	8.7	8.0
VARIABLE														
CALM	//											1.5	//////////	
TOTALS	27.0	56.9	13.5	1.5								100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 67

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 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	2.6	.6	.0	.0					.0		4.2	6.5	6.0
020-040	.7	.9	.1	.0	.0							1.6	5.2	5.0
050-070	.9	1.3	.2	.0	.0	.0	.0					2.5	5.8	5.0
(E) 080-100	1.2	2.6	.8	.2	.0	.0			.0	.0		4.7	7.2	6.0
110-130	2.4	10.3	3.5	1.3	.3	.0	.0	.0	.0			17.8	8.3	7.0
140-160	2.9	15.2	1.9	.1	.0	.0				.0		20.1	6.7	6.0
(S) 170-190	2.5	6.3	1.1	.3	.0	.0						10.2	6.5	6.0
200-220	1.5	2.8	1.6	.7	.2	.0		.0				6.7	8.5	7.0
230-250	1.4	2.9	1.6	.6	.1	.0	.0		.0			6.5	8.3	7.0
(W) 260-280	1.1	3.5	1.8	.4	.0	.0						6.9	8.1	7.0
290-310	1.2	4.0	2.5	.5	.0	.0				.0		8.2	8.5	8.0
320-340	1.1	4.7	2.1	.3	.0					.0		8.3	7.9	8.0
VARIABLE														
CALM	//											2.3	//////////	
TOTALS	17.9	57.1	17.8	4.4	.6							100.0	7.4	7.0

TOTAL NUMBER OF OBSERVATIONS: 85058

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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 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	2.1	3.3	2.1									7.5	6.8	6.0
020-040	2.5	2.5										5.0	4.9	4.5
050-070	.8	1.2										2.1	5.4	5.0
(E) 080-100	1.7	1.7										3.3	4.9	5.0
110-130	2.1	2.1				.4						4.6	6.5	5.0
140-160	1.2	1.7	.8	.4								4.1	7.3	5.0
(S) 170-190	3.3	1.7	.4	.4								5.8	5.8	4.0
200-220	2.1	2.1	.4	.4	.4							5.4	7.8	6.0
230-250	1.7	3.3	.4									5.4	5.6	5.0
(W) 260-280	1.7	5.8	2.1	.4								10.0	7.5	7.0
290-310	3.7	11.2	4.1	1.2	.4							20.7	7.8	7.0
320-340	3.3	6.6	8.3	3.3								21.6	10.0	10.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.6	//////////	
TOTALS	26.2	43.2	18.6	6.1	.8	.4						100.0	7.2	6.0

TOTAL NUMBER OF OBSERVATIONS: 241

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          DDDDDDDD
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT          DDDDDDDDD
PP      PP    AA      AA    RR      RR        TT              DD      DD
PP      PP    AA      AA    RR      RR        TT              DD      DD
PPPPPPPPP     AA      AA    RRRRRRRRR         TT              DD      DD
PPPPPPPP      AAAAAAAAAA    RRRRRRRR          TT              DD      DD
PP            AAAAAAAAAA    RR    RR          TT              DD      DD
PP            AA      AA    RR     RR         TT              DD      DD
PP            AA      AA    RR      RR        TT              DDDDDDDDD
PP            AA      AA    RR       RR       TT              DDDDDDDDD
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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 = 1,500 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 OBSCURRED, OR TOTALLY OBSCURRED 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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN HOURS: 00-02

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	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 20000	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 18000	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 16000	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 14000	80.6	80.6	80.8	80.8	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 12000	82.1	82.1	82.2	82.2	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 10000	82.9	82.9	83.0	83.0	83.0	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 9000	83.4	83.4	83.6	83.6	83.6	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 8000	83.8	83.8	83.9	83.9	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 7000	84.9	84.9	85.0	85.0	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 6000	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 5000	90.0	90.0	90.2	90.2	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 4500	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 4000	93.8	93.8	94.0	94.0	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3500	96.6	96.8	96.9	96.9	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3000	97.2	97.3	97.4	97.4	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	98.2	98.3	98.4	98.4	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	98.3	98.4	98.5	98.5	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	98.3	98.4	98.5	98.5	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	98.3	98.4	98.5	98.5	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	98.4	98.5	98.7	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	98.5	98.7	98.8	98.8	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	98.5	98.7	98.8	98.8	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	98.7	98.9	99.0	99.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	98.7	98.9	99.0	99.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	98.7	98.9	99.0	99.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	98.8	99.0	99.1	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 400	98.8	99.0	99.1	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 300	98.9	99.1	99.2	99.2	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 200	98.9	99.1	99.3	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 100	98.9	99.1	99.3	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9
GE 000	98.9	99.1	99.3	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 894

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	74.4	74.4	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 20000	78.0	78.0	78.1	78.2	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 18000	78.0	78.0	78.1	78.2	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 16000	78.1	78.1	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 14000	78.7	78.7	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 12000	80.5	80.5	80.6	80.7	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 10000	82.7	82.7	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 9000	83.5	83.5	83.6	83.7	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 8000	83.5	83.5	83.6	83.7	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 7000	83.7	83.7	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 6000	85.6	85.6	85.7	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 5000	89.6	89.8	89.9	90.0	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 4500	91.3	91.4	91.5	91.6	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 4000	92.5	92.6	92.7	92.8	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 3500	94.9	95.0	95.2	95.3	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 3000	96.9	97.0	97.1	97.2	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 2500	97.8	97.9	98.0	98.1	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	97.9	98.0	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	97.9	98.0	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	98.0	98.2	98.3	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 1200	98.1	98.3	98.5	98.6	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 1000	98.1	98.3	98.5	98.6	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 900	98.1	98.3	98.5	98.6	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 800	98.1	98.3	98.5	98.6	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 700	98.1	98.3	98.5	98.6	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 600	98.2	98.5	98.6	98.7	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	98.2	98.5	98.6	98.7	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	98.2	98.5	98.6	98.7	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	98.3	98.6	98.7	98.8	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	98.3	98.6	98.8	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	98.3	98.6	98.8	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 000	98.3	98.6	98.8	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 20000	78.9	78.9	78.9	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
GE 18000	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 16000	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 14000	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 12000	81.1	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 10000	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 9000	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 8000	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 7000	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 6000	86.8	86.8	86.8	86.8	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 5000	90.2	90.3	90.4	90.4	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 4500	91.7	91.8	92.0	92.0	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4000	93.3	93.4	93.5	93.5	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3500	95.6	95.9	96.0	96.3	96.5	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	96.9	97.4	97.5	97.8	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	97.5	97.9	98.0	98.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	97.5	97.9	98.0	98.3	98.6	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	97.7	98.1	98.2	98.6	98.8	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	97.8	98.2	98.3	98.7	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	97.8	98.2	98.3	98.7	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	97.8	98.2	98.3	98.7	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	97.8	98.2	98.3	98.7	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	97.8	98.2	98.3	98.7	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	97.8	98.2	98.3	98.7	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	97.8	98.2	98.3	98.7	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	97.8	98.2	98.3	98.7	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	97.8	98.2	98.5	98.8	99.1	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	97.8	98.3	98.6	98.9	99.2	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	97.8	98.3	98.6	98.9	99.3	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	97.8	98.3	98.6	98.9	99.3	99.3	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	97.8	98.3	98.6	98.9	99.3	99.3	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 907

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	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	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 18000	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 16000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 14000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 12000	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 10000	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 9000	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 8000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 7000	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 6000	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 5000	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 4500	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 4000	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3500	96.2	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	96.3
GE 3000	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2500	97.7	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
GE 2000	97.9	98.0	98.2	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 1800	97.9	98.0	98.2	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 1500	97.9	98.0	98.2	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 1200	98.3	98.4	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 1000	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	98.7	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	98.7	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	98.7	99.1	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	98.7	99.1	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	98.7	99.1	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	98.7	99.1	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.7	99.1	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.7	99.1	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 895

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 20000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 18000	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 16000	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 14000	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 12000	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 10000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 9000	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 8000	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 7000	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 6000	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 5000	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 4500	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 4000	95.5	95.5	95.5	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
GE 3500	96.9	96.9	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 3000	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	98.3	98.3	98.3	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
GE 2000	98.8	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	98.8	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	98.9	99.0	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 1200	99.2	99.3	99.4	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 1000	99.2	99.3	99.4	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 900	99.2	99.3	99.4	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 800	99.3	99.4	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	99.3	99.4	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	99.3	99.4	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	99.3	99.4	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	99.3	99.4	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	99.3	99.4	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	99.3	99.4	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	99.3	99.4	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	99.3	99.4	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 897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 20000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 18000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 16000	80.0	80.0	80.0	80.0	80.0	80.0	80:0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 14000	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 12000	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 10000	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 9000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 8000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 7000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 6000	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 5000	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 4500	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 4000	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 3500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3000	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 2500	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 2000	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	99.6	99.6
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	99.7	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
GE 1200	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.6	99.6	99.7	99.7	99.8	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 908

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 20000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 18000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 16000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
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	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 10000	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 9000	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 8000	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 7000	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 6000	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 5000	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 4500	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	93.8
GE 4000	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	95.5	95.5	95.5
GE 3500	97.1	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	97.4
GE 3000	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 2500	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	98.5	98.5	98.5
GE 2000	98.3	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	98.3	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 1500	98.4	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	98.4	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	98.4	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
GE 900	98.4	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
GE 800	98.4	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
GE 700	98.4	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4
GE 600	98.4	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4
GE 500	98.4	98.8	98.9	99.0	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 400	98.4	98.8	98.9	99.0	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 300	98.4	98.8	98.9	99.0	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 200	98.4	98.8	98.9	99.0	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	98.4	98.8	98.9	99.0	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	98.4	98.8	98.9	99.0	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 894

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 20000	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 18000	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 16000	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 14000	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 12000	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 10000	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 9000	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 8000	82.2	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
GE 7000	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 6000	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 5000	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 4500	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4000	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 3500	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
GE 3000	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 2500	98.1	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
GE 2000	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
GE 1800	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
GE 1500	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5
GE 1200	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5
GE 1000	98.9	99.2	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 900	98.9	99.2	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 800	98.9	99.2	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 700	98.9	99.2	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 600	99.0	99.3	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 500	99.1	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	99.1	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	99.1	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.1	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.1	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.1	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 910

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 20000	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 18000	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 16000	79.6	79.6	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 14000	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 12000	82.0	82.0	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
GE 10000	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 9000	84.5	84.5	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 8000	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 7000	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 6000	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 5000	91.2	91.3	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 4500	93.2	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4000	94.6	94.7	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
GE 3500	96.5	96.6	96.7	96.7	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 3000	97.4	97.6	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2500	98.2	98.3	98.4	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	98.3	98.5	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
GE 1800	98.4	98.6	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	98.5	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	98.6	98.8	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
GE 1000	98.7	98.9	99.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 900	98.7	98.9	99.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 800	98.7	98.9	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	98.7	98.9	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	98.7	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 500	98.7	99.0	99.2	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	98.7	99.0	99.2	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	98.8	99.0	99.2	99.3	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 200	98.8	99.0	99.3	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	98.8	99.0	99.3	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	98.8	99.0	99.3	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7213

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: FEB HOURS: 00-02

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	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 20000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 18000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
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	79.9	79.9	79.9	79.9
GE 14000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 12000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 10000	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 9000	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 8000	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 7000	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 6000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 5000	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 4500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 4000	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 3500	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 3000	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 2500	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 2000	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 1800	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 1500	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	99.1	99.1	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 1000	99.1	99.1	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 900	99.1	99.1	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 800	99.1	99.1	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 700	99.1	99.1	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 600	99.1	99.1	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 500	99.1	99.1	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 400	99.1	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	99.3	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	99.3	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.3	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.3	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 820

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 20000	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 18000	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 16000	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 14000	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 12000	82.1	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 10000	83.3	83.4	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 9000	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 8000	84.4	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	84.6	84.6
GE 7000	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 6000	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 5000	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 4500	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4000	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	94.2	94.2
GE 3500	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3000	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	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	98.4
GE 2000	98.3	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	98.7	98.7
GE 1800	98.4	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	98.9	98.9
GE 1500	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	98.9	99.0	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 500	98.9	99.0	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 400	98.9	99.0	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 300	98.9	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 200	98.9	99.0	99.6	99.6	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 100	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 827

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 20000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
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	79.2	79.2	79.2	79.2
GE 16000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
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	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 10000	83.3	83.4	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 9000	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 8000	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 7000	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 6000	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 5000	90.9	91.2	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
GE 4500	92.6	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 4000	94.4	94.8	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
GE 3500	96.1	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	97.0	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	97.6
GE 2500	97.2	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	97.9	98.4	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	98.9
GE 1800	97.9	98.4	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	98.9
GE 1500	98.1	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	98.1	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	98.1	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	98.1	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	98.1	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	98.1	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	98.2	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	98.2	98.7	99.1	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 400	98.3	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	98.4	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 200	98.4	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 100	98.4	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	98.4	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 821

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	73.0	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 20000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 18000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 16000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 14000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 12000	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 10000	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 9000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 8000	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 7000	87.0	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 6000	87.8	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
GE 5000	90.8	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 4500	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4000	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3500	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3000	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2500	97.3	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
GE 2000	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	98.5	98.9	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 1500	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	98.9	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	98.9	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	98.9	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	99.2	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	99.9	99.9
GE 500	99.2	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	99.9	99.9
GE 400	99.2	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
GE 300	99.2	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
GE 200	99.2	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
GE 100	99.2	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
GE 000	99.2	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

TOTAL NUMBER OF OBSERVATIONS 826

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 20000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 18000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 16000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 14000	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 12000	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 10000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 9000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 8000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 7000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 6000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 5000	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 4500	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 4000	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 3500	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 3000	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 2500	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	98.8	98.8	98.8
GE 2000	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 812

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 20000	79.3	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 18000	79.3	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 16000	79.7	79.8	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 14000	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 12000	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 10000	85.0	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 9000	85.7	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 8000	86.2	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 7000	86.9	87.0	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 6000	87.8	87.9	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 5000	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	92.1
GE 4500	93.6	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	93.9	93.9
GE 4000	93.9	94.1	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 3500	96.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 3000	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	98.4	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 826

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 20000	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 18000	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 16000	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 14000	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 12000	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 10000	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 9000	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 8000	88.1	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 7000	88.8	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 6000	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 5000	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 4500	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	95.5	95.5	95.5
GE 4000	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	96.2	96.2
GE 3500	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3000	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	98.8	98.9	99.1	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
GE 1200	98.8	98.9	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 1000	98.9	99.0	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
GE 900	99.0	99.1	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 800	99.0	99.1	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 700	99.0	99.1	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 600	99.0	99.1	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 500	99.0	99.1	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 400	99.0	99.1	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 300	99.0	99.1	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	99.0	99.1	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	99.0	99.1	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	99.0	99.1	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 816

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
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	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 16000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 14000	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 12000	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 10000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 9000	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 8000	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 7000	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 6000	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 5000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 4500	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 4000	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 3500	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 3000	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 2500	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	97.8	98.0	98.2	98.2	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	98.1	98.2	98.4	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	98.2	98.3	98.6	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	98.2	98.3	98.6	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	98.3	98.4	98.7	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	98.3	98.4	98.7	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	98.4	98.6	98.8	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	98.7	98.8	99.0	99.0	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	98.7	98.8	99.0	99.0	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	98.7	98.8	99.0	99.0	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	98.7	98.8	99.0	99.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	98.7	98.8	99.0	99.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	98.8	98.9	99.2	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	98.8	98.9	99.2	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	98.8	98.9	99.2	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 833

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 20000	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 18000	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 16000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 14000	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 12000	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 10000	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 9000	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 8000	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 7000	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 6000	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 5000	91.8	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	92.1
GE 4500	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4000	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3500	96.0	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 3000	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2500	97.9	98.1	98.2	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 2000	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	98.7	98.9	99.1	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
GE 1500	98.8	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	98.9	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	98.9	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	98.9	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	99.5	99.5
GE 700	99.0	99.2	99.4	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
GE 600	99.0	99.2	99.5	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 500	99.0	99.2	99.5	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
GE 400	99.0	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6581

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: MAR HOURS: 00-02

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	76.5	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 20000	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 18000	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 16000	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 14000	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 12000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 10000	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 9000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 8000	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 7000	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 6000	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 5000	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4500	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 4000	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3500	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	97.9	97.9
GE 3000	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	98.9
GE 2500	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	99.6	99.6	99.6
GE 2000	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	100.0
GE 1800	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	100.0
GE 1500	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	100.0
GE 1200	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	100.0
GE 1000	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	100.0
GE 900	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	100.0
GE 800	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	100.0
GE 700	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	100.0
GE 600	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	100.0
GE 500	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	100.0
GE 400	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	100.0
GE 300	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	100.0
GE 200	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	100.0
GE 100	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	100.0
GE 000	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	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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 20000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 18000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 16000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 14000	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 12000	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 10000	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 9000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 8000	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 7000	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 6000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 5000	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 4500	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 4000	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3500	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3000	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2500	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 908

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	77.2	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 20000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 18000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 16000	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 14000	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 12000	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 10000	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 9000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 8000	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 7000	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 6000	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 5000	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 4500	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 4000	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3500	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	97.4
GE 3000	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	99.2	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
GE 1800	99.2	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
GE 1500	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.4	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	99.4	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	99.4	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	99.4	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	99.4	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	99.4	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	99.4	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	99.4	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	99.4	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	99.4	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	99.4	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 906

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 20000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
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	85.1	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 14000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 12000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 10000	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 9000	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 8000	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 7000	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 6000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 5000	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 4500	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 4000	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 3500	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 3000	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 2500	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 2000	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 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	99.9	99.9	99.9	99.9
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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 20000	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 18000	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 16000	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 14000	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 12000	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 10000	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 9000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 8000	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 7000	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 6000	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 5000	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 4500	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 4000	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 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	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 2500	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 2000	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 1800	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 1500	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 1200	99.8	99.8	99.8	99.8	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	99.9	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 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 896

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 20000	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 18000	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 16000	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 14000	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 12000	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 10000	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 9000	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 8000	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 7000	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 6000	88.3	88.3	88.3	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
GE 5000	93.1	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 4500	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	94.8	94.8
GE 4000	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3500	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	97.8	97.8
GE 3000	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	98.6
GE 2500	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	99.0	99.0	99.0
GE 2000	99.3	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.3	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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	99.4	99.4	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 904

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4
GE 20000	78.5	78.5	78.6	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
GE 18000	78.5	78.5	78.6	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
GE 16000	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6
GE 14000	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9
GE 12000	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3
GE 10000	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7
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	87.8	87.8	87.8	87.8
GE 8000	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2	88.2	88.2	88.2
GE 7000	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3	89.3	89.3
GE 6000	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7
GE 5000	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1
GE 4500	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 4000	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
GE 3500	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE 3000	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4
GE 2500	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 2000	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 1800	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 1500	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 1200	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 1000	99.3	99.6	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	99.3	99.6	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	99.3	99.6	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	99.3	99.6	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	99.3	99.6	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	99.3	99.6	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	99.3	99.6	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	99.3	99.6	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	99.3	99.6	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	99.3	99.6	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	99.3	99.6	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 912

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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	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 18000	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 16000	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 14000	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 12000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 10000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 9000	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 8000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 7000	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 6000	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 5000	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 4500	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 4000	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 3500	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 3000	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 913

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 20000	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 18000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 16000	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 14000	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 12000	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 10000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 9000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 8000	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 7000	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 6000	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 5000	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 4500	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 4000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1
GE 3500	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 3000	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7253

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: APR HOURS: 00-02

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	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 20000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 18000	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 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	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 12000	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 10000	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 9000	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 8000	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 7000	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 6000	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 5000	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 4500	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 4000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3500	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 3000	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 2500	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 2000	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 1800	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 1500	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 1200	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 1000	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 900	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 800	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 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 880

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 18000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 16000	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 14000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 12000	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 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	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 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	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 6000	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 5000	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 4500	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 4000	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 3500	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 3000	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 2500	99.8	99.8	99.8	99.8	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	99.8	99.8	99.8	99.8	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	99.8	99.8	99.8	99.8	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	99.8	99.8	99.8	99.8	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	99.8	99.8	99.8	99.8	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	99.8	99.8	99.8	99.8	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 900	99.8	99.8	99.8	99.8	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 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	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
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 892

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	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 20000	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 18000	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 16000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
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	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 10000	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 9000	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 8000	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 7000	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 6000	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 5000	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 4500	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 4000	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 3500	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 3000	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 2500	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 2000	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 1800	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 1500	99.8	99.8	99.8	99.8	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	99.8	99.8	99.8	99.8	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	99.9	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 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	99.9	99.9	99.9	99.9
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 875

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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	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 16000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 14000	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 12000	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 10000	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 9000	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 8000	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 7000	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 6000	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 5000	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 4500	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 4000	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 3500	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 3000	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 2500	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 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	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
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 880

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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	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 18000	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 16000	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 14000	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 12000	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 10000	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 9000	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 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	92.6	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	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 5000	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 4500	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 4000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3500	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 3000	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 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	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
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 869

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
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	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 16000	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 14000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 12000	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 10000	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 9000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 8000	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 7000	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 6000	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 5000	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 4500	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 4000	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 3500	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 3000	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 2500	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 2000	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 876

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	79.0	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 20000	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 18000	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 16000	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 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	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 10000	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 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	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	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 6000	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 5000	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 4500	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 4000	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3500	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 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	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 2000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 862

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 20000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 18000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 16000	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 14000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 12000	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 10000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 9000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 8000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 7000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 6000	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 5000	98.2	98.2	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 4500	98.6	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
GE 4000	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	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	99.1
GE 3000	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	99.1
GE 2500	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	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	99.5
GE 1800	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 1500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	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	100.0
GE 500	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	100.0
GE 400	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	100.0
GE 300	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	100.0
GE 200	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	100.0
GE 100	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	100.0
GE 000	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	100.0

TOTAL NUMBER OF OBSERVATIONS 883

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 18000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 16000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 14000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
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	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 9000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 8000	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 7000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 6000	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 5000	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 4500	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 4000	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 3500	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	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 2500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.8	99.8	99.8	99.8	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	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7017

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: MAY HOURS: 00-02

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	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
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	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 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	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 9000	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 8000	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 7000	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 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	99.9	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	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	100.0	100.0	100.0	100.0	100.0	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 903

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 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	94.5	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 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	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 9000	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 8000	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 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	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	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 4500	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 4000	99.8	99.8	99.8	99.8	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	99.9	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	100.0	100.0	100.0	100.0	100.0	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 911

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	90.5	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 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	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	97.3	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 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	98.9	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	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 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 896

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 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	95.5	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 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	96.6	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	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	97.4	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	97.9	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	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
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	99.0	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 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	99.9	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 906

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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	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	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 16000	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 14000	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 12000	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 10000	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 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	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 7000	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 6000	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 5000	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 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	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	100.0	100.0	100.0	100.0	100.0	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 902

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 20000	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 18000	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 16000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 14000	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 12000	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 10000	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 9000	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 8000	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 7000	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 6000	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 5000	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 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 903

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 20000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 18000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 16000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 14000	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 12000	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 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	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 8000	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 7000	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 6000	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	98.9
GE 5000	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	100.0
GE 4500	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	100.0
GE 4000	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	100.0
GE 3500	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	100.0
GE 3000	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	100.0
GE 2500	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	100.0
GE 2000	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	100.0
GE 1800	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	100.0
GE 1500	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	100.0
GE 1200	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	100.0
GE 1000	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	100.0
GE 900	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	100.0
GE 800	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	100.0
GE 700	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	100.0
GE 600	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	100.0
GE 500	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	100.0
GE 400	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	100.0
GE 300	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	100.0
GE 200	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	100.0
GE 100	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	100.0
GE 000	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	100.0

TOTAL NUMBER OF OBSERVATIONS 897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 20000	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 18000	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 16000	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 14000	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 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	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 9000	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 8000	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 7000	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 6000	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 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 915

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 20000	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 18000	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 16000	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 14000	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 12000	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 10000	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 9000	96.1	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	96.2	96.2
GE 8000	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 7000	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 6000	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 5000	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
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	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	100.0	100.0	100.0	100.0	100.0	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 7233

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUN HOURS: 00-02

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	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 18000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 16000	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 14000	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 12000	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 10000	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 9000	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 8000	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 7000	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 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 859

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
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	92.0	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	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 10000	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 9000	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 8000	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 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	100.0	100.0	100.0	100.0	100.0	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 879

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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	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 18000	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 16000	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 14000	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 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	94.3	94.3	94.3	94.3
GE 10000	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 9000	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 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	99.4	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 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	100.0	100.0	100.0	100.0	100.0	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 863

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	91.9	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 20000	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 18000	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 16000	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 14000	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 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	98.3	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	98.9	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	99.1	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	99.7	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	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 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	99.9	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	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	100.0	100.0	100.0	100.0	100.0	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 880

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 20000	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 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	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	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 10000	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 9000	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 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	99.8	99.8	99.8	99.8	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	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	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	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 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	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
GE 1800	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	100.0	100.0
GE 1500	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	100.0	100.0
GE 1200	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	100.0	100.0
GE 1000	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	100.0	100.0
GE 900	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	100.0	100.0
GE 800	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	100.0	100.0
GE 700	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	100.0	100.0
GE 600	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	100.0	100.0
GE 500	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	100.0	100.0
GE 400	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	100.0	100.0
GE 300	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	100.0	100.0
GE 200	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	100.0	100.0
GE 100	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	100.0	100.0
GE 000	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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 876

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 20000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 18000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
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	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 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	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 9000	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 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	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 6000	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 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 872

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 20000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 18000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 16000	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 14000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 12000	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 10000	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 9000	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 8000	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 7000	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	98.1
GE 6000	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 5000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 860

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 20000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 18000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 16000	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 14000	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 12000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 10000	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 9000	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 8000	95.0	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	98.3	98.3	98.3	98.3	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 6000	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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 875

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 20000	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 18000	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 16000	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 14000	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 12000	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 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	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 8000	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 7000	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	99.1
GE 6000	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 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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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 6964

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS: 00-02

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	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 20000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 18000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 16000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 14000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 12000	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 10000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 9000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 8000	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 7000	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 6000	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 5000	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 4500	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 4000	99.8	99.8	99.8	99.8	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	100.0	100.0	100.0	100.0	100.0	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 895

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF C' ING VERSUS VISIBILITY
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 20000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 18000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 16000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 14000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 12000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 10000	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 9000	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 8000	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 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	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 5000	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 4500	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 4000	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 3500	99.8	99.8	99.8	99.8	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	99.9	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 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 897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 20000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 18000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 16000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 14000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 12000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 10000	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 9000	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 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	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 6000	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 5000	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 4500	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	98.9	98.9
GE 4000	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3000	99.4	99.4	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
GE 2500	99.4	99.4	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 2000	99.4	99.4	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 1800	99.4	99.4	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 1500	99.5	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 888

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 20000	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 18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77 7	77.7	77.7	77.7	77.7	77.7
GE 16000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 14000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 12000	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 10000	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 9000	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 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	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	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	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 4500	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 4000	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 3500	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 3000	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 2500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 889

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
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	77.4	77.4	77.4	77.4
GE 18000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 16000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 14000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 12000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 10000	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 9000	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 8000	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 7000	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 6000	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 5000	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 4500	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 4000	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	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 3000	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 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 897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 20000	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 18000	68.8	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 16000	68.8	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 14000	69.9	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 12000	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 10000	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 9000	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 8000	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 7000	90.6	90.6	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 6000	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	95.2	95.2
GE 5000	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	99.2	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 4000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	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	100.0
GE 3000	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	100.0
GE 2500	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	100.0
GE 2000	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	100.0
GE 1800	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	100.0
GE 1500	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	100.0
GE 1200	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	100.0
GE 1000	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	100.0
GE 900	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	100.0
GE 800	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	100.0
GE 700	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	100.0
GE 600	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	100.0
GE 500	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	100.0
GE 400	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	100.0
GE 300	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	100.0
GE 200	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	100.0
GE 100	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	100.0
GE 000	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	100.0

TOTAL NUMBER OF OBSERVATIONS 905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 20000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 18000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 16000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 14000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 12000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 10000	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 9000	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 8000	83.4	83.4	83.4	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 7000	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 6000	94.8	94.8	94.8	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
GE 5000	98.3	98.3	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	98.8
GE 4500	98.8	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 4000	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 3500	99.4	99.4	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	100.0
GE 3000	99.4	99.4	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	100.0
GE 2500	99.4	99.4	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	100.0
GE 2000	99.4	99.4	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	100.0
GE 1800	99.4	99.4	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	100.0
GE 1500	99.4	99.4	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	100.0
GE 1200	99.4	99.4	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	100.0
GE 1000	99.4	99.4	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	100.0
GE 900	99.4	99.4	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	100.0
GE 800	99.4	99.4	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	100.0
GE 700	99.4	99.4	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	100.0
GE 600	99.4	99.4	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	100.0
GE 500	99.4	99.4	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	100.0
GE 400	99.4	99.4	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	100.0
GE 300	99.4	99.4	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	100.0
GE 200	99.4	99.4	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	100.0
GE 100	99.4	99.4	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	100.0
GE 000	99.4	99.4	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	100.0

TOTAL NUMBER OF OBSERVATIONS 882

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 20000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 18000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 16000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 14000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 12000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 10000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 9000	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 8000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 7000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 6000	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 5000	98.4	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
GE 4500	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 4000	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 902

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 20000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 18000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 16000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 14000	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 12000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 10000	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 9000	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 8000	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
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	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 5000	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4500	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 4000	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 2000	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1800	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1500	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7155

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: AUG HOURS: 00-02

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	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8
GE 20000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
GE 18000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0
GE 16000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0
GE 14000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5
GE 12000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9
GE 10000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9
GE 9000	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	81.3
GE 8000	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	82.6
GE 7000	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	87.5
GE 6000	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	92.6
GE 5000	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	97.9
GE 4500	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	98.4	98.5
GE 4000	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
GE 3500	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
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	99.9
GE 2500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 2000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1800	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1200	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 900	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 800	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 700	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 600	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 889

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 20000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 18000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 16000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 14000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 12000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 10000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 9000	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 8000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 7000	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 6000	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	93.0	93.0
GE 5000	97.3	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	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4000	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3500	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 3000	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 20000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 18000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 16000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 14000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 12000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 10000	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 9000	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 8000	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 7000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 6000	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 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	97.9	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 4000	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 3500	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 3000	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 2500	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 902

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 20000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 18000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 16000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 14000	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 12000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 10000	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 9000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 8000	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 7000	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 6000	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 5000	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 4500	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 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	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
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	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
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	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 16000	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 14000	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 12000	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 10000	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 9000	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 8000	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 7000	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 6000	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 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	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 4000	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 3500	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 3000	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 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	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
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 889

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 20000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 18000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 16000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 14000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 10000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 9000	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 8000	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 7000	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 6000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 5000	96.7	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 4500	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4000	98.4	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	98.8	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3000	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 2500	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 2000	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 1800	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 1500	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 1200	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 1000	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 900	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 800	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 700	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 600	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 500	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 400	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 300	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 200	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 100	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 000	99.2	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 903

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 20000	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 18000	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 16000	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 14000	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 10000	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 9000	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 8000	81.8	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	81.9	81.9
GE 7000	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 6000	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 5000	98.1	98.1	98.2	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 4500	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	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	99.4	99.4	99.4
GE 3500	99.2	99.2	99.3	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 3000	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 20000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 18000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 16000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 14000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 12000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 10000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 9000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 8000	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 7000	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 6000	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 5000	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 4500	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 4000	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 3500	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 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 913

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 20000	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	70.3
GE 18000	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 16000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 14000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
GE 12000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 10000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 9000	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 8000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 7000	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 6000	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 5000	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4500	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 2500	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1800	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1500	99.7	99.8	99.9	99.9	99.9	99.9	99.9	9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1200	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	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	99.7	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	99.7	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	99.7	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	99.7	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	99.7	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	99.7	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	99.7	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	99.7	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	99.7	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	99.7	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 7191

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: SEP HOURS: 00-02

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	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 20000	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 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	83.6	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	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 12000	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 10000	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 9000	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 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	94.9	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 6000	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 5000	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 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	99.2	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 3500	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 3000	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 2500	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 2000	99.8	99.8	99.8	99.8	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	100.0	100.0	100.0	100.0	100.0	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 870

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 20000	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 18000	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 16000	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 14000	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 12000	88.1	88.1	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 10000	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 9000	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 8000	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 7000	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 6000	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 5000	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	98.9	98.9
GE 4500	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4000	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 3500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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 881

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 20000	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 18000	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 16000	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 14000	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 12000	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 10000	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 9000	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 8000	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 7000	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 6000	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 5000	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4500	99.1	99.2	99.2	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
GE 4000	99.2	99.3	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
GE 3500	99.7	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 3000	99.7	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	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	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	100.0	100.0	100.0
GE 1800	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	100.0	100.0	100.0
GE 1500	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	100.0	100.0	100.0
GE 1200	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	100.0	100.0	100.0
GE 1000	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	100.0	100.0	100.0
GE 900	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	100.0	100.0	100.0
GE 800	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	100.0	100.0	100.0
GE 700	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	100.0	100.0	100.0
GE 600	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	100.0	100.0	100.0
GE 500	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	100.0	100.0	100.0
GE 400	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	100.0	100.0	100.0
GE 300	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	100.0	100.0	100.0
GE 200	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	100.0	100.0	100.0
GE 100	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	100.0	100.0	100.0
GE 000	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	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 873

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	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 20000	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 18000	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 16000	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 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	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 10000	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 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	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	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 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	98.7	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 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	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.8	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 3000	99.8	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 2500	99.8	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 2000	99.8	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 1800	99.8	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 1500	99.8	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	99.8	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	99.8	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	99.8	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	99.8	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	99.8	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	99.8	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	99.8	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	99.8	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	99.8	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	99.8	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	99.8	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	99.8	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 879

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 18000	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 16000	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 14000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 12000	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 10000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 9000	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 8000	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 7000	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 6000	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 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	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 4000	98.5	98.6	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3500	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3000	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	99.2	99.3	99.3	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.3	99.4	99.4	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
GE 1800	99.3	99.4	99.4	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
GE 1500	99.3	99.4	99.4	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
GE 1200	99.3	99.5	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.3	99.5	99.5	99.7	99.7	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	99.5	99.5	99.7	99.7	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	99.5	99.5	99.7	99.7	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	99.5	99.5	99.7	99.7	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	99.5	99.5	99.7	99.7	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	99.5	99.5	99.7	99.7	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	99.5	99.5	99.7	99.7	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	99.5	99.5	99.7	99.7	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	99.5	99.5	99.7	99.7	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	99.5	99.5	99.7	99.7	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	99.5	99.5	99.7	99.7	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 870

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 20000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 18000	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 16000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 14000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 12000	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 10000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 9000	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 8000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 7000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 6000	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 5000	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	97.9	97.9
GE 4500	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 4000	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	98.9	98.9
GE 3500	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	99.4	99.4
GE 3000	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	99.5	99.5
GE 2500	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	99.5	99.5
GE 2000	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	99.5	99.5
GE 1800	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	99.5	99.5
GE 1500	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	99.7	99.7
GE 1200	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	99.7	99.7
GE 1000	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	99.7	99.7
GE 900	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	99.7	99.7
GE 800	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	99.7	99.7
GE 700	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 874

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 20000	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 18000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 16000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 14000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 12000	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 10000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 9000	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 8000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 7000	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 6000	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 5000	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4500	98.7	98.7	98.9	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	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3500	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.4	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 872

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 20000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 18000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 16000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 14000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 12000	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 10000	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 9000	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 8000	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 7000	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 6000	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	95.1
GE 5000	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 4500	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000	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 3500	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3000	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 883

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
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	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 16000	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 14000	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 12000	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 10000	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 9000	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 8000	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 7000	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 6000	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 5000	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 4500	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	98.9	98.9
GE 4000	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	99.2
GE 3500	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	99.6
GE 3000	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 1800	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.7	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	100.0	100.0
GE 400	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	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
GE 200	99.7	99.7	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
GE 100	99.7	99.7	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
GE 000	99.7	99.7	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

TOTAL NUMBER OF OBSERVATIONS 7002

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT HOURS: 00-02

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	82.5	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 20000	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 18000	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 16000	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 14000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 12000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 10000	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 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	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 7000	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 6000	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 5000	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 4500	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	98.0	98.0
GE 4000	98.3	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	98.6
GE 3500	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	99.6	99.6
GE 3000	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	99.8	99.8
GE 2500	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	99.8	99.8
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 907

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	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	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 18000	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 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	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	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 10000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 9000	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 8000	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 7000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 6000	92.7	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
GE 5000	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 4500	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	97.4
GE 4000	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3500	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	99.1	99.1
GE 3000	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	99.6	99.6
GE 2500	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.5	99.5	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	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 914

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 20000	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 18000	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 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	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 12000	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 10000	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 9000	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 8000	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 7000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 6000	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 5000	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 4500	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	97.2	97.2	97.2
GE 4000	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3500	99.1	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 3000	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	99.6	99.6
GE 2500	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	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 1800	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 1500	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 1200	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 1000	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 900	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 800	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 700	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 600	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 904

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 20000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 18000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 16000	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 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	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 10000	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 9000	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 8000	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 7000	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 6000	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 5000	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 4500	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 4000	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 3500	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 3000	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 2500	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.7	99.7	99.7	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 904

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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	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 18000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 16000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 14000	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 12000	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 10000	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 9000	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 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	92.2	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 6000	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 5000	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 4500	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	98.0
GE 4000	98.6	98.6	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 3500	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 3000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	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 800	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 700	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 600	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 500	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 400	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 898

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 20000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 18000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 16000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 14000	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 12000	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 10000	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 9000	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 8000	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 7000	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 6000	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 5000	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 4500	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	98.9	98.9	98.9
GE 4000	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3500	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 909

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 20000	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 18000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 16000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 14000	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 12000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 10000	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 9000	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 8000	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 7000	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 6000	93.1	93.2	93.2	93.2	93.2	93.2	93,2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 5000	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4500	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 4000	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.4	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	100.0	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	99.9	100.0	100.0	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 902

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: OCT 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	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	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 18000	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 16000	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 14000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
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	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 7000	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 6000	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 5000	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	97.8	97.8
GE 4500	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 4000	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	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	99.9	99.9
GE 1800	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	99.9	99.9
GE 1500	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 910

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 20000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 18000	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 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	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 12000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 10000	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 9000	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 8000	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 7000	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 6000	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 5000	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4500	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	98.1
GE 4000	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3500	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	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	99.9	99.9
GE 1000	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	99.9	99.9
GE 900	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7248

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS: 00-02

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	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7
GE 20000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.1	85.1
GE 18000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.1	85.1
GE 16000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.2	85.2
GE 14000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.4	86.4
GE 12000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.2
GE 10000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7
GE 9000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.7	89.7
GE 8000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.9	89.9
GE 7000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.6	90.6
GE 6000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.5
GE 5000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8
GE 4500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2
GE 4000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.	96.7
GE 3500	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	98.2	98.2
GE 3000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
GE 2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 1500	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7
GE 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7
GE 1000	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 900	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 800	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 700	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 600	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 500	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 400	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 300	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9
GE 200	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9
GE 100	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0
GE 000	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 870

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 20000	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 18000	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 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	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 12000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 10000	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 9000	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 8000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 7000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 6000	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 5000	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 4500	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 4000	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 3500	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 3000	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 2500	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 2000	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 1800	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 1500	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 1200	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 1000	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 900	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 800	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 700	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 600	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4
GE 500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5
GE 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7
GE 300	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 200	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 881

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 20000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 18000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 16000	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 14000	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 12000	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 10000	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 9000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 8000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 7000	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 6000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 5000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4500	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 4000	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 3500	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 3000	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 2500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	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	99.1
GE 1800	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	99.1	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	99.3
GE 1000	99.1	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	99.3
GE 900	99.1	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	99.3
GE 800	99.1	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	99.1	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	99.1	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	99.2	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
GE 400	99.2	99.2	99.4	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	99.2	99.2	99.4	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 200	99.2	99.2	99.4	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0
GE 100	99.2	99.2	99.4	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0
GE 000	99.2	99.2	99.4	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 873

OPERATING LOCATION "A"
USAFETAC, ASHEVILLF NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0
GE 20000	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6
GE 18000	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6
GE 16000	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6
GE 14000	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2
GE 12000	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4
GE 10000	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0
GE 9000	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.1	89.1	89.1	89.1
GE 8000	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
GE 7000	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0
GE 6000	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8
GE 5000	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0
GE 4500	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4	96.4
GE 4000	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
GE 3500	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE 3000	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 2500	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 2000	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1800	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1500	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1200	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 1000	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 900	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 800	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 700	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 600	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 500	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 877

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 20000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 18000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 16000	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 14000	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 12000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 10000	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 9000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 8000	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 7000	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 6000	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 5000	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 4500	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 4000	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 3500	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 3000	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	98.8	98.8	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 2000	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	99.3	99.3	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	99.4	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.5	99.5	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	99.5	99.5	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	99.5	99.5	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	99.5	99.5	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	99.5	99.5	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	99.5	99.5	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	99.5	99.5	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	99.5	99.5	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	99.5	99.5	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	99.5	99.5	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 859

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 20000	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 18000	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 16000	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 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	89.1	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 10000	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 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	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 7000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
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	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 4000	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 3500	98.2	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 3000	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.9	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	100.0	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	100.0	100.0	100.0	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 877

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 20000	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 18000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 16000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
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	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 10000	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 9000	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 8000	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 7000	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 6000	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 5000	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 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	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 3500	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 3000	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 872

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	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 20000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 18000	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 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	87.5	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	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
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	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 7000	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 6000	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 5000	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 4500	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 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	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	99.1
GE 3000	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
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	99.5	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 1800	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 1500	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	99.9	99.9
GE 1200	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	99.9	99.9
GE 1000	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	99.9	99.9
GE 900	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	99.9	99.9
GE 800	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	99.9	99.9
GE 700	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	99.9	99.9
GE 600	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	99.9	99.9
GE 500	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	100.0
GE 400	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	100.0
GE 300	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	100.0
GE 200	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	100.0
GE 100	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	100.0
GE 000	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	100.0

TOTAL NUMBER OF OBSERVATIONS 875

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 9
LST TO UTC: + 7 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	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1
GE 20000	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 18000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 16000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6
GE 14000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8
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	88.3	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
GE 9000	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 8000	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 7000	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 6000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 5000	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	94.5	94.5
GE 4500	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 4000	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 3500	98.2	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 3000	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	98.9	98.9
GE 2500	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
GE 2000	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 1800	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1500	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 900	99.4	99.4	99.6	99.6	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 800	99.4	99.4	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
GE 700	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 500	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 400	99.5	99.5	99.7	99.7	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 300	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6984

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: DEC HOURS: 00-02

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	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 20000	82.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 18000	82.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 16000	82.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 14000	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	83.0
GE 12000	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 10000	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 9000	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 8000	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	85.9	85.9
GE 7000	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 6000	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 5000	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 4500	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	92.5	92.5	92.5
GE 4000	93.4	93.5	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 3500	94.3	94.4	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 3000	95.3	95.4	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 2500	97.0	97.3	97.8	97.8	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 2000	97.2	97.7	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	97.2	97.7	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	97.2	97.8	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	97.2	97.8	98.8	98.9	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 1000	97.3	97.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	97.3	97.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	97.3	97.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	97.3	97.9	98.9	99.0	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 600	97.3	97.9	98.9	99.0	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 500	97.3	97.9	98.9	99.0	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 400	97.3	97.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	97.3	97.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	97.3	97.9	98.9	99.0	99.2	99.2	99.2	99.3	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	97.3	97.9	98.9	99.0	99.2	99.2	99.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.3	97.9	98.9	99.0	99.2	99.2	99.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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
NO CEIL	77.1	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 20000	79.7	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 18000	79.7	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 16000	79.8	80.0	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 14000	80.3	80.5	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 12000	81.7	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 10000	82.0	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 9000	83.2	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 8000	83.9	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 7000	84.5	84.7	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 6000	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 5000	90.2	90.4	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	90.7
GE 4500	92.0	92.2	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4000	93.3	93.5	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3500	94.6	94.8	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3000	95.6	95.8	96.1	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 2500	96.4	96.7	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
GE 2000	96.7	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 1800	96.8	97.1	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	97.0	97.4	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	97.0	97.4	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	97.0	97.4	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	97.0	97.4	98.1	98.2	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 800	97.0	97.4	98.1	98.2	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 700	97.0	97.4	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5
GE 600	97.1	97.5	98.2	98.3	98.5	98.5	98.6	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 500	97.1	97.5	98.2	98.3	98.5	98.5	98.6	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 400	97.1	97.5	98.2	98.5	98.6	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2
GE 300	97.1	97.5	98.2	98.6	98.7	98.7	98.8	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.6	99.6
GE 200	97.1	97.5	98.2	98.6	98.7	98.7	98.8	99.4	99.4	99.4	99.6	99.6	99.8	99.8	99.9	100.0
GE 100	97.1	97.5	98.2	98.6	98.7	98.7	98.8	99.4	99.4	99.4	99.6	99.6	99.8	99.8	99.9	100.0
GE 000	97.1	97.5	98.2	98.6	98.7	98.7	98.8	99.4	99.4	99.4	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 907

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	76.1	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.5
GE 20000	80.4	80.5	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8
GE 18000	80.5	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
GE 16000	80.6	80.7	80.7	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0
GE 14000	81.6	81.7	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0
GE 12000	83.9	84.0	84.0	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4
GE 10000	85.0	85.1	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5
GE 9000	86.0	86.1	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5
GE 8000	86.4	86.5	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
GE 7000	86.8	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.3
GE 6000	86.9	87.0	87.0	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4
GE 5000	90.7	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
GE 4500	92.5	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
GE 4000	93.2	93.3	93.3	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7
GE 3500	95.9	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3
GE 3000	96.6	96.7	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1
GE 2500	97.7	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
GE 2000	97.8	97.9	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6
GE 1800	97.8	97.9	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6
GE 1500	98.1	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
GE 1200	98.1	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
GE 1000	98.2	98.3	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 900	98.2	98.3	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 800	98.2	98.3	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 700	98.2	98.3	98.4	98.7	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 600	98.2	98.3	98.4	98.7	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 500	98.3	98.4	98.6	98.8	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
GE 400	98.3	98.4	98.6	98.8	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
GE 300	98.3	98.4	98.6	98.8	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 200	98.3	98.4	98.6	98.8	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.8
GE 100	98.3	98.4	98.6	98.8	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.8
GE 000	98.3	98.4	98.6	98.8	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 902

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.1	74.1	74.1	74.1
GE 20000	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5
GE 18000	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5
GE 16000	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.7
GE 14000	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9
GE 12000	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3
GE 10000	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3
GE 9000	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0
GE 8000	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1
GE 7000	88.6	88.6	88.6	88.6	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 6000	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
GE 5000	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9
GE 4500	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 4000	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5
GE 3500	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 3000	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5
GE 2500	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE 2000	98.3	98.3	98.3	98.3	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 1800	98.4	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 1500	98.7	98.7	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 1200	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1000	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 900	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 800	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 700	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 600	99.0	99.0	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	99.0	99.0	99.2	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	99.0	99.0	99.2	99.3	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	99.0	99.0	99.2	99.3	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	99.0	99.0	99.2	99.3	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	99.0	99.0	99.2	99.3	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 000	99.0	99.0	99.2	99.3	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 902

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 20000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 18000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 16000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 14000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 12000	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 10000	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 9000	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 8000	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 7000	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 6000	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 5000	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 4500	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 4000	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 3500	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 3000	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2500	98.1	98.1	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 2000	98.9	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	98.9	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	98.9	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	99.0	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
GE 1000	99.0	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
GE 900	99.1	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	99.1	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	99.2	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	99.2	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 20000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 18000	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 16000	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 14000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 12000	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 10000	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 9000	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 8000	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 7000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 6000	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 5000	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 4500	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 4000	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3500	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	96.8	96.9	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	97.4
GE 2500	98.0	98.1	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	98.2	98.5	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 1800	98.2	98.5	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 1500	98.2	98.6	99.1	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	98.2	98.6	99.2	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	98.2	98.6	99.2	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	98.4	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.4	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	98.4	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	98.4	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	98.4	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	98.4	98.7	99.3	99.5	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 300	98.4	98.7	99.3	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.4	98.7	99.3	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.4	98.7	99.3	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.4	98.7	99.3	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 911

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 20000	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 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	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 12000	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 10000	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 9000	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 8000	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 7000	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 6000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 5000	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 4500	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 4000	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	95.2	95.2
GE 3500	96.6	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3000	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 2500	97.6	97.6	97.8	97.8	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 2000	97.7	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	97.8	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	98.0	98.0	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	98.2	98.2	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	98.2	98.2	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	98.2	98.2	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	98.3	98.3	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	98.3	98.3	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	98.3	98.3	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	98.3	98.3	99.2	99.2	99.3	99.6	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.3	98.3	99.2	99.2	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.3	98.3	99.2	99.2	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.3	98.3	99.2	99.2	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.3	98.3	99.2	99.2	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.3	98.3	99.2	99.2	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 904

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 20000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 18000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 16000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 14000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 12000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 10000	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 9000	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 8000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 7000	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 6000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 5000	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 4500	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4000	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 3500	96.1	96.2	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 3000	97.0	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	97.3	97.8	98.2	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 2000	97.6	98.0	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
GE 1800	97.7	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	97.9	98.3	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 1200	98.0	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	98.1	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	98.1	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	98.1	98.6	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 700	98.1	98.6	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 600	98.1	98.6	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 500	98.1	98.6	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	98.1	98.6	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	98.1	98.6	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	98.1	98.6	99.4	99.7	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	98.1	98.6	99.4	99.7	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	98.1	98.6	99.4	99.7	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 905

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4
GE 20000	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 18000	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	80.4
GE 16000	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5
GE 14000	81.3	81.4	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
GE 12000	83.4	83.5	83.5	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 10000	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0
GE 9000	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 8000	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4
GE 7000	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1
GE 6000	87.6	87.7	87.7	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
GE 5000	91.4	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 4500	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4000	94.2	94.2	94.3	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
GE 3500	95.8	95.9	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	96.2
GE 3000	96.6	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1
GE 2500	97.5	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	97.8	98.0	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	97.9	98.0	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	98.0	98.2	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	98.1	98.3	98.8	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 1000	98.1	98.3	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 900	98.2	98.4	98.9	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
GE 800	98.2	98.4	99.0	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	98.2	98.4	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	98.2	98.4	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	98.2	98.5	99.0	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	98.2	98.5	99.0	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	98.2	98.5	99.1	99.2	99.4	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	98.2	98.5	99.1	99.2	99.4	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	98.2	98.5	99.1	99.2	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 000	98.2	98.5	99.1	99.2	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7230

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 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	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 20000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
GE 18000	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 16000	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 14000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 12000	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 10000	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 9000	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 8000	89.9	89.9	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
GE 7000	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	91.5
GE 6000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3
GE 5000	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 4500	96.9	96.9	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 4000	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
GE 3500	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	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	99.6
GE 1800	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1000	99.4	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.5	99.6	99.7	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
GE 100	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 85071

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	50.4	16.9	14.1	18.4	.2	32.7	.6	895
03-05	52.2	14.6	15.2	17.9	.1	33.2	.4	903
06-08	45.3	16.5	16.4	21.6	.1	38.2	1.0	901
09-11	42.2	19.5	14.2	24.0		38.3	.5	886
12-14	35.7	23.0	19.1	22.2		41.3	.1	888
15-17	33.6	19.5	22.4	24.5		46.9	.1	891
18-20	39.6	19.6	18.6	21.9	.2	40.8	.2	893
21-23	48.3	18.2	15.1	18.5		33.6	.1	903
ALL HOURS	43.4	18.5	16.9	21.1	.1	38.1	.4	7160

MONTH: FEB HOURS: ALL

00-02	44.8	19.7	14.5	20.8	.1	35.4	.1	821
03-05	49.8	15.8	14.1	20.1	.2	34.4	.1	816
06-08	43.7	18.3	15.8	21.9	.2	37.9		812
09-11	40.8	16.8	16.2	26.1		42.3		808
12-14	30.6	21.5	19.3	28.6		47.9		808
15-17	26.7	24.5	16.3	32.5		48.8		816
18-20	32.0	18.4	20.0	29.6		49.6		815
21-23	43.7	18.6	13.2	24.4	.1	37.7	.2	824
ALL HOURS	39.0	19.2	16.2	25.5	.1	41.7	.1	6520

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	48.1	19.2	14.0	18.7		32.7		908
03-05	49.8	18.6	13.4	18.3		31.6		898
06-08	44.5	18.8	16.9	19.9		36.7		901
09-11	40.3	19.5	16.6	23.5		40.2		889
12-14	33.7	22.5	18.7	25.1		43.8		888
15-17	32.0	18.7	19.9	29.4		49.3		891
18-20	35.2	22.4	17.2	25.2		42.4		912
21-23	47.2	19.2	13.1	20.4		33.6		900
ALL HOURS	41.4	19.9	16.2	22.6		38.8		7187

MONTH: APR HOURS: ALL

00-02	51.7	19.3	13.6	15.3		29.0		880
03-05	54.0	18.5	14.0	13.4		27.4		879
06-08	46.3	19.9	15.2	18.5		33.8		868
09-11	44.4	19.6	17.5	18.5		36.0		858
12-14	34.2	26.0	20.5	19.3		39.8		862
15-17	29.0	29.4	21.6	20.0		41.6		863
18-20	33.4	25.8	17.6	21.2		38.8		858
21-23	50.7	18.8	13.9	16.6		30.5		869
ALL HOURS	43.3	22.1	16.7	17.8		34.6		6937

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	59.5	20.3	9.5	10.7		20.2		901
03-05	63.7	19.7	7.9	8.6		16.5		907
06-08	56.1	19.8	13.3	10.8		24.1		893
09-11	55.7	22.9	12.9	8.5		21.4		885
12-14	44.7	29.7	14.8	10.9		25.6		893
15-17	42.0	28.7	15.4	14.0		29.4		879
18-20	44.5	23.1	17.6	14.8		32.4	.1	892
21-23	55.9	19.7	11.1	13.3		24.4		910
ALL HOURS	52.8	23.0	12.8	11.4		24.2	.0	7160

MONTH: JUN HOURS: ALL

00-02	63.9	18.6	10.0	7.5		17.5		859
03-05	66.9	17.1	8.6	7.4		16.0		863
06-08	55.2	24.0	12.0	8.8		20.8		857
09-11	58.2	23.3	11.1	7.5		18.5		868
12-14	48.1	30.0	13.4	8.5		21.9		871
15-17	40.6	29.2	18.8	11.4		30.2		852
18-20	47.8	19.7	21.0	11.5		32.5		858
21-23	56.8	17.7	13.8	11.6		25.4		869
ALL HOURS	54.7	22.5	13.6	9.3		22.8		6897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	22.3	21.3	25.8	30.6		56.4		896
03-05	23.9	24.8	27.7	23.7		51.3		875
06-08	22.2	25.6	30.1	22.2		52.2		875
09-11	28.0	32.2	25.1	14.4	.2	39.7		856
12-14	17.2	43.3	27.5	12.0		39.5		886
15-17	11.2	38.6	31.7	18.6		50.3	.1	887
18-20	12.4	22.2	35.2	30.2		65.4	.1	878
21-23	18.5	18.7	28.9	33.9		62.8	.1	695
ALL HOURS	19.4	28.3	29.0	23.2	.0	52.3	.0	7048

MONTH: AUG HOURS: ALL

00-02	24.4	22.0	23.4	30.2		53.6		888
03-05	28.3	26.4	22.8	22.5		45.3	.2	886
06-08	20.6	32.6	28.6	18.2		46.8	.2	889
09-11	29.5	35.2	23.2	12.1		35.3		858
12-14	17.0	46.0	28.3	8.8		37.1		877
15-17	10.1	38.2	35.0	16.4	.2	51.7	.3	877
18-20	8.7	26.7	32.0	32.5	.1	64.6		898
21-23	18.8	23.6	24.5	33.1		57.6		903
ALL HOURS	19.6	31.3	27.2	21.8	.0	49.1	.1	7076

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	51.1	22.5	14.5	11.8		26.3		870
03-05	51.2	26.4	12.8	9.6		22.4	.1	867
06-08	43.5	32.7	15.4	8.4		23.8		865
09-11	43.6	33.3	16.2	6.9		23.1		841
12-14	30.3	43.6	18.2	7.9		26.0		864
15-17	21.4	43.9	23.3	11.4		34.7	.1	850
18-20	27.8	32.9	23.3	16.0		39.3		870
21-23	43.2	24.0	18.3	14.4		32.7	.1	874
ALL HOURS	39.1	32.4	17.7	10.8		28.6	.0	6901

MONTH: OCT HOURS: ALL

00-02	57.8	19.7	12.2	10.3		22.5		907
03-05	60.1	16.3	13.5	10.1		23.6		903
06-08	49.8	23.5	15.2	11.5		26.7		896
09-11	49.7	21.9	17.2	11.1		28.3	.1	889
12-14	39.8	28.4	18.0	13.8		31.8		887
15-17	37.2	27.6	21.0	14.1		35.1		894
18-20	42.5	25.3	18.1	14.1		32.3		899
21-23	51.8	24.0	12.9	11.2		24.1		899
ALL HOURS	48.6	23.3	16.0	12.0		28.0	.0	7174

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	58.2	17.7	11.2	12.8	.1	24.1	.5	869
03-05	55.8	18.1	12.2	13.6	.3	26.1	.3	869
06-08	48.7	19.8	15.3	15.9	.3	31.5	.1	870
09-11	45.6	20.9	15.6	17.7	.1	33.4	.2	864
12-14	41.3	22.5	18.4	17.8		36.2		853
15-17	40.2	25.4	14.1	20.4		34.5		859
18-20	46.7	19.0	17.0	17.3		34.2		873
21-23	55.8	16.1	12.9	15.2		28.1		868
ALL HOURS	49.1	19.9	14.6	16.3	.1	31.0	.1	6925

MONTH: DEC HOURS: ALL

00-02	50.9	19.0	12.8	16.8	.4	30.0	.4	899
03-05	54.1	17.5	15.0	12.7	.7	28.4	.7	905
06-08	45.0	20.0	15.4	19.3	.3	35.1	.8	901
09-11	40.2	18.8	18.5	22.3	.1	40.9	.5	887
12-14	35.1	20.6	20.4	23.9		44.3	.1	897
15-17	35.7	18.6	19.8	25.8		45.7	.2	898
18-20	40.0	17.6	18.2	24.1		42.3	.1	907
21-23	49.7	17.7	11.9	20.7		32.6	.1	893
ALL HOURS	43.9	18.7	16.5	20.7	.2	37.4	.4	7187

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
USAFETAC, ASHEVILLE NC *FROM HOURLY OBSERVATIONS*

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	48.6	19.7	14.7	17.0	.1	31.7	.1	10593
03-05	50.9	19.5	14.8	14.8	.1	29.7	.2	10571
06-08	43.4	22.6	17.5	16.4	.1	34.0	.2	10528
09-11	43.3	23.7	17.0	16.0	.0	33.1	.1	10389
12-14	34.0	29.8	19.7	16.5		36.2	.0	10474
15-17	30.0	28.5	21.7	19.9	.0	41.5	.1	10457
18-20	34.4	22.7	21.3	21.5	.0	42.9	.0	10553
21-23	45.0	19.7	15.8	19.5	.0	35.3	.1	10607
ALL HOURS	41.2	23.3	17.8	17.7	.0	35.5	.1	84172

PPPPPPPP AAAAAA RRRRRRRR TTTTTTTTTT EEEEEEEEEE
PPPPPPPPP AAAAAAAA RRRRRRRRR TTTTTTTTTT EEEEEEEEEE
PP PP AA AA RR RR TT EE
PP PP AA AA RR RR TT EE
PPPPPPPPP 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

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 "GT 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: 722740 STATION NAME: TUCSON IAP AP
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

TEMP (DEG-F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE	115						.1							.0
GE	110						1.6	.9						.2
GE	105					1.2	19.5	14.6	3.0	1.4				3.3
GE	100				.2	7.0	51.2	47.5	28.1	15.6	.4			12.6
GE	95			.2	3.1	25.3	78.9	79.1	68.7	48.0	6.8			26.1
GE	90		.1	1.9	13.9	54.5	94.1	94.1	92.0	78.5	28.0	.1		38.5
GE	85	.2	1.9	8.7	39.1	76.8	99.0	98.7	98.7	92.9	54.5	5.1		48.4
GE	80	2.2	8.4	24.1	63.7	90.5	99.8	99.6	99.8	97.8	74.5	24.6	1.8	57.7
GE	75	10.4	23.5	44.8	79.4	96.2	99.9	99.9	99.9	99.5	87.3	47.5	12.8	67.2
GE	70	27.5	44.7	65.2	88.9	98.5	100.0	100.0	100.0	100.0	94.2	65.2	34.6	76.9
GE	65	49.5	65.5	80.2	94.9	99.8					97.9	81.7	57.6	85.8
GE	60	72.2	82.0	91.0	98.4	99.9					99.5	91.1	75.5	92.6
GE	55	86.8	93.2	96.8	99.7	100.0					99.8	97.4	88.7	96.9
GE	50	94.6	97.6	99.5	100.0						100.0	99.6	96.0	99.0
GE	45	98.2	99.6	100.0								99.9	99.2	99.7
GE	40	99.7	100.0									100.0	99.8	100.0
GE	35	100.0											100.0	100.0
MEAN		64.1	67.8	72.6	81.1	89.5	99.2	98.7	96.4	93.6	84.1	72.6	65.2	82.2
SD		8.43	8.77	9.14	8.58	7.51	5.88	5.59	4.75	5.92	8.12	8.58	8.26	14.85
TOTAL OBS		1302	1186	1301	1260	1302	1290	1333	1333	1290	1350	1319	1302	15568

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: 4606-9011
LST TO UTC: +07 MONTH: ALL HOURS: ALL

TEMP (DEG-F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE	85						.1	.4						.0
GE	80						2.6	6.5	1.2	.3				.9
GE	75					.5	14.9	38.0	21.0	7.4	.1			6.9
GE	70					3.2	39.4	86.6	78.4	35.2	1.4			20.7
GE	65			.1	1.6	14.2	67.2	99.5	99.2	72.4	11.9	.1		30.9
GE	60			.6	8.5	42.5	90.2	100.0	100.0	92.2	35.6	1.1		39.7
GE	55	.7	1.3	5.9	27.5	70.4	98.5			99.0	66.1	8.0	.8	48.7
GE	50	4.9	10.5	21.4	56.4	89.5	99.9			99.8	84.4	27.5	5.1	58.8
GE	45	18.7	30.2	50.7	81.0	97.5	100.0			99.9	94.1	56.9	20.8	71.2
GE	40	44.1	55.5	76.4	94.8	99.7				100.0	98.7	78.2	46.7	83.1
GE	35	71.4	78.7	92.7	99.5	100.0					99.9	91.7	75.7	92.6
GE	33	79.5	85.2	96.2	100.0						99.9	95.3	83.9	95.1
GE	30	90.2	92.9	98.4							99.9	98.9	92.1	97.7
GE	25	97.3	98.7	99.6							100.0	99.8	98.4	99.5
GE	20	99.4	100.0	100.0								100.0	99.8	99.9
GE	15	100.0											100.0	100.0
MEAN		38.3	40.4	44.3	50.5	57.9	67.7	73.5	72.0	67.3	56.5	45.1	39.0	54.5
SD		6.92	7.12	6.60	6.55	6.51	6.25	3.73	3.23	5.20	6.93	6.95	6.62	14.11
TOTAL OBS		1302	1186	1302	1260	1302	1290	1332	1333	1290	1350	1319	1302	15568

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

TEMP (DEG-F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE	95						1.1	1.2						.2
GE	90					.3	14.9	22.0	5.4	1.9				3.8
GE	85				.1	4.5	47.6	69.1	51.1	22.7	.3			16.5
GE	80				.7	18.4	77.7	96.0	91.8	63.2	8.3			30.1
GE	75			.5	10.1	50.0	94.0	99.5	99.6	89.1	30.7	.2		39.9
GE	70		.7	5.4	32.9	76.0	99.5	100.0	100.0	98.4	61.0	3.9		48.7
GE	65	1.2	6.2	21.3	62.9	91.5	100.0			99.7	82.6	24.8	1.2	58.1
GE	60	10.1	26.2	48.0	82.1	98.1				100.0	92.4	51.8	12.7	68.9
GE	55	33.3	50.8	72.0	93.7	99.8					97.9	75.2	40.9	80.6
GE	50	66.5	73.8	88.9	98.7	99.9					99.6	88.9	69.2	90.6
GE	45	85.3	90.6	97.7	99.9	100.0					99.9	97.3	87.6	96.6
GE	40	94.6	98.1	99.7	100.0						100.0	99.8	96.4	99.1
GE	35	99.2	99.9	100.0								100.0	99.2	99.9
GE	33	99.3	100.0										99.8	99.9
GE	30	99.6											99.9	100.0
GE	25	100.0											100.0	100.0
MEAN		51.5	54.4	58.6	66.0	73.9	83.7	86.4	84.4	80.7	70.6	59.1	52.4	68.6
SD		6.64	7.10	7.03	6.89	6.46	5.46	3.96	3.40	4.79	6.83	6.99	6.47	14.08
TOTAL OBS		1302	1186	1301	1260	1302	1290	1332	1333	1290	1350	1319	1302	15567

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46						107	105	105	102	89	84		107*
48										88*	81	76	88*
49	68	80	87	97	104	107	106	105	103	92	86	78	107
50	84	79	92	95	96	107	106	108	107	99	86	82	108
51	82	86	81	92	107	106	108	104	104	97	80	78	108
52	78	75	80	91	98	107	107	104	106	97	87	75	107
53	87	80	90	94	98	109	110	105	104	98	87	76	110
54	79	83	85	96	97	108	108	105	105	98	88	84	108
55	77	82	87	90	101	110	108	100	103	101	85	79	110
56	79	79	91	89	102	109	108	104	105	97	85	77	109
57	75	92	88	91	98	111	109	102	100	98	76	75	111
58	75	83	77	95	107	107	111	101	101	93	82	82	111
59	79	75	82	94	99	107	104	100	103	96	77	76	107
60	73	76	87	93	102	108	105	104	100	92	83	80	108
61	74	80	85	94	98	106	105	103	95	91	78	73	106
62	73	83	87	96	97	106	103	107	104	92	86	76	107
63	77	86	86	96	100	104	107	98	101	96	85	73	107
64	76	76	87	94	100	104	106	102	98	95	85	74	106
65	77	79	86	98	100	104	107	104	97	98	85	78	107
66	75	72	85	89	100	105	105	100	99	91	84	80	105
67	81	83	89	88	99	105	107	104	100	95	87	70	107
68	75	85	85	89	102	110	105	98	102	94	85	80	110
69	82	77	91	94	103	106	108	106	101	95	79	81	108
70	77	81	79	87	101	111	106	102	102	85	83	82	111
71	85	80	90	92	94	105	108	97	101	89	86	78	108
72	77	83	91	92	95	105	107	107	97	97	78	74	107
73	76	77	77	89	98	107	107	103	104	95	87	83	107
74	79	81	85	94	104	109	101	100	101	93	79	72	109
75	77	78	84	87	97	103	103	106	96	94	88	80	106
76	79	82	85	89	98	108	105	104	96	89	83	73	108
77	74	81	84	91	103	108	104	105	102	100	86	78	108
78	74	77	87	91	103	108	108	101	98	95	85	76	108
79	73	82	82	90	96	108	110	104	105	99	83	79	110
80	72	82	78	96	101	108	107	106	102	101	89	81	108

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	79	85	83	94	93	107	106	105	99	89	86	83	107
82	80	84	81	92	97	106	106	104	104	94	81	78	106
83	77	78	83	89	105	104	111	103	107	89	83	76	111
84	76	76	85	95	106	103	105	105	102	88	88	74	106
85	71	81	84	94	99	111	109	108	100	97	87	77	111
86	84	89	92	94	102	108	111	106	105	91	81	78	111
87	86	81	85	97	97	109	110	106	102	101	85	81	110
88	81	86	99	96	105	114	108	106	104	99	90	80	114
89	74	89	97	104	106	113	114	105	106	97	88	78	114
90	83	86	92	96	103	117	111	105	107	95	88		117*
GREATEST	87	92	99	104	107	117	114	108	107	101	90	84	117
TOTAL OBS	1302	1186	1301	1260	1302	1290	1333	1333	1290	1350	1319	1302	15568

THE GREATEST VALUE OF 117 OCCURRED ON 06/26/90

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: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46						61	66	66	61	44	30		30*
48										43*	29	23	23*
49	16	25	31	38	49	54	67	65	66	35	37	22	16
50	17	32	35	40	38	53	67	67	55	52	37	34	17
51	28	27	26	39	42	54	70	63	63	43	35	27	26
52	25	25	32	43	48	57	68	67	52	51	32	28	25
53	29	23	33	38	42	54	69	68	58	42	25	24	23
54	31	31	29	45	46	54	69	64	61	42	35	18	18
55	25	20	26	37	41	47	63	63	58	46	31	33	20
56	33	25	26	34	47	63	66	61	64	37	28	26	25
57	29	33	36	42	46	59	69	65	58	44	30	27	27
58	27	31	33	37	52	60	66	68	54	46	24	28	24
59	26	27	28	44	43	59	68	68	57	39	34	28	26
60	24	24	30	34	46	57	63	67	58	45	27	20	20
61	32	32	34	43	46	52	64	64	56	38	32	32	32
62	21	29	27	44	46	50	65	65	60	45	32	35	21
63	21	33	30	37	53	53	70	66	63	51	39	27	21
64	18	24	29	38	41	58	69	65	56	50	31	32	18
65	30	22	20	37	40	52	68	66	44	41	37	30	20
66	27	29	24	43	52	56	66	68	63	43	32	23	23
67	20	30	32	34	39	55	68	69	63	41	38	26	20
68	32	30	36	37	47	54	68	63	55	45	33	19	19
69	27	28	27	43	39	57	69	70	61	41	34	24	24
70	23	24	36	36	43	57	69	70	55	35	39	29	23
71	17	27	22	39	46	50	68	67	55	26	35	27	17
72	23	30	35	37	48	61	66	64	55	38	32	26	23
73	26	33	33	35	44	56	63	66	55	43	32	28	26
74	28	26	32	39	44	58	67	67	60	39	35	16	16
75	25	25	31	34	40	59	67	69	59	40	31	26	25
76	23	31	30	33	48	54	68	66	59	45	29	27	23
77	29	28	34	37	47	63	70	70	64	51	38	36	28
78	29	29	39	37	48	59	67	68	55	49	37	20	20
79	25	32	35	36	44	56	67	63	62	42	24	31	24
80	34	38	38	40	43	54	68	66	60	39	32	31	31

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	35	29	38	38	51	62	68	66	61	35	34	27	27
82	29	29	31	40	49	57	62	65	53	39	34	27	27
83	30	33	35	36	47	58	64	65	63	52	30	30	30
84	28	28	34	37	50	63	67	67	62	47	26	30	26
85	31	24	32	43	50	55	70	66	55	50	31	26	24
86	36	31	37	41	44	64	65	68	54	44	35	29	29
87	19	32	33	42	50	62	64	64	57	54	32	23	19
88	26	35	31	39	40	55	69	70	53	56	32	20	20
89	24	31	32	41	48	58	70	65	57	40	32	26	24
90	28	23	30	45	49	57	66	65	59	44	30		23*
LEAST	16	20	20	33	38	47	62	61	44	26	24	16	16
TOTAL OBS	1302	1186	1302	1260	1302	1290	1332	1333	1290	1350	1319	1302	15568

THE LEAST VALUE OF 16 OCCURRED ON 01/04/49

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: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46						86	86	84	81	66	55		76*
48										67*	54	51	56*
49	43	50	58	68	74	83	85	84	82	67	65	51	68
50	51	57	61	69	72	82	83	85	79	77	63	57	70
51	51	54	58	65	74	81	89	85	83	73	59	52	69
52	52	52	53	65	77	84	86	86	84	77	57	50	68
53	54	52	61	65	69	84	87	87	83	71	62	49	69
54	54	61	60	72	76	83	87	84	83	74	63	53	71
55	47	49	60	65	72	83	85	82	81	74	59	56	68
56	56	49	60	64	76	86	86	84	85	70	58	53	69
57	54	61	60	66	71	86	88	84	81	68	55	55	69
58	52	56	55	65	79	85	87	85	81	72	58	56	69
59	54	52	58	69	73	86	87	82	80	70	59	52	69
60	47	48	61	66	72	84	86	84	81	68	59	49	67
61	53	53	58	66	73	85	86	82	77	69	55	51	67
62	49	55	54	70	72	81	85	87	81	71	62	54	68
63	48	58	58	64	78	81	88	82	83	73	60	53	69
64	48	48	55	64	73	82	86	82	77	72	55	53	66
65	54	51	55	65	70	78	85	84	77	72	63	52	67
66	48	48	60	67	76	83	85	83	79	68	61	53	68
67	52	56	62	62	72	81	86	85	81	72	63	49	68
68	53	59	59	63	74	84	85	82	81	72	59	51	68
69	56	53	55	67	75	81	86	87	81	67	59	53	68
70	50	57	56	61	75	84	87	85	77	65	60	52	68
71	51	53	60	63	70	81	88	82	79	64	57	47	66
72	51	56	65	66	73	82	87	83	79	67	53	49	68
73	48	54	52	60	73	82	84	85	80	71	59	52	67
74	50	52	60	66	75	87	84	83	78	69	58	47	68
75	50	51	55	58	70	81	84	86	80	70	60	53	67
76	53	59	58	65	75	84	84	86	78	68	60	52	68
77	51	57	56	67	71	85	87	87	82	74	62	57	70
78	53	54	62	65	73	86	88	85	81	74	59	50	69
79	49	54	57	66	72	83	88	84	84	73	57	55	69
80	55	58	58	66	72	85	89	85	81	70	60	58	70

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: +07

PERIOD OF RECORD: 4606-9011
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	55	57	57	69	74	86	85	87	81	68	62	55	70
82	51	55	58	66	73	81	85	84	80	67	58	50	67
83	53	54	58	61	74	82	87	84	82	70	58	54	68
84	52	54	61	64	80	83	84	83	82	67	58	52	68
85	51	53	59	69	76	86	88	86	78	70	58	53	69
86	59	57	64	69	77	87	86	86	79	70	60	53	71
87	51	54	58	70	75	86	88	85	80	75	59	50	70
88	53	60	62	68	77	87	88	86	81	76	59	52	71
89	50	58	65	74	78	86	90	87	85	71	62	53	72
90	52	53	62	70	75	89	85	83	82	73	62		72*
MEAN	51.5	54.4	58.6	66.0	73.9	83.7	86.4	84.4	80.7	70.6	59.1	52.4	68.6
TOTAL OBS	1302	1186	1301	1260	1302	1290	1332	1333	1290	1350	1319	1302	15567

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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	44.7	7.002	896	0	40	0	0	0	896
03-05	43.0	7.148	909	0	65	0	0	0	909
06-08	42.1	7.164	905	0	89	0	0	0	905
09-11	51.5	7.846	896	0	7	45	0	0	896
12-14	61.8	8.320	899	0	0	336	12	0	899
15-17	63.6	8.628	907	0	0	428	28	0	907
18-20	55.4	7.535	895	0	3	104	0	0	895
21-23	48.5	6.764	911	0	7	2	0	0	911
ALL HOURS	51.3	10.836	7218	0	211	915	40	0	7218

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	47.5	7.129	820	0	12	2	0	0	820
03-05	45.1	6.997	826	0	35	0	0	0	826
06-08	44.3	7.049	821	0	44	0	0	0	821
09-11	55.3	8.834	826	0	3	127	0	0	826
12-14	65.4	9.675	812	0	0	454	50	0	812
15-17	67.3	9.970	826	0	0	521	74	0	826
18-20	60.7	9.040	816	0	0	285	13	0	816
21-23	52.6	7.399	831	0	7	31	0	0	831
ALL HOURS	54.7	11.851	6578	0	101	1420	137	0	6578

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	52.9	6.734	908	0	0	33	0	0	908
03-05	49.4	6.697	907	0	1	11	0	0	907
06-08	49.3	6.866	907	0	5	10	0	0	907
09-11	62.2	8.877	906	0	0	359	24	0	906
12-14	70.6	9.846	896	0	0	648	179	6	896
15-17	72.2	10.190	905	0	0	702	228	8	905
18-20	66.7	9.328	912	0	0	552	75	1	912
21-23	58.7	7.321	912	0	0	203	1	0	912
ALL HOURS	60.2	11.953	7253	0	6	2518	507	15	7253

MONTH: APR

00-02	60.2	7.357	880	0	0	266	1	0	880
03-05	55.9	7.224	891	0	0	100	0	0	891
06-08	57.7	7.730	874	0	0	172	0	0	874
09-11	71.7	9.082	881	0	0	705	171	3	881
12-14	79.5	9.440	870	0	0	798	497	46	870
15-17	81.3	9.406	877	0	0	820	588	68	877
18-20	75.7	9.209	863	0	0	763	316	14	863
21-23	67.2	7.774	884	0	0	597	24	0	884
ALL HOURS	68.6	12.586	7020	0	0	4221	1597	131	7020

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	67.8	6.683	903	0	0	633	38	0	903
03-05	62.7	6.555	910	0	0	353	10	0	910
06-08	65.8	7.710	896	0	0	511	34	1	896
09-11	80.2	7.708	906	0	0	880	508	48	906
12-14	87.5	8.005	903	0	0	897	764	241	903
15-17	89.4	8.004	905	0	0	898	815	307	905
18-20	84.5	8.151	896	0	0	881	665	149	896
21-23	75.5	6.991	916	0	0	856	262	1	916
ALL HOURS	76.7	12.198	7235	0	0	5909	3096	747	7235

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	77.4	5.924	858	0	0	844	306	4	858
03-05	71.8	5.823	879	0	0	779	81	0	879
06-08	75.2	6.650	863	0	0	813	232	4	863
09-11	89.6	5.954	880	0	0	879	847	270	880
12-14	97.3	5.808	876	0	0	876	874	704	876
15-17	99.1	6.014	872	0	0	872	867	775	872
18-20	94.9	6.615	864	0	0	864	845	562	864
21-23	85.4	6.012	876	0	0	876	731	119	876
ALL HOURS	86.3	11.628	6968	0	0	6803	4783	2438	6968

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	78.8	4.791	895	0	0	895	384	1	895
03-05	75.9	4.177	897	0	0	897	161	0	897
06-08	77.5	4.800	889	0	0	887	287	2	889
09-11	88.2	6.030	889	0	0	889	827	213	889
12-14	95.4	6.569	895	0	0	895	877	627	895
15-17	96.1	8.290	904	0	0	904	868	651	904
18-20	90.6	8.858	883	0	0	883	768	419	883
21-23	83.5	6.818	902	0	0	902	620	91	902
ALL HOURS	85.7	9.897	7154	0	0	7152	4792	2004	7154

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	77.4	4.271	886	0	0	886	298	0	886
03-05	74.7	3.802	898	0	0	896	104	0	898
06-08	75.6	4.109	901	0	0	901	170	0	901
09-11	86.1	5.287	897	0	0	897	787	102	897
12-14	93.5	5.402	890	0	0	890	875	564	890
15-17	93.7	7.227	903	0	0	903	851	606	903
18-20	87.6	7.714	901	0	0	901	733	286	901
21-23	81.3	5.649	913	0	0	913	576	12	913
ALL HOURS	83.8	9.111	7189	0	0	7187	4394	1570	7189

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	72.8	5.596	870	0	0	807	112	0	870
03-05	69.9	5.636	882	0		735	29	0	882
06-08	70.5	5.992	874	0	0	725	52	1	874
09-11	82.9	6.462	880	0	0	876	650	43	880
12-14	90.7	6.659	871	0	0	870	814	378	871
15-17	91.4	7.590	872	0	0	870	799	477	872
18-20	84.8	7.861	874	0	0	865	667	133	874
21-23	77.4	6.394	884	0	0	862	339	4	884
ALL HOURS	80.0	10.423	7007	0	0	6610	3462	1036	7007

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	62.1	6.056	909	0	0	321	0	0	909
03-05	59.4	6.113	914	0	0	195	0	0	914
06-08	59.7	6.325	904	0	0	193	1	0	904
09-11	72.7	7.286	904	0	0	784	163	0	904
12-14	81.3	7.324	898	0	0	876	574	47	898
15-17	82.2	7.426	910	0	0	886	629	63	910
18-20	74.4	6.930	901	0	0	812	201	4	901
21-23	66.6	5.920	911	0	0	587	10	1	911
ALL HOURS	69.8	10.936	7251	0	0	4654	1578	115	7251

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	51.3	7.130	870	0	4	23	0	0	870
03-05	49.3	7.302	879	0	11	15	0	0	879
06-08	48.9	7.561	874	0	13	11	0	0	874
09-11	60.8	8.598	877	0	0	317	3	0	877
12-14	70.0	9.050	860	0	0	623	119	0	860
15-17	70.8	9.311	877	0	0	665	161	0	877
18-20	61.8	7.854	871	0	0	348	2	0	871
21-23	54.5	7.054	876	0	0	51	0	0	876
ALL HOURS	58.4	11.499	6984	0	28	2053	285	0	6984

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	44.7	6.690	894	0	41	0	0	0	894
03-05	43.1	6.852	909	0	68	0	0	0	909
06-08	42.6	7.000	903	0	67	0	0	0	903
09-11	52.6	7.974	900	0	8	53	0	0	900
12-14	62.6	8.505	899	0	0	407	7	0	899
15-17	63.7	8.729	912	0	0	465	12	0	912
18-20	54.7	7.061	906	0	2	63	0	0	906
21-23	47.9	6.598	903	0	17	2	0	0	903
ALL HOURS	51.5	10.853	7226	0	203	990	19	0	7226

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	61.5	14.108	10589	0	97	4710	1139	5	10589
03-05	58.4	13.533	10701	0	180	3981	385	0	10701
06-08	59.1	14.623	10611	0	218	4223	776	8	10611
09-11	71.2	15.620	10642	0	18	6811	3980	679	10642
12-14	79.7	14.996	10569	0	0	8570	5642	2613	10569
15-17	80.9	15.108	10670	0	0	8934	5920	2955	10670
18-20	74.3	15.782	10582	0	5	7321	4285	1568	10582
21-23	66.7	14.944	10719	0	31	5882	2563	228	10719
ALL HOURS	69.0	17.054	85083	0	549	50432	24690	8056	85083

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	38.6	5.353	895	120	29	0	0	0	895
03-05	37.4	5.561	909	169	22	0	0	0	909
06-08	36.9	5.756	905	206	14	0	0	0	905
09-11	42.2	5.238	895	32	70	0	0	0	895
12-14	46.8	4.680	899	4	266	0	0	0	899
15-17	47.3	4.590	907	6	317	0	0	0	907
18-20	44.2	4.845	895	11	123	0	0	0	895
21-23	40.9	5.055	911	47	52	0	0	0	911
ALL HOURS	41.8	6.433	7216	595	893	0	0	0	7216

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	40.5	5.630	820	81	39	0	0	0	820
03-05	38.9	5.698	826	125	23	0	0	0	826
06-08	38.3	5.764	820	145	22	0	0	0	820
09-11	44.2	5.578	824	19	142	0	0	0	824
12-14	48.3	5.277	812	7	370	0	0	0	812
15-17	48.8	5.003	826	6	406	0	0	0	826
18-20	46.6	5.222	816	6	256	0	0	0	816
21-23	43.1	5.288	830	21	101	0	0	0	830
ALL HOURS	43.6	6.676	6574	410	1359	0	0	0	6574

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	43.2	4.928	908	22	54	0	0	0	908
03-05	41.3	5.271	907	66	40	0	0	0	907
06-08	41.2	5.159	906	67	34	0	0	0	906
09-11	47.7	4.676	904	1	323	0	0	0	904
12-14	50.6	4.525	895	0	541	0	0	0	895
15-17	51.0	4.352	904	0	597	0	0	0	904
18-20	48.8	4.501	912	0	434	0	0	0	912
21-23	45.7	4.531	910	1	185	0	0	0	910
ALL HOURS	46.2	6.042	7246	157	2208	0	0	0	7246

MONTH: APR

00-02	46.7	5.211	878	5	247	0	0	0	878
03-05	44.7	5.553	891	10	183	0	0	0	891
06-08	45.9	5.606	873	7	232	0	0	0	873
09-11	52.2	4.804	879	0	657	0	0	0	879
12-14	54.5	4.401	869	0	747	0	0	0	869
15-17	54.9	4.208	876	0	776	0	0	0	876
18-20	52.8	4.497	863	0	683	0	0	0	863
21-23	49.7	4.755	884	0	478	0	0	0	884
ALL HOURS	50.2	6.179	7013	22	4003	0	0	0	7013

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	50.9	5.101	902	0	531	0	0	0	902
03-05	48.7	5.373	909	1	389	0	0	0	909
06-08	50.6	5.465	896	1	519	0	0	0	896
09-11	56.5	4.355	904	0	848	2	0	0	904
12-14	58.3	4.044	902	0	884	11	0	0	902
15-17	58.7	3.906	902	0	889	13	0	0	902
18-20	56 9	3.930	894	0	860	1	0	0	894
21-23	53.9	4.481	916	0	761	0	0	0	916
ALL HOURS	54.3	5.817	7225	2	5681	27	0	0	7225

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	56.8	5.755	858	0	769	52	0	0	858
03-05	54.5	6.170	879	0	679	32	0	0	879
06-08	56.6	5.942	863	0	762	54	0	0	863
09-11	62.0	4.307	880	0	880	154	1	0	880
12-14	64.0	4.075	875	0	875	274	4	0	875
15-17	64.4	3.887	871	0	871	290	4	0	871
18-20	62.5	3.999	864	0	864	152	2	0	864
21-23	59.6	4.805	876	0	870	81	0	0	876
ALL HOURS	60.1	6.064	6966	0	6570	1089	11	0	6966

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	65.7	4.620	895	0	889	498	8	0	895
03-05	64.9	5.027	897	0	879	434	1	0	897
06-08	65.7	4.594	888	0	881	500	4	0	888
09-11	68.4	2.998	887	0	887	691	28	0	887
12-14	69.6	2.608	895	0	895	778	67	0	895
15-17	69.5	2.308	903	0	903	795	71	0	903
18-20	68.1	2.574	883	0	883	670	14	0	883
21-23	66.8	3.681	900	0	900	567	8	0	900
ALL HOURS	67.3	4.109	7148	0	7117	4933	201	0	7148

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	67.0	3.337	886	0	886	559	10	0	886
03-05	66.2	3.482	898	0	898	500	5	0	898
06-08	66.7	3.242	898	0	898	533	7	0	898
09-11	69.4	2.535	894	0	894	786	82	0	894
12-14	70.2	2.420	888	0	888	816	149	0	888
15-17	69.9	2.499	902	0	902	821	117	0	902
18-20	68.7	2.515	901	0	901	740	32	0	901
21-23	67.7	3.052	911	0	911	661	23	0	911
ALL HOURS	68.2	3.284	7178	0	7178	5416	425	0	7178

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	60.7	5.486	870	0	847	143	0	0	870
03-05	59.7	5.726	881	0	844	98	0	0	881
06-08	60.3	5.628	874	0	844	119	0	0	874
09-11	64.7	4.448	876	0	876	342	11	0	876
12-14	66.0	3.823	871	0	871	421	27	0	871
15-17	65.6	3.705	871	0	871	358	17	0	871
18-20	63.7	4.275	874	0	874	273	1	0	874
21-23	61.8	4.984	884	0	881	195	0	0	884
ALL HOURS	62.8	5.384	7001	0	6908	1949	56	0	7001

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	52.0	6.425	908	0	617	0	0	0	908
03-05	50.7	6.475	913	0	563	0	0	0	913
06-08	51.0	6.424	903	2	566	0	0	0	903
09-11	57.0	5.294	904	0	806	4	0	0	904
12-14	59.3	4.348	898	0	862	13	0	0	898
15-17	59.0	4.332	909	0	876	15	0	0	909
18-20	56.5	4.978	901	0	809	4	0	0	901
21-23	53.8	5.853	911	0	697	1	0	0	911
ALL HOURS	54.9	6.443	7247	2	5796	37	0	0	7247

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	43.2	6.238	870	42	138	0	0	0	870
03-05	42.1	6.468	878	58	127	0	0	0	878
06-08	41.9	6.632	872	79	133	0	0	0	872
09-11	48.2	5.961	875	1	378	0	0	0	875
12-14	51.6	5.194	860	0	584	0	0	0	860
15-17	51.6	5.105	877	0	601	0	0	0	877
18-20	48.3	5.435	870	0	382	0	0	0	870
21-23	44.9	5.897	876	7	212	0	0	0	876
ALL HOURS	46.5	6.964	6978	187	2555	0	0	0	6978

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	38.9	5.660	893	111	30	0	0	0	893
03-05	37.7	5.742	907	147	25	0	0	0	907
06-08	37.3	5.848	902	160	24	0	0	0	902
09-11	43.0	5.311	900	34	93	0	0	0	900
12-14	47.6	4.764	898	1	368	0	0	0	898
15-17	47.9	4.752	911	2	407	0	0	0	911
18-20	44.3	5.008	901	23	125	0	0	0	901
21-23	40.9	5.446	903	63	40	0	0	0	903
ALL HOURS	42.2	6.628	7215	541	1112	0	0	0	7215

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	50.4	11.165	10583	381	5076	1252	18	0	10583
03-05	48.9	11.422	10695	576	4672	1064	6	0	10695
06-08	49.4	11.835	10600	667	4929	1206	11	0	10600
09-11	54.7	10.559	10622	87	6854	1979	122	0	10622
12-14	57.3	9.301	10562	12	8151	2313	247	0	10562
15-17	57.4	9.035	10659	14	8416	2292	209	0	10659
18-20	55.1	9.699	10574	40	7194	1840	49	0	10574
21-23	52.5	10.570	10712	139	6088	1505	31	0	10712
ALL HOURS	53.2	10.967	85007	1916	51380	13451	693	0	85007

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	29.9	8.431	895	345	205	895	0	895
03-05	29.2	8.475	909	389	188	909	0	909
06-08	29.0	8.439	905	411	182	905	0	905
09-11	29.8	8.654	895	358	191	895	0	895
12-14	28.3	9.638	899	423	182	899	0	899
15-17	27.4	9.855	907	467	168	907	0	907
18-20	30.0	9.205	895	347	212	895	0	895
21-23	30.7	8.582	911	316	223	911	0	911
ALL HOURS	29.3	9.000	7216	3056	1551	7216	0	7216

MONTH: FEB

00-02	30.8	9.059	820	263	236	820	0	812
03-05	30.2	8.811	826	266	193	826	0	812
06-08	29.7	8.677	820	294	170	820	0	812
09-11	30.2	8.924	824	278	201	824	0	812
12-14	28.1	9.806	812	360	157	812	0	812
15-17	26.7	10.139	826	423	137	826	0	812
18-20	29.3	9.838	816	321	187	816	0	812
21-23	30.9	9.213	830	277	240	830	0	812
ALL HOURS	29.5	9.437	6574	2482	1521	6574	0	6574

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	30.3	10.440	908	335	312	908	0	908
03-05	30.3	10.114	907	341	304	907	0	907
06-08	30.1	9.524	906	341	278	906	0	906
09-11	30.6	9.218	904	311	269	904	0	904
12-14	27.7	9.506	895	422	178	895	0	895
15-17	26.2	10.305	904	483	147	904	0	904
18-20	27.1	10.610	912	459	185	911	0	912
21-23	29.1	10.659	910	393	268	910	0	910
ALL HOURS	28.9	10.210	7246	3085	1941	7245	0	7246

MONTH: APR

00-02	30.4	9.919	878	380	246	876	0	869
03-05	30.8	9.612	891	347	257	888	0	869
06-08	31.9	9.179	873	298	283	870	0	869
09-11	31.7	8.980	879	299	284	877	0	869
12-14	28.2	9.632	869	414	194	869	0	869
15-17	26.7	10.123	876	480	168	875	0	869
18-20	27.3	10.602	863	467	180	857	0	869
21-23	29.5	10.117	884	418	225	881	0	869
ALL HOURS	29.6	9.977	7013	3103	1837	6993	0	7013

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	32.3	10.442	902	332	286	881	0	902
03-05	32.8	10.121	909	309	301	893	0	909
06-08	34.3	9.512	896	231	364	883	0	896
09-11	33.8	9.428	904	243	351	900	0	904
12-14	30.0	9.370	902	407	249	901	0	902
15-17	28.5	9.574	902	447	200	895	0	902
18-20	28.8	10.560	894	444	200	881	0	894
21-23	31.1	10.848	916	380	267	900	0	916
ALL HOURS	31.4	10.234	7225	2793	2218	7134	0	7225

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	37.5	11.898	858	169	399	780	7	875
03-05	37.6	11.609	879	172	411	798	7	875
06-08	39.8	10.819	863	100	500	771	3	875
09-11	39.3	10.387	880	103	510	811	0	875
12-14	36.3	10.817	875	183	411	837	0	875
15-17	34.8	11.608	871	222	365	833	2	875
18-20	34.5	12.220	864	240	344	818	7	875
21-23	36.2	12.551	876	213	372	798	12	875
ALL HOURS	37.0	11.668	6966	1402	3312	6446	38	6966

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	56.7	11.383	895	25	818	281	222	895
03-05	57.3	10.615	897	24	836	269	216	897
06-08	57.8	9.854	888	18	839	251	216	888
09-11	56.2	9.374	887	16	834	295	106	887
12-14	53.5	9.575	895	13	830	394	41	895
15-17	52.5	9.844	903	14	826	477	59	903
18-20	53.4	10.941	883	26	793	406	100	883
21-23	55.8	11.402	900	29	825	316	190	900
ALL HOURS	55.4	10.595	7148	165	6601	2689	1150	7148

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	60.6	6.630	886	0	881	152	274	888
03-05	61.0	6.030	898	0	895	132	260	888
06-08	61.4	5.539	898	0	896	110	278	888
09-11	60.2	5.692	894	0	890	150	187	888
12-14	57.0	6.552	888	1	878	280	68	888
15-17	56.0	7.262	902	3	889	355	93	888
18-20	57.5	7.704	901	3	889	295	166	888
21-23	59.6	7.193	911	1	902	213	253	888
ALL HOURS	59.2	6.924	7178	8	7120	1687	1579	7178

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	51.5	9.883	870	15	798	517	55	870
03-05	51.8	9.514	881	12	821	516	46	881
06-08	52.5	9.145	874	8	835	494	53	874
09-11	52.5	8.[illegible]4	876	7	835	500	39	876
12-14	49.4	9.216	871	12	775	600	10	871
15-17	47.6	9.503	871	15	755	651	12	871
18-20	48.4	10.389	874	24	747	607	33	874
21-23	50.1	10.208	884	20	783	578	40	884
ALL HOURS	50.5	9.786	7001	113	6349	4463	288	7001

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	41.7	11.342	908	135	615	824	0	898
03-05	41.8	10.982	913	132	635	824	0	898
06-08	42.2	10.531	903	110	644	826	0	898
09-11	43.3	10.259	904	71	679	825	0	898
12-14	40.5	10.510	898	117	619	853	0	898
15-17	38.4	11.254	909	164	569	871	0	898
18-20	39.9	11.427	901	145	575	834	0	898
21-23	41.3	11.564	911	129	602	829	1	898
ALL HOURS	41.1	11.105	7247	1003	4938	6686	1	7247

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	32.7	10.565	870	276	306	868	0	870
03-05	32.6	10.464	878	298	315	876	0	878
06-08	32.8	10.224	872	283	321	868	0	872
09-11	33.9	10.231	875	246	343	865	0	875
12-14	31.7	10.526	860	312	287	854	0	860
15-17	30.6	10.673	877	349	266	872	0	877
18-20	32.7	10.184	870	287	306	866	0	870
21-23	33.0	10.485	876	285	314	874	0	876
ALL HOURS	32.5	10.476	6978	2336	2458	6943	0	6978

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	30.4	9.381	893	319	241	893	0	898
03-05	29.6	9.180	907	368	209	907	0	898
06-08	29.3	8.928	902	368	184	902	0	898
09-11	30.8	8.934	900	289	227	900	0	898
12-14	29.7	9.258	898	341	206	898	0	898
15-17	29.1	9.552	911	384	194	911	0	898
18-20	31.3	9.385	901	280	273	901	0	898
21-23	31.3	9.530	903	293	271	903	0	898
ALL HOURS	30.2	9.337	7215	2642	1805	7215	0	7215

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	38.8	14.795	10583	2594	5343	8695	558	10583
03-05	38.8	14.774	10695	2658	5365	8745	529	10695
06-08	39.3	14.626	10600	2462	5496	8606	550	10600
09-11	39.4	14.022	10622	2221	5614	8746	332	10622
12-14	36.7	14.141	10562	3005	4966	9092	119	10562
15-17	35.4	14.430	10659	3451	4684	9377	166	10659
18-20	36.7	14.553	10574	3043	4891	9087	306	10574
21-23	38.3	14.725	10712	2754	5292	8943	496	10712
ALL HOURS	37.9	14.574	85007	22188	41651	71291	3056	85007

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	97.5	90.5	78.1	67.4	53.4	32.3	18.2	4.7	58.8	895
03-05	100.0	97.6	92.2	80.4	69.5	55.6	38.7	21.3	6.5	60.9	909
06-08	100.0	98.6	93.5	83.8	72.0	55.7	38.8	23.0	7.0	61.8	905
09-11	99.7	93.3	78.1	59.4	41.8	26.3	13.6	6.5	1.6	46.4	895
12-14	96.1	73.4	46.1	25.9	13.3	8.2	4.4	1.6		31.3	899
15-17	94.0	64.2	38.5	20.0	11.1	6.5	3.7	2.4	.4	28.6	907
18-20	99.6	88.2	68.9	48.3	27.8	16.0	10.3	6.0	2.2	41.2	895
21-23	100.0	96.9	86.1	72.7	56.0	37.0	21.4	12.1	4.5	53.1	911
ALL HOURS	98.7	88.7	74.2	58.6	44.9	32.4	20.4	11.4	3.4	47.8	7216

MONTH: FEB

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	98.3	89.3	73.0	55.5	38.7	25.4	15.2	5.1	54.8	820
03-05	100.0	99.4	92.9	80.1	63.8	46.1	32.0	17.8	6.4	58.2	826
06-08	100.0	98.9	93.4	81.1	63.5	47.2	31.2	17.7	6.8	58.5	820
09-11	99.5	91.1	69.2	46.0	30.2	17.5	10.8	5.7	1.2	41.6	824
12-14	94.6	61.3	34.7	17.9	10.3	6.2	3.1	1.8	.1	27.7	812
15-17	90.6	52.2	25.5	13.9	9.9	8.0	4.5	2.2	.1	25.2	826
18-20	98.2	77.2	49.8	28.4	16.8	11.9	7.8	4.7	2.1	34.2	816
21-23	100.0	94.5	78.4	56.0	38.2	23.5	15.4	10.0	4.5	46.6	830
ALL HOURS	97.9	84.1	66.7	49.6	36.1	24.9	16.3	9.4	3.3	43.4	6574

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	99.0	91.6	73.2	54.7	41.1	26.0	15.4	8.3	1.8	45.6	908
03-05	99.6	96.1	81.0	62.8	49.5	36.1	23.2	12.9	3.6	51.2	907
06-08	100.0	97.2	80.1	62.5	49.0	34.7	22.6	11.9	3.1	50.7	906
09-11	98.1	76.8	50.3	32.7	17.7	9.6	5.6	2.3	.3	33.8	904
12-14	89.1	49.5	24.8	11.7	5.5	3.6	2.6	1.8	.4	23.3	895
15-17	80.9	40.6	19.7	10.7	6.4	5.1	3.5	2.5	.7	21.6	904
18-20	90.7	54.5	31.7	16.7	9.9	6.8	5.4	4.1	1.8	26.5	912
21-23	98.6	78.2	53.5	37.0	20.1	13.3	8.5	4.7	1.5	36.1	910
ALL HOURS	94.5	73.1	51.8	36.2	24.9	16.9	10.9	6.1	1.7	36.1	7246

MONTH: APR

00-02	100.0	81.7	52.2	31.0	17.2	10.0	5.8	2.7	1.4	35.0	878
03-05	100.0	95.4	66.8	46.5	25.1	16.2	7.4	4.3	1.5	40.7	891
06-08	99.9	95.6	69.0	44.6	23.3	14.2	6.8	3.1	.7	40.0	873
09-11	95.3	60.6	29.8	13.3	5.8	2.3	1.1	.8	.1	25.3	879
12-14	75.8	31.5	11.3	4.7	2.8	1.6	.6	.1		17.5	869
15-17	68.0	22.4	10.2	5.0	2.2	1.5	.7	.3		15.8	876
18-20	79.0	32.7	16.2	10.0	4.5	3.2	2.5	.9	.1	19.7	863
21-23	97.9	60.1	31.8	18.3	10.3	5.1	3.1	1.4	.3	27.2	884
ALL HOURS	89.6	60.1	36.0	21.7	11.4	6.8	3.5	1.7	.5	27.7	7013

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	99.3	71.4	37.4	17.3	8.2	5.2	3.7	1.9		28.9	902
03-05	100.0	87.2	54.6	29.9	13.6	7.3	4.6	3.0	.6	34.7	909
06-08	99.9	84.9	51.8	26.7	12.3	5.9	3.1	1.0		33.1	896
09-11	91.8	44.9	15.4	4.8	1.7	.4	.2	.1		20.4	904
12-14	69.1	16.2	3.2	1.7	.8	.4	.1			13.9	902
15-17	59.2	9.8	3.3	2.0	1.1	.4	.4	.4	.3	12.6	902
18-20	69.8	20.5	8.1	3.9	2.5	1.5	.8	.4	.1	15.3	894
21-23	92.4	42.8	19.4	9.2	4.5	2.8	1.2	.5	.1	21.9	916
ALL HOURS	85.2	47.2	24.2	11.9	5.6	3.0	1.8	.9	.1	22.6	7225

MONTH: JUN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	99.2	61.5	26.1	14.2	7.1	3.7	1.2	.3		25.8	858
03-05	99.9	84.5	40.5	18.8	10.2	4.4	1.7	.1		30.4	879
06-08	100.0	83.0	37.8	17.5	8.7	3.5	.5			29.6	863
09-11	90.6	36.4	11.0	3.8	.8					18.8	880
12-14	65.4	15.7	2.7	.5	.1	.1	.1			13.2	875
15-17	52.4	10.4	4.0	1.7	.8	.5				12.2	871
18-20	61.9	17.5	8.0	4.3	2.3	1.2	.6	.2		14.3	864
21-23	89.2	32.1	14.8	9.8	5.0	3.0	1.1	.5		20.0	876
ALL HOURS	82.3	42.6	18.1	8.8	4.4	2.0	.6	.1		20.5	6966

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	99.6	92.4	80.3	69.6	57.4	39.9	21.3	7.7	2.1	51.5	895
03-05	100.0	97.1	88.5	76.0	65.8	51.4	27.8	9.1	2.0	56.1	897
06-08	100.0	96.3	88.3	75.9	63.1	45.7	21.6	7.7	1.8	54.4	888
09-11	97.6	86.6	68.1	43.4	22.4	6.9	2.6	1.2	.9	37.5	887
12-14	93.4	71.2	39.6	15.4	4.2	2.3	1.5	.9	.3	27.6	895
15-17	92.1	64.2	33.1	18.3	9.5	4.1	2.1	1.3	.3	27.0	903
18-20	93.4	71.3	51.8	36.6	22.0	12.2	5.7	1.6	.5	34.0	883
21-23	97.3	83.6	70.9	57.6	42.4	28.7	13.7	4.4	1.1	44.6	900
ALL HOURS	96.7	82.8	65.0	49.1	35.9	23.9	12.0	4.3	1.1	41.6	7148

MONTH: AUG

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	99.8	95.6	87.2	67.7	49.7	28.0	11.6	2.9	58.7	886
03-05	100.0	100.0	99.0	94.4	82.7	62.7	38.3	15.8	5.1	64.3	898
06-08	100.0	100.0	99.1	95.1	83.1	60.5	33.3	11.5	2.6	63.0	898
09-11	100.0	97.9	86.7	60.7	30.1	11.9	3.7	1.1	.1	43.8	894
12-14	99.4	87.7	51.2	18.0	6.4	2.1	.8	.2		31.3	888
15-17	99.0	80.8	41.4	21.1	11.2	6.2	4.3	2.1	.3	31.3	902
18-20	99.6	89.8	63.5	43.0	29.1	18.0	9.9	5.2	1.8	40.5	901
21-23	100.0	98.6	87.3	69.6	49.4	33.2	18.0	7.9	3.2	51.1	911
ALL HOURS	99.7	94.3	78.0	61.1	45.0	30.5	17.0	6.9	2.0	48.0	7178

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	98.4	90.5	68.6	46.0	28.2	16.2	6.1	1.7	49.9	870
03-05	100.0	98.8	95.1	81.2	58.9	40.4	21.0	7.9	1.8	55.0	881
06-08	100.0	98.4	95.3	82.3	62.7	40.8	20.4	8.0	1.5	55.3	874
09-11	99.7	91.2	68.9	42.2	18.3	7.2	2.3	.6	.3	37.6	876
12-14	98.3	71.0	33.3	11.4	4.6	2.4	1.7	.8	.3	26.8	871
15-17	97.7	57.4	24.8	12.5	6.4	4.2	2.5	1.4	.2	25.2	871
18-20	99.0	73.6	41.3	24.8	16.5	11.2	7.4	3.4	.6	32.5	874
21-23	99.9	94.0	73.0	44.2	28.6	18.7	12.3	4.2	.8	42.0	884
ALL HOURS	99.3	85.4	65.3	46.0	30.3	19.2	10.5	4.1	.9	40.6	7001

MONTH: OCT

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	98.9	84.3	65.4	47.8	31.2	17.8	6.8	2.8	49.9	908
03-05	100.0	99.6	91.1	75.5	57.1	39.1	23.4	11.9	3.8	54.7	913
06-08	100.0	99.7	91.9	76.3	59.1	41.4	22.0	10.0	2.8	54.8	903
09-11	99.8	88.2	65.2	41.7	22.7	9.4	3.9	1.1	.4	37.8	904
12-14	97.4	63.5	33.6	12.0	5.6	3.9	2.6	2.1	.3	26.3	898
15-17	92.5	57.1	25.5	9.1	6.3	4.0	2.5	1.4	.9	24.1	909
18-20	98.4	75.8	47.6	26.1	13.1	7.9	4.3	3.4	1.6	32.3	901
21-23	99.9	93.2	69.8	51.9	32.6	19.0	9.9	5.2	2.2	42.9	911
ALL HOURS	98.5	84.5	63.7	44.8	30.6	19.5	10.8	5.3	1.8	40.4	7247

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	97.4	85.2	67.7	50.1	36.1	22.9	12.2	4.1	52.1	870
03-05	99.7	98.4	88.8	74.4	57.3	41.2	27.1	15.6	6.0	55.3	878
06-08	99.9	98.4	90.9	76.4	59.4	42.8	27.6	16.6	4.7	56.4	872
09-11	99.7	89.1	63.7	42.9	27.4	15.1	8.6	5.0	1.8	39.9	875
12-14	95.1	61.9	35.5	17.8	9.8	5.3	3.0	2.1	.7	27.5	860
15-17	92.9	56.3	29.2	15.4	8.6	6.0	3.5	2.5	.6	26.1	877
18-20	99.9	84.7	57.9	36.4	20.2	11.1	6.9	4.5	1.1	36.7	870
21-23	99.9	95.4	77.6	57.9	42.6	26.6	15.4	9.5	3.0	47.2	876
ALL HOURS	98.4	85.2	66.2	48.7	34.5	23.1	14.4	8.5	2.8	42.7	6978

MONTH: DEC

00-02	100.0	99.3	89.9	80.0	67.5	51.4	37.1	21.4	6.0	59.9	893
03-05	100.0	99.6	90.2	81.9	69.3	56.4	39.4	24.7	8.6	61.5	907
06-08	100.0	99.4	91.5	83.0	70.0	55.0	40.6	24.2	8.8	61.9	902
09-11	100.0	92.8	78.2	59.3	41.2	27.4	15.4	6.9	2.1	46.6	900
12-14	97.4	75.7	48.0	27.4	15.0	7.2	4.3	2.1	.3	32.1	898
15-17	95.6	70.8	43.6	23.5	12.6	7.5	5.0	2.9	.7	30.6	911
18-20	99.8	91.8	75.1	54.5	35.4	21.2	10.7	6.8	1.6	44.2	901
21-23	100.0	97.6	86.2	75.1	58.8	45.2	27.9	14.0	4.2	55.4	903
ALL HOURS	99.1	90.9	75.3	60.6	46.2	33.9	22.5	12.8	4.0	49.0	7215

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7 MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	99.8	90.7	74.5	58.9	44.4	31.1	18.3	9.4	2.7	47.6	10583
03-05	99.9	96.1	81.7	66.8	51.9	38.1	23.7	12.0	3.8	51.9	10695
06-08	100.0	95.9	81.9	67.2	52.3	37.4	22.4	11.2	3.3	51.7	10600
09-11	97.6	79.0	57.0	37.5	21.7	11.1	5.6	2.6	.7	35.8	10622
12-14	89.2	56.6	30.4	13.7	6.5	3.6	2.1	1.1	.2	24.9	10562
15-17	84.6	49.0	25.0	12.8	7.2	4.5	2.7	1.6	.4	23.4	10659
18-20	90.8	64.9	43.4	27.8	16.7	10.2	6.0	3.5	1.1	31.0	10574
21-23	97.9	80.6	62.4	46.6	32.4	21.4	12.3	6.2	2.1	40.7	10712
ALL HOURS	95.0	76.6	57.1	41.5	29.2	19.7	11.7	6.0	1.8	38.4	85007

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PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT      FFFFFFFFFF
PP      PP     AA    AA     RR     RR        TT          FF
PP      PP     AA    AA     RR     RR        TT          FF
PPPPPPPPP      AA    AA     RRRRRRRRR       TT          FFFFFF
PPPPPPPP       AAAAAAAAAA     RRRRRRRR      TT          FFFFFF
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
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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: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	1017.1	1015.4	1013.2	1011.1	1009.0	1008.0	1010.1	1010.5	1010.2	1012.8	1014.7	1016.5	1012.4
	SD	4.083	4.112	3.908	3.376	2.579	2.040	2.294	2.242	2.599	2.936	3.639	4.445	4.371
	TOT OBS	300	273	300	293	301	287	299	299	290	301	291	294	3528
0500	MEAN	1016.9	1015.1	1012.8	1011.2	1009.3	1008.5	1010.5	1010.8	1010.4	1012.8	1014.7	1016.4	1012.4
	SD	4.157	4.053	4.070	3.405	2.581	2.049	2.170	2.176	2.596	3.011	3.698	4.458	4.247
	TOT OBS	308	281	306	300	307	298	309	305	300	307	299	307	3627
0800	MEAN	1018.4	1016.6	1014.3	1012.5	1010.5	1009.7	1011.9	1012.2	1011.8	1014.3	1016.2	1018.0	1013.9
	SD	4.045	4.086	3.986	3.406	2.642	2.114	2.174	2.180	2.677	3.059	3.758	4.337	4.314
	TOT OBS	300	268	299	290	299	285	295	296	288	300	288	298	3506
1100	MEAN	1018.7	1016.7	1014.1	1012.1	1009.9	1009.0	1011.4	1011.9	1011.4	1013.8	1016.0	1018.1	1013.6
	SD	4.024	3.986	3.916	3.360	2.639	2.076	2.240	2.168	2.660	3.106	3.563	4.323	4.462
	TOT OBS	307	279	308	296	308	299	304	304	295	305	295	306	3606
1400	MEAN	1015.6	1014.2	1012.0	1010.2	1008.0	1007.1	1009.3	1009.6	1009.2	1011.3	1013.3	1015.2	1011.3
	SD	4.001	3.926	3.985	3.320	2.666	2.099	2.213	2.283	2.630	3.115	3.479	4.063	4.212
	TOT OBS	307	270	298	293	298	293	296	302	291	302	285	301	3536
1700	MEAN	1015.4	1013.5	1011.0	1009.0	1006.8	1005.7	1007.8	1008.4	1008.1	1010.8	1013.1	1015.2	1010.4
	SD	4.130	3.868	3.858	3.364	2.676	2.161	2.397	2.450	2.711	3.104	3.507	4.090	4.532
	TOT OBS	304	279	307	298	307	297	300	308	296	309	292	309	3606
2000	MEAN	1017.1	1015.1	1012.2	1009.8	1007.5	1006.2	1008.9	1009.7	1009.5	1012.2	1014.8	1016.9	1011.7
	SD	4.155	3.938	3.923	3.302	2.738	2.254	2.652	2.558	2.720	3.123	3.662	4.197	4.830
	TOT OBS	300	275	302	290	297	291	293	305	294	301	294	306	3548
2300	MEAN	1017.5	1015.7	1013.1	1011.1	1009.0	1007.9	1010.4	1010.7	1010.3	1012.9	1015.2	1017.2	1012.6
	SD	3.984	3.978	3.934	3.194	2.555	2.011	2.529	2.375	2.625	2.982	3.602	4.272	4.469
	TOT OBS	308	280	309	299	309	293	303	305	299	309	297	306	3617
ALL HOURS	MEAN	1017.1	1015.3	1012.8	1010.9	1008.7	1007.8	1010.0	1010.5	1010.1	1012.6	1014.8	1016.7	1012.3
	SD	4.215	4.121	4.081	3.516	2.876	2.456	2.662	2.585	2.872	3.235	3.761	4.398	4.563
	TOT OBS	2434	2205	2429	2359	2426	2343	2399	2424	2353	2434	2341	2427	28574

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7

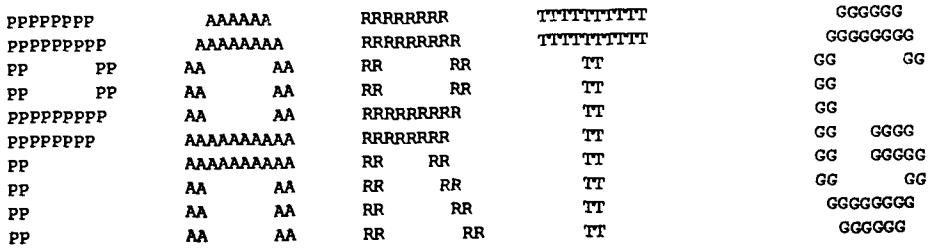
HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	30.09	30.05	30.00	29.96	29.92	29.92	29.98	29.99	29.97	30.01	30.04	30.07	30.00
	SD	.113	.118	.113	.092	.069	.059	.062	.060	.073	.083	.101	.128	.107
	TOT OBS	300	272	299	292	301	287	297	299	290	302	291	295	3525
0500	MEAN	30.08	30.04	29.98	29.96	29.92	29.93	29.99	29.99	29.97	30.01	30.03	30.07	30.00
	SD	.115	.116	.116	.093	.071	.059	.058	.058	.073	.085	.102	.128	.105
	TOT OBS	309	281	307	300	308	298	309	305	300	307	299	307	3630
0800	MEAN	30.11	30.07	30.02	29.99	29.96	29.96	30.03	30.03	30.00	30.04	30.07	30.09	30.03
	SD	.111	.117	.114	.095	.073	.062	.057	.057	.075	.087	.103	.122	.103
	TOT OBS	300	266	299	291	299	284	294	295	288	299	287	298	3500
1100	MEAN	30.13	30.08	30.02	29.99	29.95	29.95	30.02	30.02	30.00	30.04	30.07	30.11	30.03
	SD	.113	.115	.115	.094	.073	.062	.060	.057	.075	.090	.099	.125	.108
	TOT OBS	307	279	308	297	308	299	304	304	296	305	295	306	3608
1400	MEAN	30.05	30.01	29.96	29.93	29.89	29.89	29.96	29.96	29.94	29.97	30.00	30.03	29.97
	SD	.112	.113	.115	.094	.073	.061	.059	.060	.074	.089	.097	.118	.103
	TOT OBS	306	271	301	292	296	292	299	302	291	302	285	300	3537
1700	MEAN	30.04	29.99	29.93	29.89	29.85	29.84	29.91	29.92	29.90	29.95	29.99	30.03	29.94
	SD	.115	.111	.111	.093	.074	.061	.063	.065	.074	.089	.097	.118	.110
	TOT OBS	304	279	307	298	307	297	303	307	296	308	293	309	3608
2000	MEAN	30.07	30.02	29.96	29.92	29.87	29.86	29.94	29.95	29.93	29.99	30.03	30.06	29.97
	SD	.115	.112	.113	.091	.074	.063	.068	.068	.075	.088	.100	.119	.114
	TOT OBS	301	275	304	290	296	291	294	305	294	299	294	305	3548
2300	MEAN	30.09	30.05	29.99	29.96	29.92	29.92	29.99	29.99	29.97	30.01	30.05	30.09	30.00
	SD	.111	.113	.113	.087	.070	.058	.066	.064	.072	.085	.099	.121	.107
	TOT OBS	308	281	309	299	310	293	303	305	299	309	297	307	3620
ALL HOURS	MEAN	30.08	30.04	29.98	29.95	29.91	29.91	29.97	29.98	29.96	30.00	30.03	30.07	29.99
	SD	.117	.118	.118	.098	.080	.072	.072	.070	.081	.092	.103	.125	.112
	TOT OBS	2435	2204	2434	2359	2425	2341	2403	2422	2354	2431	2341	2427	28576

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: DEC 80 - NOV 90
LST TO UTC: + 7

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	27.40	27.36	27.32	27.29	27.25	27.25	27.31	27.32	27.30	27.34	27.36	27.39	27.33
	SD	.108	.110	.107	.085	.064	.055	.057	.055	.067	.077	.093	.118	.098
	TOT OBS	300	272	299	292	301	287	297	299	290	302	291	295	3525
0500	MEAN	27.40	27.36	27.31	27.29	27.26	27.26	27.32	27.32	27.30	27.34	27.36	27.39	27.33
	SD	.107	.108	.109	.087	.065	.056	.054	.053	.067	.079	.094	.119	.097
	TOT OBS	309	281	307	300	308	298	309	305	300	307	299	307	3630
0800	MEAN	27.42	27.38	27.35	27.32	27.29	27.29	27.35	27.35	27.33	27.37	27.39	27.41	27.35
	SD	.106	.110	.108	.088	.068	.057	.053	.052	.070	.081	.096	.113	.095
	TOT OBS	300	266	299	291	299	284	294	295	288	299	287	298	3500
1100	MEAN	27.45	27.41	27.35	27.32	27.28	27.28	27.34	27.35	27.33	27.37	27.40	27.43	27.36
	SD	.105	.107	.107	.087	.068	.057	.055	.053	.069	.082	.092	.115	.100
	TOT OBS	307	279	308	297	308	299	304	304	296	305	295	306	3608
1400	MEAN	27.36	27.33	27.29	27.27	27.23	27.23	27.29	27.29	27.27	27.30	27.33	27.35	27.30
	SD	.107	.106	.109	.087	.067	.057	.055	.055	.069	.083	.090	.110	.095
	TOT OBS	306	271	301	292	296	292	299	302	291	302	285	300	3537
1700	MEAN	27.36	27.32	27.26	27.23	27.19	27.18	27.24	27.25	27.24	27.29	27.32	27.36	27.27
	SD	.107	.104	.104	.088	.068	.057	.058	.059	.070	.082	.091	.109	.102
	TOT OBS	304	279	307	298	307	297	303	307	296	308	293	309	3608
2000	MEAN	27.39	27.34	27.29	27.25	27.21	27.20	27.27	27.28	27.27	27.31	27.35	27.38	27.30
	SD	.109	.105	.106	.084	.069	.059	.063	.062	.069	.082	.093	.110	.104
	TOT OBS	301	275	304	290	296	291	294	305	294	299	294	305	3548
2300	MEAN	27.41	27.38	27.33	27.29	27.26	27.25	27.32	27.32	27.30	27.34	27.38	27.41	27.33
	SD	.103	.108	.103	.081	.065	.057	.062	.060	.067	.079	.095	.111	.099
	TOT OBS	305	272	310	293	316	305	302	307	285	306	311	309	3621
ALL HOURS	MEAN	27.40	27.36	27.31	27.28	27.25	27.24	27.30	27.31	27.29	27.33	27.36	27.39	27.32
	SD	.110	.110	.110	.091	.074	.067	.067	.064	.075	.085	.096	.116	.103
	TOT OBS	2432	2195	2435	2353	2431	2353	2402	2424	2340	2428	2355	2429	28577


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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: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.1			894				909	.4			908	.7			896
CATEGORY B	.1			915	.5			938	1.1	.1		944	1.0	.1		916

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	3.2	.1		899	4.1	.3		908	.9			891	.3			911
CATEGORY B	4.4	1.4		916	5.3	1.5		919	1.4	.2		908	1.2	.3		929

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	1.9	.1		4502	1.2	.1		7216
CATEGORY B	2.6	.7		4603	1.9	.5		7385

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.6			817	.4	.1		827	.6			820	1.0			826
CATEGORY B	1.3			830	.9	.1		849	1.1	.2		841	1.8	.5		844

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	3.0			813	2.8			827	.6			816	.7			832
CATEGORY B	5.0	1.2		821	5.1	1.0		838	1.0			836	1.4	.1		865

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	1.6			4102	1.2	.0		6578
CATEGORY B	2.8	.6		4180	2.2	.4		6724

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.7			905	.3			907	1.0			904	1.9			905
CATEGORY B	1.0	.2		916	.8	.2		923	1.5	.1		916	2.6	.3		912

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	4.5	.1		896	6.0			904	1.8			911	1.0			912
CATEGORY B	6.7	2.4		911	9.1	2.5		'0	3.1	.5		923	1.8	.2		919

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	3.0	.0		4520	2.1	.0		7244
CATEGORY B	4.6	1.2		4582	3.3	.8		7340

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HO'R (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A				878	.3			891	.5			875	3.6			881
CATEGORY B	.6			886	.7			895	.7			879	5.9	1.0		886

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	5.8			868	8.0	.3		877	3.4			864	1.0			883
CATEGORY B	13.7	3.7		874	17.6	4.8		884	5.9	1.0		870	1.2	.1		886

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	4.2	.1		4365	2.8	.0		7017
CATEGORY B	8.8	2.1		4393	5.8	1.3		7060

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A				902	.1			911	.1			895	1.9			905
CATEGORY B	.2			905	.1			913	.2			898	5.2	.7		908

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	5.2			903	8.1	.2		905	3.4			895	.3			915
CATEGORY B	14.9	3.8		915	20.0	4.1		921	7.1	.8	.1	912	1.0	.2		920

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	3.7	.0		4503	2.4	.0		7231
CATEGORY B	9.5	1.9	.0	4554	6.1	1.2	.0	7292

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: JUN

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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.2			858				879				863	1.7			881
CATEGORY B	.5	.1		860				879	.1			865	3.4	.2		882

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	3.8			876	5.5			872	2.4			863	.2			876
CATEGORY B	10.6	.9		889	14.9	2.1	.2	893	4.8	.2		884	.6	.1		881

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	[illegible]			4355	1.7			6968
CATEGORY B	6.8	.7	.0	4413	4.4	.5	.0	7033

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.7			895	.3			896	.1			888	.3			888
CATEGORY B	1.0			916	.3			904	.1			902	1.6	.2	.1	899

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	1.0			897	1.9			905	2.2	.2		881	1.4			902
CATEGORY B	4.1	.9	.1	935	8.3	1.4		981	6.6	1.4		950	3.3	.4	.1	949

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	1.1	.0		4459	1.0	.0		7152
CATEGORY B	4.2	.8	.0	4667	3.2	.6	.0	7436

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
MONTH: AUG

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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A				886	.1			899				898	.1	.1		900
CATEGORY B	.3			913	.3			915				910	.6	.1		907

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.1			890	1.7			904	.8			899	.4			913
CATEGORY B	2.2	.3	.1	934	5.2	1.7		996	4.0	1.1	.1	968	1.7	.1		957

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.5	.0		4491	.4	.0		7189
CATEGORY B	2.5	.7	.0	4715	1.9	.4	.0	7500

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A				872				882	.3			875	.6			880
CATEGORY B	.2			882				890	.3			881	2.6	.1		889

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	3.7			869	4.0	.1		874	1.4	.1	.1	877				884
CATEGORY B	10.1	1.9		913	9.3	1.3	.1	920	2.6	.7	.1	907	.2			899

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	2.0	.0	.0	4375	1.2	.0	.0	7013
CATEGORY B	5.1	.8	.0	4510	3.2	.5	.0	7181

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A				908				914				903	.9	.1		903
CATEGORY B	.1			915	.1			929				913	1.3	.2		921

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	2.8			896	2.6			910	.7			899	.1			911
CATEGORY B	4.6	.9		916	5.5	.8		926	1.2	.1		915	.1	.1		919

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	1.4	.0		4511	.9	.0		7244
CATEGORY B	2.5	.4		4591	1.6	.3		7354

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.3			869	.7			879	.5			873	.9			877
CATEGORY B	1.0	.1		883	.9	.5		888	.6	.3	.1	896	1.9	.6		892

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	2.8			858	2.5			875	.8			869	.3			875
CATEGORY B	5.1	1.4		866	4.0	1.2		882	1.6	.6	.2	883	.8	.1		884

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	1.5			4352	1.1			6975
CATEGORY B	2.6	.8	.1	4419	2.0	.6	.0	7074

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.1			898	.2			909	.1			903	.3			902
CATEGORY B	.1			923	.3			932	.5			932	.9	.2		923

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.9			898	.8			911	.1			905				905
CATEGORY B	2.4	.2		917	1.3	.1		927	.1			926				937

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.4			4519	.3			7231
CATEGORY B	1.0	.1		4625	.7	.1		7417

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 110-290

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ
LST TO UTC: + 7

PERIOD OF RECORD: DEC 80 - NOV 90
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)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	.2			10582	.2	.0		10703	.3			10605	1.2	.0		10644
CATEGORY B	.5	.0		10744	.4	.1		10655	.5	.1	.0	10777	2.4	.4	.0	10779

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	3.0	.0		10563	4.0	.1		10672	1.5	.0	.0	10570	.5			10719
CATEGORY B	6.9	1.6	.0	10807	8.8	1.9	.0	11007	3.3	.6	.0	10882	1.1	.2	.0	10945

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE40	OBS	GE15	GE25	GE40	OBS
CATEGORY A	2.0	.0	.0	53054	1.4	.0	.0	85058
CATEGORY B	4.4	.9	.0	54252	3.0	.6	.0	86796

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          HH      HH
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT          HH      HH
PP      PP     AA    AA     RR     RR        TT              HH      HH
PP      PP     AA    AA     RR     RR        TT              HH      HH
PPPPPPPPP      AA    AA     RRRRRRRRR       TT              HHHHHHHHHH
PPPPPPPP       AAAAAAAAAA     RRRRRRRR      TT              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
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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE 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 60

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: JAN 52 - NOV 90
LST TO UTC: + 7

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1952	250	225	237	26							161	283	1182
1953	****	206	61	21	1				****	2	84	331	706
1954	182	42	79		****						11	205	519
1955	388	300	58	15							86	139	986
1956	130	313	78	34						18	107	205	885
1957	****	42	54	16	****					2	159	133	406
1958	234	110	****	32						7	98	120	601
1959	176	216	75					****		****	47	241	755
1960	380	326	52	14						4	59	311	1146
1961	200	181	81							40	147	269	918
1962	316	147	207							2	****	170	842
1963	334	105	110	20							83	196	848
1964	353	328	175	39	2						154	204	1255
1973	****	****	****	68	****	****	****		****	3	139	****	210
1974	301	****	75	****			****			31	89	****	496
1975	317	****	169	****	****	****	****			****	95	219	800
1976	****	66	****	****		****	****	****	****	****	****	****	66
1978	****	****	****	21	7	****		****		****	****	****	28
1979	****	180	****	26	6			****	****	****	****	****	212
1980	****	****	****	****	****	****	****		****	23	104	91	218
1981	170	****	111	****		****	****	****		9	39	180	509
1982	****	****	90	****	****	****	****	****	****	****	****	312	402
1983	234	****	120	****	****		****	****	****		****	****	354
1984	251	179	****	****		****		****	****	3	122	****	555
1985	****	210	****	12		****	****		****	****	113	217	552

1986	85	142	63	1		****	****	****		****	****	****	291
1987	****	179	107	10	****	****	****	****	****		****	313	609
1988	****	62	****	13	2	****				****	132	269	478
1989	****	****	41		****			****		4	44	230	319
1990	****	224	73	2			****				53		352
MEAN	253	180	100	18	0					7	96	220	
SD	88.76	89.50	53.47	16.56	1.98					11.67	42.38	68.25	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 80

STATION NUMBER: 722740 STATION NAME: TUCSON IAP AZ PERIOD OF RECORD: JAN 52 - NOV 90
LST TO UTC: + 7

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1952					19	144	203	179	142	12			699
1953	****				2	177	224	216	****	9			628
1954					****	140	224	129	125	12			630
1955					5	132	165	85	89	10			486
1956					29	206	193	142	145	3			718
1957	****				****	205	267	150	82	4			708
1958			****		87	167	237	157	84				732
1959					5	197	226	****	77	****			505
1960					10	146	208	153	74				591
1961					1	189	204	98	10				502
1962					6	83	170	236	88		****		583
1963					21	83	255	90	98	3			550
1964					19	94	213	88	27	3			444
1973	****	****	****		****	****	****	143	****			****	143
1974		****		****	21	244	****	117	34	1		****	417
1975		****		****	****	****	****	196	45	****			241
1976	****		****	****	8	****	****	****	****	****	****	****	8
1978	****	****	****		17	****	251	****	68	****	****	****	336
1979	****		****		3	160	258	****	****	****	****	****	421
1980	****	****	****	****	****	****	****	157	****	19			176
1981		****		****		****	****	****	58				58
1983		****		****	****	99	****	****	****		****	****	99
1984			****	****	81	****	123	****	****			****	204
1985	****		****		9	****	****	197	****	****			206

1986					38	****	****	****	63	****	****	****	101
1987	****				****	****	****	****	****	3	****		3
1988	****		****		72	****	244	167	43	****			526
1989	****	****		11	****	192	296	****	153				652
1990	****				14	295	****	97	94				500
MEAN				0	22	164	220	147	79	4			
SD				2.46	26.12	56.50	41.27	44.72	39.40	5.55			

A W S	STATION NAME: TUCSON IAP AZ	FIELD ELEV: 2641 FT
	LATITUDE/LONGITUDE: 32 07 N 110 56 W	STATION MSC: 722740
CLIMATIC BRIEF	HOURLY OBS POR: DEC 80 - NOV 90	CALL SIGN: KTUS
	SUMMARY OF DAY POR: JUN 46-NOV 90	
	HOURS SUMMARIZED: 0000 - 2300 LST	SUPERSEDES: MAY 71
MAY 91	LST TO UTC: +07	

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	87	92	99	104	107	117	114	108	107	101	90	84	117	44
MEAN MAX TEMP (F)	64	68	73	81	90	99	99	96	94	84	73	65	82	44
MEAN TEMP (F)	52	54	59	66	74	84	86	84	81	71	59	52	69	44
MEAN MIN TEMP (F)	38	40	44	51	58	68	74	72	67	57	45	39	55	44
EXTRM MIN TEMP (F)	16	20	20	33	38	47	62	61	44	26	24	16	16	44
D/W TEMP GE 100 (F)	0	0	0	#	2	15	15	9	5	#	0	0	46	44
D/W TEMP GE 90 (F)	0	#	1	4	17	28	29	29	24	9	#	0	141	44
D/W TEMP LT 40 (F)	17	12	7	2	#	0	0	0	0	1	7	17	63	44
D/W TEMP LT 33 (F)	6	4	1	0	0	0	0	0	0	#	1	5	17	44
HEATING DEGREE DAYS	253	180	100	18	#	0	0	0	0	7	96	220	874	39
COOLING DEGREE DAYS	0	0	0	#	22	164	220	147	79	4	0	0	636	39
MEAN DEWPOINT TEMP (F)	29	29	28	29	31	37	55	59	50	41	32	30	37	10
MEAN WET BULB TEMP (F)	41	43	46	50	54	60	67	68	62	54	46	42	53	10
99.95% WCPA (FT)	2800	2800	2850	2800	2800	2800	2750	2700	2800	2800	2750	2800	2850	10
MEAN REL HUM 07 LST(%)	61.8	58.5	50.7	40.0	33.1	29.6	54.4	63.0	55.3	54.8	56.4	61.9	51.7	10
MEAN REL HUM 13 LST(%)	31.3	27.7	23.3	17.5	13.9	13.2	27.6	31.3	26.8	26.3	27.5	32.1	24.9	10
MAX 24HR PRECIP (IN)	1.08	1.26	1.19	.74	.50	1.27	3.93	2.48	2.85	2.96	1.57	1.22	3.93	44
MAX PRECIP (IN)	2.94	2.90	2.26	1.66	.74	1.46	6.17	7.93	5.11	4.98	1.90	5.02	21.86	44
MEAN PRECIP (IN)	.88	.66	.69	.32	.15	.24	2.49	2.23	1.40	.95	.61	.92	11.49	44
MIN PRECIP (IN)	.00	.00	.00	.00	.00	.00	.37	.23	.00	.00	.00	.00	5.34	44
D/W PRECIP GE .01 (IN)	5	3	4	2	1	2	11	9	5	3	3	4	52	44
D/W PRECIP GT .50 (IN)	1	1	1	#	0	#	1	1	1	1	1	1	9	44
MAX 24HR SNFL (IN)	4.3	2.2	4.0	2.0	0	0	0	0	0	#	6.4	6.8	6.8	44
MAX SNFL (IN)	4.7	3.9	5.7	2.0	0	0	0	0	0	#	6.4	6.8	8.3	44
MEAN SNFL (IN)	.4	.3	.3	.1	0	0	0	0	0	#	.1	.3	1.5	44
D/W SNFL GE .1 (IN)	1	1	#	#	0	0	0	0	0	0	#	1	3	44
D/W SNFL GE 1.5 (IN)	#	#	#	#	0	0	0	0	0	0	#	#	#	44
MAX DLY SNO DEPTH (IN)	1	4	5	0	0	0	0	0	0	0	1	5	5	44
PRVLNG WND DIR (DEG)	11-13	14-16	14-16	14-16	14-16	14-16	14-16	14-16	14-16	14-16	14-16	11-13	14-16	10
MEAN WND SPD (KTS)	7	7	8	8	8	8	8	7	8	7	7	7	7	10
MAX WND SPD (KTS)	35	42	36	40	40	44	54	49	49	37	40	40	54	44
SKY COVER GT 5/10 (%)	38.1	41.7	38.8	34.6	24.2	22.8	52.3	49.1	28.6	28.0	31.0	37.4	35.5	10
D/W THUNDERSTORMS	1	1	1	1	1	3	15	14	6	2	1	1	47	44
D/W FOG (VSBY LT 7 MI)	1	1	#	#	0	0	#	#	1	#	1	1	5	44

LEGEND: ANN = ANNUAL
D/W = MEAN NUMBER OF DAYS WITH
& = BASED ON LESS THAN FULL MONTHS
** = INSTANTANEOUS PEAK WINDS
* = DATA NOT AVAILABLE
POR/YOR = PERIOD/YEARS OF RECORD
WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE
= LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE
$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY

MONTH	LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
	00 - 02	2.5	2.6	1.1	.9	.0	.0	.0	.2	.5	.2	1.0	4.2	1.1	10
	03 - 05	2.4	2.3	1.5	.8	.0	.0	.1	.3	.1	.4	1.2	3.6	1.1	10
CIG	06 - 08	2.0	2.4	1.8	.8	.0	.0	.3	.7	.2	.4	1.6	3.1	1.1	10
LT 3000 FT	09 - 11	2.7	3.3	1.0	.8	.0	.0	.3	.2	.1	.6	1.1	2.7	1.1	10
AND/OR	12 - 14	2.5	2.7	1.0	.5	.0	.1	.0	.3	.6	.2	1.4	2.9	1.0	10
VSBY	15 - 17	1.1	1.9	1.4	.3	.0	.0	.0	.4	.6	.3	1.1	2.6	.8	10
LT 3 MI	18 - 20	1.9	2.5	1.8	.2	.0	.0	.1	.2	.2	.7	.7	2.4	.9	10
	21 - 23	2.3	2.9	.7	.9	.0	.1	.0	.0	.3	.3	.7	2.4	.9	10
	ALL	2.2	2.6	1.3	.7	.0	.0	.1	.3	.3	.4	1.1	3.0	1.0	10
	00 - 02	1.3	1.0	.0	.3	.0	.0	.0	.1	.0	.0	.7	1.1	.4	10
	03 - 05	1.1	.7	.2	.2	.0	.0	.0	.0	.1	.1	.8	1.9	.4	10
CIG	06 - 08	1.1	1.0	.1	.2	.0	.0	.1	.1	.1	.1	.8	1.3	.4	10
LT 1500 FT	09 - 11	1.7	.6	.0	.1	.0	.0	.0	.0	.1	.4	1.0	1.1	.4	10
AND/OR	12 - 14	.6	.0	.4	.0	.0	.1	.0	.1	.5	.2	.6	.7	.3	10
VSBY	15 - 17	.2	.1	.0	.1	.0	.0	.0	.4	.5	.2	.2	.5	.2	10
LT 3 MI	18 - 20	.9	.7	.2	.0	.0	.0	.1	.1	.2	.1	.1	1.4	.3	10
	21 - 23	.7	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	.9	.3	10
	ALL	.9	.7	.1	.1	.0	.0	.0	.1	.2	.2	.5	1.1	.3	10
	00 - 02	1.0	.7	.0	.3	.0	.0	.0	.1	.0	.0	.5	.9	.3	10
	03 - 05	.9	.7	.0	.2	.0	.0	.0	.0	.1	.0	.8	1.8	.4	10
CIG	06 - 08	.9	1.0	.0	.1	.0	.0	.0	.0	.0	.1	.7	1.1	.3	10
LT 1000 FT	09 - 11	.7	.5	.0	.0	.0	.0	.0	.0	.0	.3	.7	1.0	.3	10
AND/OR	12 - 14	.1	.0	.1	.0	.0	.1	.0	.0	.0	.2	.2	.4	.1	10
VSBY	15 - 17	.2	.1	.0	.0	.0	.0	.0	.3	.5	.1	.0	.4	.1	10
LT 2 MI	18 - 20	.8	.5	.1	.0	.0	.0	.1	.1	.2	.0	.1	1.1	.2	10
	21 - 23	.3	.8	.0	.1	.0	.0	.0	.0	.0	.0	.1	.7	.2	10
	ALL	.6	.5	.0	.1	.0	.0	.0	.1	.1	.1	.4	.9	.2	10
	00 - 02	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	.2	.1	10
	03 - 05	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	10
CIG	06 - 08	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1	10
LT 200 FT	09 - 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	10
AND/OR	12 - 14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10
VSBY	15 - 17	.1	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	10
LT 1/2 MI	18 - 20	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	10
	21 - 23	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10
	ALL	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	10

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : @

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