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USAFETAC/OS-89/201

SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR  
ORLANDO IAP FLORIDA

PREPARED BY

JULIA USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723

APRIL 1989

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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARY (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSMO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOC (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSMO AND LISOC 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 "SECUM," OR "SURFACE SUMMARY," THE ORIGINAL "USSMO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSMO GRADUALLY EVOLVED INTO THE "RUSSMO" AND THE "LISOC." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARY" 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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INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: NOV 78 - OCT 86 (AIRWAYS).

SUMMARY OF DAY DATA: JAN 44 - OCT 46, MAY 52 - OCT 88 (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 CFILING 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.

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

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	SUM	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSRV	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WRAN	AMS 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



STATION NO. 722050 STATION NAME ORLANDO IAP/MCCOY AFB, FL LATITUDE N 28 26 LONGITUDE W 081 19 FLD ELEV (FT) 96 CALL SIGN KMCO ELEV ABOVE MSL 72205  
 ON SUMMARY

STATION LOCATION AND INSTRUMENTATION HISTORY

NMNR OF LOC	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	FLD (FT)	BARO (FT)	OBS PER DAY
			FROM	TO					
1	PINECASTLE AAF/ORLANDO, FL	AAF	JAN 44	OCT 46	N 28 27	W 081 19	95	N/A	24
2	STN CLOSED OCT 46-APR 57								
3	PINECASTLE AFB/ORLANDO, FL	AFB	MAY 52	APR 58	SAME	SAME	SAME	N/A	24
4	MCCOY AFB/ORLANDO, FL *	AFB	MAY 58	DEC 73	SAME	SAME	SAME	N/A	24
5	ORLANDO JETPORT, FL	NWS	JAN 74	OCT 76	N 28 26	SAME	96	94	24
5	ORLANDO IAP, FL	NWS	NOV 76	JAN 89	SAME	SAME	SAME	SAME	24

\*MCCOY AFB DEACT DEC 73

SURFACE WIND EQUIPMENT INFORMATION

NMNR OF LOC	DATE OF CHANGE	LOCATION	TYPE OF TRANSMITTER		HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
			RECORDER	ANEMOMETER		
1	JAN 44	NOT AVAILABLE		N/A	N/A	
2	APR 53	ATOP CONTROL TOWER	AN/GM-1	ML-144	100 FT	
3	AUG 57	BETWEEN RWYS AT N END OF FIELD	AN/GM-11	RU-2	SFC	
4	APR 59	SAME, 5500' FROM RWY	SAME	SAME	SAME	
5	APR 65	BOTH 500' FM EACH END ACTIVE RWY, 900' FM WEA STATION	SAME	SAME	13 FT	
6	APR 67	1,700' FM N END RWY	SAME	SAME	SAME	
7	JAN 74	2,1300' FM END RWY	SAME	SAME	SAME	
8	SEP 84	1, SAME	SAME	SAME	12 FT	
9	JAN 89	2, SAME	SAME	SAME	20 FT	
		SAME	SAME	SAME	33 FT	
		SAME	SAME	SAME	SAME	

pppppppp	AAAAA	KKKKRR	TTTTTTTT	AAAAA
pppppppp	AAAAAAA	RRKKRRR	TTTTTTTT	AAAAAAA
pp	AA	RR	TT	AA
pp	AA	RR	TT	AA
pppppppp	AA	RRRRRR	TT	AA
pppppppp	AAAAAAA	KKKKKK	TT	AAAAAAA
pp	AAAAAAA	RR	TT	AAAAAAA
pp	AA	KK	TT	AAAAAAA
pp	AA	RR	TT	AA
pp	AA	RR	TT	AA
pp	AA	RR	TT	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 1965, 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 IS 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 HINDLY 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 (PROF).  
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 LOW AWS FORMS, LOWAL AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOS-  
PHERIC 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 OBS-  
ERVATION 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 LESSEER 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.

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HUKKY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5      MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE	BLWING	DUST	ALL DUST	SAND	W/DR	OBST	NO. OF OBS
							HAZE	SNOW	TO VSN					
00-02	.1	4.4	13.5	2.8	4.4	13.5	2.8	.1	20.9	20.9				930
03-05	.9	5.0	23.1	3.8	5.0	23.1	3.8		32.9	32.9				930
06-08	.4	5.5	20.7	5.9	5.5	20.7	5.9		42.0	42.0				930
09-11		5.7	16.8	12.5	5.7	16.8	12.5		34.9	34.9				930
12-14		4.8	6.1	6.0	4.8	6.1	6.0		17.0	17.0				930
15-17	.2	6.6	4.3	4.8	6.6	4.3	4.8		15.7	15.7				930
18-20	.2	6.2	6.3	2.9	6.2	6.3	2.9		15.5	15.5				930
21-23	.5	5.9	9.2	3.0	5.9	9.2	3.0		18.2	18.2				930
ALL HOURS	.3	5.8	13.6	5.2	5.8	13.6	5.2	.0	24.6	24.6				7440

MONTH: FEB

00-02	4.9	13.0	2.4	4.9	13.0	2.4			20.3	20.3				849
03-05	.2	6.6	23.3	3.5	6.6	23.3	3.5		38.4	38.4				849
06-08	.4	7.2	40.3	5.7	7.2	40.3	5.7		54.2	54.2				849
09-11	.4	6.8	18.1	10.1	6.8	18.1	10.1		35.1	35.1				849
12-14	1.3	7.1	2.7	2.9	7.1	2.7	2.9		15.7	15.7				849
15-17	.7	6.4	2.9	4.5	6.4	2.9	4.5		13.8	13.8				849
18-20	.2	6.0	2.3	3.1	6.0	2.3	3.1		11.9	11.9				849
21-23	.5	5.5	4.9	3.1	5.5	4.9	3.1		13.5	13.5				849
ALL HOURS	.5	6.3	14.1	4.9	6.3	14.1	4.9		25.4	25.4				6792

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: OKLANGU TAP FLOCKIA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO VIC: 5 MONTH: MAR

HOURS (LST)	PRECIP	LIQUID	FROZEN	HAIL	ALL	FOG	SMOKE	BLOWING	DUST	ALL	TOTAL
	PRECIP	PRECIP	PRECIP		PRECIP		&/OR	SNOW	&/OR	OBST	NO. OF
							HAZE		SAND	TO VSN	OBS
00-02	.6	5.7			5.7	5.3	2.6			16.6	930
03-05	.5	5.5			5.5	22.3	3.1			30.9	930
06-08	.6	4.9			4.9	24.2	6.0		.1	40.3	930
09-11	.5	5.3			5.3	6.3	7.7			19.4	930
12-14	1.0	6.3			6.3	2.4	3.4			12.2	930
15-17	1.7	6.3			6.3	3.0	1.2			10.5	930
18-20	.9	5.8			5.8	2.3	1.3			9.9	930
21-23	.4	5.4			5.4	4.1	1.5			11.0	930
ALL HOURS	.8	5.7			5.7	9.8	3.4		.0	18.6	7440
00-02	.7	3.3			3.3	5.3	4.0			12.7	900
03-05	.1	2.1			2.1	19.7	5.2			27.0	900
06-08	.6	2.0			2.0	29.1	19.2			41.3	900
09-11	.7	2.8			2.8	2.3	3.8			14.9	900
12-14	1.4	4.4			4.4	1.2	2.8			8.4	900
15-17	1.1	3.4			3.4	1.3	1.3			6.1	900
18-20	1.4	4.6			4.6	2.4	2.2			9.2	900
21-23	.6	3.0			3.0	3.3	2.2			8.6	900
ALL HOURS	.8	3.2			3.2	9.1	4.7			16.0	7200

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: OKLANDU IAP FLORIDA  
 LST TO UTC: + 5

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: NOV 78 - OCT 88  
 MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/UR HAZE	BLowing SNOW	DUST &/UR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.8	1.7			1.7	5.1	5.3			12.0	930
03-05	.6	1.7			1.7	16.9	6.1			24.7	930
06-08	.4	3.0			3.0	23.4	13.7			40.1	930
09-11	.5	2.7			2.7	2.2	9.4			14.2	930
12-14	1.6	4.7			4.7	1.2	4.5			10.4	930
15-17	5.2	6.3			6.3	1.0	2.9			10.2	930
18-20	5.7	6.3			6.3	1.0	3.1	.1		10.5	930
21-23	1.3	3.4			3.4	1.5	4.4			9.4	930

ALL HOURS 2.0 3.8 3.8 6.5 6.2 .0 16.5 7440

MONTH: JUN

00-02	.3	1.6			1.6	6.4	9.6			16.6	900
03-05	.1	1.6			1.6	19.2	9.4			30.2	900
06-08	.4	2.3			2.3	27.0	18.7			48.0	900
09-11	.4	2.3			2.3	1.2	14.8			18.3	900
12-14	5.7	7.2			7.2	.2	9.0			16.4	900
15-17	12.7	12.6			12.6	.3	7.1			20.0	900
18-20	10.4	12.1			12.1	.7	7.3			20.1	900
21-23	2.3	5.3			5.3	.9	7.2			13.4	900

ALL HOURS 4.1 5.6 5.6 7.0 10.3 22.9 7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUL

HOURS (LST)	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/DK	BLOWING SNOW	DUST SAND TO VSN	ALL OBST	TOTAL NO. OF OBS
00-02	.2	.2			.2	2.4	9.1		.1	11.8	930
03-05	.2				.2	8.7	11.2			20.1	930
06-08	.3				.3	15.2	17.1			32.6	930
09-11	.2	1.3			1.3	.5	14.0			15.8	930
12-14	5.8	6.9		.1	7.0	.1	10.8			17.8	930
15-17	20.5	15.1			15.1	.3	2.6			24.9	930
18-20	11.7	11.4			11.4	.6	9.9			21.9	930
21-23	1.6	4.2			4.2	1.7	8.6			14.5	930
ALL HOURS	5.0	4.9		.0	5.0	3.7	11.3		.0	19.9	7440

MONTH: AUG

00-02	.3	1.2			1.2	2.7	3.3			7.2	930
03-05	.8				.8	10.2	5.2			16.1	930
06-08	.2	1.3			1.3	16.2	10.2			27.7	930
09-11	1.2	2.3			2.3	.5	4.4			7.2	930
12-14	8.7	9.5			9.5	.3	3.7			13.4	930
15-17	18.8	15.3			15.3	.6	4.8		.1	20.9	930
18-20	10.9	10.9			10.9	.6	3.1			14.6	930
21-23	2.6	4.9			4.9	1.1	3.0			9.0	930
ALL HOURS	5.3	5.8			5.3	4.0	4.7		.0	14.5	7440



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP

HOURS (LST)	LIQUID PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST 6/OR SAND TO VSN	ALL OBS	TOTAL NO. OF OBS
00-02	.1	4.2		4.2	5.1	2.7			12.0	900
03-05	.2	2.9		2.9	16.4	2.6			21.9	900
06-08	.1	3.7		3.7	22.0	6.2			31.9	900
09-11	.6	4.1		4.1	1.9	7.2			13.2	900
12-14	4.0	8.4		9.4	1.1	5.3			14.9	900
15-17	8.4	12.9		12.9	1.8	4.9			19.6	900
18-20	5.2	12.0		12.0	1.8	4.3			18.1	900
21-23	.8	7.0		7.0	1.4	4.0			12.4	900

ALL HOURS 2.4 6.9 6.9 6.4 4.7 18.0 7200

MONTH: OCT  
 00-02 .5 2.9 2.9 2.6 3.8 15.3 930

03-05 .3 2.7 2.7 21.2 5.9 29.8 930

06-08 .1 1.5 1.5 28.0 9.0 38.5 930

09-11 .2 3.1 3.1 4.4 8.2 15.7 930

12-14 .5 4.1 4.1 1.3 1.5 6.9 930

15-17 1.6 4.9 4.9 1.2 2.0 8.2 930

18-20 1.4 3.6 3.6 .8 2.4 6.7 928

21-23 1.3 3.6 3.6 1.8 1.7 7.1 927

ALL HOURS .8 3.3 3.3 8.4 4.3 16.0 7435

OPERATING LOCATION \*AW\* PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: NOV

HOURS (LST)	LIQUID PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	SNOW	DUST	ALL OBST	TOTAL NO. OF OBS
00-02	4.8			4.8	15.2	3.2			23.2	900
03-05	3.3			3.3	29.1	3.4			35.9	900
06-08	3.2			3.2	36.1	7.2			46.6	900
09-11	3.9			3.9	9.0	6.4			19.3	900
12-14	.1			5.3	2.1	3.4			10.9	900
15-17	.7			6.7	2.3	3.0			12.4	900
18-20	1.8			6.2	3.7	2.3			12.2	900
21-23	.1			5.0	5.7	3.7			14.3	900
ALL HOURS	.3			4.8	13.0	4.1			21.9	7200

MONTH: DEC

00-02	.2			4.5	20.1	1.5			26.1	930
03-05	.4			4.2	31.2	1.9			37.3	930
06-08	.4			4.0	38.0	2.8			44.7	930
09-11	.1			3.1	15.9	6.0	.1		25.2	930
12-14	.4			3.4	2.6	3.5			9.6	930
15-17	.5			4.6	2.7	1.7			9.0	930
18-20	.2			3.9	3.9	1.4			8.8	930
21-23	.2			3.8	7.3	1.0			12.6	930

ALL HOURS	.3			3.9	15.2	2.5	.0		21.7	7440
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OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 HOURS: ALL

MONTH	YSTMS	LIQUID	FROZEN	HAIL	ALL	FOG	SMOKE	BLOWING	DUST	ALL	TOTAL
	PRECIP	PRECIP	PRECIP		PRECIP		&/OR	SNOW	&/OR	OBST	NO. OF
							HAZE		SAND	TO VSN	OBS
JAN	.3	5.8			5.8	13.6	5.2		.0	24.6	7440
FEB	.5	6.3			6.3	14.1	4.9		.0	25.4	6792
MAR	.8	5.7			5.7	9.3	3.4		.0	18.8	7440
APR	.8	3.2			3.2	8.1	4.7		.0	16.0	7200
MAY	2.0	3.8			3.8	6.5	6.2		.0	16.5	7440
JUN	4.1	5.6			5.6	7.0	10.3		.0	22.9	7200
JUL	5.0	4.9		.0	5.0	3.7	11.3		.0	19.9	7440
AUG	5.3	5.8			5.8	4.0	4.7		.0	14.5	7440
SEP	2.4	6.9			6.9	6.4	4.7		.0	18.0	7200
OCT	.8	3.3			3.3	6.4	4.3		.0	16.0	7435
NOV	.3	4.8			4.8	13.0	4.1		.0	21.9	7200
DEC	.3	3.9			3.9	15.2	2.5		.0	21.7	7440
ANNUAL	1.9	5.0		.0	5.0	9.1	5.5		.0	19.6	87667

OPERATING LOCATION 'A' PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 USAFETAC, ASHEVILLE NC FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: 5205-8810  
 LSI TO UIC: +05 MONTH: ALL HOURS: ALL

MONTH	TSIMS	LIQUID	FREEZ	FROZEN	HAIL	ALL	PRECIP	HAZE	&/OR	SMOKE	BLOWING	DUST	&/OR	OBST	ALL	TOTAL	NO. OF
	PRECIP	PRECIP	PRECIP	PRECIP		PRECIP			SAND	SNOW	SAND	TO VSN	TO VSN	TO VSN		NOBS	
JAN	2.9	34.1		.3		34.2	50.2	31.3							66.8	1116	
FEB	6.3	37.2		.2		37.2	49.5	32.0							66.9	1017	
MAR	9.6	33.4				33.4	47.2	27.2			.2				64.8	1116	
APR	9.8	27.5		.1		27.5	40.4	30.8							60.8	1080	
MAY	24.5	38.2		.4		38.2	42.9	34.6							69.5	1132	
JUN	46.8	61.4		.1		61.4	34.0	32.1							80.5	1110	
JUL	58.8	68.3		.1		68.3	26.0	23.2							80.3	1147	
AUG	56.3	68.1		.3		68.1	29.6	20.4							81.2	1146	
SEP	31.8	59.9				59.9	34.4	22.3							77.3	1110	
OCT	8.5	40.4				40.4	39.0	24.8							64.4	1147	
NOV	3.2	30.9		.2		30.9	45.3	24.6							61.8	1080	
DEC	3.0	32.6				32.6	49.7	27.4							64.0	1116	
ANNUAL	22.1	44.5		.0	.1	44.6	40.9	27.5			.0				70.0	13317	

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88

HOURS (LST) LST TO UTC: + 5

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02	.1	.1	.6	.7	.8	.3	.2	.3	.1	.5	.2	.2
03-05	.9	.2	.5	.1	.6	.1			.2	.3	.4	.4
06-08	.4	.4	.6	.6	.4	.4	.2	.1	.1	.1	.4	.4
09-11	.4	.4	.5	.7	.5	.4	.2	1.2	.6	.2	.1	.1
12-14	.2	.7	1.0	1.4	1.6	5.7	5.8	9.7	4.0	.5	.1	.4
15-17	.2	.2	.9	1.4	5.2	12.7	20.5	18.8	6.4	1.6	.7	.5
18-20	.2	.2	.9	1.4	5.7	10.4	11.7	10.9	5.2	1.4	1.8	.2
21-23	.5	.5	.4	.6	1.3	2.3	1.6	2.6	.8	1.3	.1	.2

ALL HOURS .3 .5 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8

TOTAL OBS 7440 6792 7440 7200 7440 7200 7440 7440 7200 7435 7200 7440 7440

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JAN HOURS: ALL  
 PHENOMENA CALM VARIABLE 300 - 030 031 - 120 121 - 210 211 - 299 NO OF OBS  
 ISTMS 9.1 13.6 13.6 27.3 36.4 22

LIQUID PRECIP 1.2 29.8 27.7 21.5 19.8 484

FREEZING PRECIP

FROZEN PRECIP

FOG 10.4 37.1 17.6 17.6 17.3 1122

FOG WITH VIS GE 1/2 MILES 9.5 36.8 18.6 17.5 17.6 959

TOTAL OBS 358 0 2283 1296 1281 2222 0 7440

TSTMS 6.3 12.5 43.8 37.5 32

LIQUID PRECIP .4 35.6 27.2 20.3 16.4 463

FREEZING PRECIP

FROZEN PRECIP

FOG 10.6 34.7 16.0 13.4 19.4 1064

FOG WITH VIS GE 1/2 MILES 9.0 35.7 16.2 13.0 20.2 931

TOTAL OBS 295 0 1824 1539 1196 1938 0 6792

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAR HOURS: ALL  
 PHENOMENA CALM VARIABLE 300 - 030 031 - 120 121 - 210 211 - 299 NO OF OBS  
 TSTMS 13.2 17.6 35.3 33.8 68

LIQUID PRECIP	1.9	19.1	27.4	31.2	20.3	423
FREZING PRECIP						
FROZEN PRECIP						
FOG	9.8	21.9	21.3	23.6	23.3	825
FOG WITH VIS GE 1/2 MILES	8.8	22.2	22.1	23.0	24.0	775
TOTAL OBS	267	1370	2001	1712	2090	7450

TSTMS 19.4 29.9 39.4 22.0 27.1 218  
 MONTH: APR HOURS: ALL  
 19.4 29.9 39.4 22.0 27.1 218

LIQUID PRECIP	11.5	39.4	22.0	27.1	218	
FREZING PRECIP						
FROZEN PRECIP						
FOG	8.2	18.6	17.7	25.6	29.9	672
FOG WITH VIS GE 1/2 MILES	7.5	18.6	19.1	24.7	30.0	623
TOTAL OBS	250	1060	1995	1586	2309	7200

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

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAY HOURS: ALL

PHENOMENA CALM VARIABLE 300 - 030 031 - 120 121 - 210 211 - 299 NO OF OBS  
 TSIMS 4.2 10.7 23.0 31.0 26.2 168

LIQUID PRECIP 2.4 10.8 38.7 29.2 19.9 212

FREEZING PRECIP

FROZEN PRECIP

FOG 9.6 23.1 25.1 21.5 20.8 554

FOG WITH VIS GE 1/2 MILES 9.2 24.0 25.5 21.5 20.0 530

TOTAL OBS 287 994 3114 1776 1319 0 7440

TSIMS 1.2 9.4 32.5 24.4 28.7 342

LIQUID PRECIP 2.3 11.4 30.1 31.3 16.9 307

FREEZING PRECIP

FROZEN PRECIP

FOG 10.5 15.5 21.4 28.5 24.1 611

FOG WITH VIS GE 1/2 MILES 10.7 15.6 20.7 26.9 24.1 589

TOTAL OBS 315 825 2409 1974 1577 0 7200



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

STATION NUMBER: 722050 STATION NAME: JRLANDU IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUL HOURS: ALL  
 PHENOMENA CALM VARIABLE 300 - 030 031 - 120 121 - 210 211 - 299 NO OF OBS  
 TSIMS 14.3 31.9 23.6 25.3 427

LIQUID PRECIP .4 8.6 34.5 37.3 19.2 255  
 FREEZING PRECIP  
 FROZEN PRECIP  
 FOG 12.1 15.9 15.3 27.1 29.6 321  
 FOG WITH VIS GE 1/2 MILES 12.1 15.4 14.4 27.5 30.5 305  
 TOTAL OBS 365 604 2750 2526 1695 0 7440

TSIMS .9 11.0 33.3 29.9 24.0 462  
 MONTH: AUG HOURS: ALL

LIQUID PRECIP 1.6 10.7 20.1 32.1 27.2 327  
 FREEZING PRECIP  
 FROZEN PRECIP  
 FOG 16.7 13.0 24.2 24.2 16.9 372  
 FOG WITH VIS GE 1/2 MILES 16.4 17.5 25.3 23.3 17.5 348  
 TOTAL OBS 478 800 2617 2108 1248 0 7440

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

STATION NUMBER: 722050 STATION NAME: OAKLANDU IAP FLJLJJA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: SEP HOURS: ALL  
 PHENOMENA CALM VARIABLE 300 - 030 031 - 120 121 - 210 211 - 299 NO OF OBS  
 TSIMS 5 16.7 33.3 24.4 20.1 209

LIQUID PRECIP 3.1 15.9 31.2 34.1 15.7 490

FREEZING PRECIP

FROZEN PRECIP

FOG 11.1 39.2 20.8 14.5 14.5 559

FOG WITH VIS GE 1/2 MILES 11.5 33.9 20.4 14.2 15.1 530

TOTAL OBS 372 1653 311<sup>a</sup> 1268 789 0 7200

TSIMS 16.9 33.8 22.5 26.8 71

LIQUID PRECIP 3.2 41.4 12.3 12.0 11.2 251

FREEZING PRECIP

FROZEN PRECIP

FOG 9.9 40.2 20.0 11.1 19.9 749

FOG WITH VIS GE 1/2 MILES 9.2 41.3 17.4 11.1 17.0 695

TOTAL OBS 229 2036 2433 706 996 0 7435

OPERATING LOCATION "AW"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050      STATION NAME: ORLANDO TAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      MONTH: NOV      HOURS: ALL

PHENOMENA      CALM      VARIABLE      300 - 030      031 - 120      121 - 210      211 - 299      NO OF OBS  
 TSINS      18.5      29.6      29.6      22.2      29.6      27

LIQUID      .5      29.6      42.7      14.7      12.5      375  
 PRECIP

FREEZING      9.3      42.4      13.9      15.4      14.1      1081  
 PRECIP

FROZEN      9.2      42.1      19.2      15.0      14.4      978  
 PRECIP

FOG      298      2437      2417      1929      1019      0      7200  
 GE 1/2 MILES

TOTAL OBS      11.1      14.8      44.4      29.6      27

LIQUID      2.6      35.7      23.2      21.9      16.7      311  
 PRECIP

FREEZING      16.3      33.9      13.9      20.6      15.3      1301  
 PRECIP

FROZEN      14.9      35.5      13.5      20.9      15.1      1104  
 PRECIP

FOG      420      2580      1778      1293      1369      0      7440  
 GE 1/2 MILES

TOTAL OBS

OPERATING LOCATION: ASHEVILLE NC  
 PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
 VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTHS: ALL

PHENOMENA CALM VARIABLE 300 - 030 031 - 120 121 - 210 211 - 299 NO OF OBS  
 ISIMS 1.1 13.0 31.2 28.9 25.9 1922

LIQUID PRECIP 1.7 22.7 31.2 25.7 18.2 4116

FREEZING PRECIP

FROZEN PRECIP

FOG 11.1 30.9 13.8 19.8 19.4 9231

FOG WITH VIS GE 1/2 MILES 10.5 31.0 19.0 19.8 19.7 8367

TOTAL OBS 3934 19324 27243 18425 18681 87667

ppppppp	AAAAA	RRRRRR	TTTTTTTT	BBBBBBB
pppppppp	AAAAAAA	RRRRRRR	TTTTTTTTT	BBBBBBBBB
pp	AA	RR	TT	BB
pp	AA	RR	TT	BB
pppppppp	AAAAA	RRRRRRR	TTTTTTTTT	BBBBBBBBB
pppppppp	AAAAAAA	RRRRRRR	TTTTTTTTT	BBBBBBBBB
pp	AA	RR	TT	BB
pp	AA	RR	TT	BB
pp	AA	RR	TT	BB
pp	AA	RR	TT	BB

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SDD) 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. 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. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND ".0" MEANS NO SNOW DEPTH FOR THE MONTH.

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

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

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

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN 10 SETS OF MONTHLY DATA, OR MORE, 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:

THROUGH 1945:	AIR FORCE	NAVY AND NATIONAL WEATHER SERVICE
	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

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: 722050 STATION NAME: OKLANDU IAP FLOKIDA  
 LST TO UTC: +05

PERIOD OF RECORD: 4401-4610, 5205-8810  
 MONTHS: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	65.9	62.8	66.1	71.5	61.9	37.7	30.8	31.3	39.7	59.6	68.9	66.9	55.0
TRACE	12.6	11.8	10.6	11.5	10.5	16.2	14.1	16.5	14.7	14.0	12.8	13.5	13.2
.01	1.9	2.4	1.3	1.1	2.0	2.6	3.5	3.0	3.8	2.2	1.8	1.7	2.3
.02-.05	4.9	3.8	3.7	3.2	5.3	6.7	8.7	9.9	7.7	5.8	4.3	4.4	5.7
.06-.10	3.0	4.0	3.5	2.7	2.9	6.0	6.1	6.5	3.9	2.8	2.5	2.7	3.9
.11-.25	4.1	4.9	4.1	3.5	5.5	9.2	11.9	9.8	9.8	5.6	3.5	3.4	6.3
.26-.50	3.1	4.5	3.4	2.3	5.4	6.5	9.0	9.8	8.2	4.2	2.8	3.6	5.3
.51-1.00	2.8	3.3	4.3	2.3	3.5	9.1	9.2	7.4	7.4	3.9	1.6	2.1	4.7
1.01-2.50	1.5	2.5	2.5	1.7	2.7	5.7	6.0	5.6	4.4	1.6	1.6	1.6	3.1
2.51-5.00	.2	.1	.4	.3	.3	1.4	.7	.2	.4	.2	.2	.1	.4
5.01-10.00													.0
10.01-20.00													.1
OVER 20.00													.1

DAYS WITH MEAS AMTS	21.5	25.5	23.3	17.0	27.6	46.2	55.1	52.3	45.7	26.4	18.2	19.6	31.7
TOTAL NO. OF OBSERVATIONS	1203	1088	1178	1140	1190	1170	1209	1209	1200	1223	1140	1178	14128



OPERATING LOCATION 'A'  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: 4401-4610, 5205-8610  
 LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
44	.05*	.06	4.77	1.73	4.72	10.70	11.38	5.93	3.76	6.50	.35	.04	49.99*
45	3.91	.13	.88	.90	.18	12.13	7.08	5.43	14.69	1.95	.39	3.30	50.97
46	1.55	.11*						5.37	1.87*				8.90*
52	1.50	2.40	2.55	6.96	1.37*	1.66	6.99	3.00	7.73	4.50	.83	.63	26.71*
53	.67	1.17	1.04	3.32	3.81	8.53	10.21	4.42	4.10	3.42	3.82	3.61	58.76
54	1.99	.75	1.86	1.50	1.37	4.68	5.31	2.35	7.65	2.08	1.87	1.80	45.10
55	1.68	.56	.06	3.24	2.37	6.36	2.32	4.40	5.59	10.00	.08	.11	36.77
56	.76	2.45	3.62	2.93	5.93	5.44	6.15	5.88	6.91	1.61	.70	2.59	44.97
57	3.35	2.96	7.02	3.32	2.63	9.16	11.73	1.56	2.27	5.48	1.09	2.36	52.93
58	2.89	4.52	8.25	5.38	1.53	9.68	11.11	6.13	5.41	7.34	.96	1.60	64.80
59	1.34	4.19	12.70	.89	1.72	5.18	10.00	4.04	8.67	2.21	.09	.83	51.86
60	1.80	1.99	1.50	.45	1.20	7.35	5.71	5.81	2.73	2.62	1.29	1.78	34.23
61	1.51	1.93	3.14	1.69	2.48	7.24	6.78	6.55	8.29	1.38	2.20	1.27	44.46
62	2.59	5.26	2.49	.33	4.42	3.26	3.37	3.00	4.49	.03	6.86	2.18	38.28
63	4.92	2.78	3.77	2.10	1.72	3.69	7.02	9.18	5.32	1.98	.73	1.99	45.20
64	2.11	3.03	1.74	.36	.36	5.69	9.53	7.71	4.31	3.42	1.04	2.18	41.48
65	4.71	6.00	2.14	1.56	5.06	9.10	3.03	9.14	4.98	1.86	.08	1.21	48.87
66	1.34	5.54	.84	.32	1.75	7.63	11.29	8.73	4.62	.43	.05	2.44	45.18
67	.13	4.29	1.51	.31	6.28	12.46	11.33	6.13	4.32	4.25	2.00	.58	53.59
68	2.34	3.09	5.18	1.00	1.62	3.31	3.54	5.82	6.77	5.07	1.61	4.21	43.56
69	3.54	3.56	3.61	.60	3.39	6.96	6.13	3.65	1.99	2.73	.25	1.00	37.41
70	.67	4.04	1.36	1.21	4.07	3.82	5.65	10.27	4.56	5.66	2.16	1.43	44.90
71	1.49	4.05	2.47	.72	2.56	7.95	4.02	13.42	.51	3.57	3.42	1.50	45.68
72	5.51	2.08	2.60	2.42	3.23	5.65	7.65	8.06	7.52	1.27	.62	2.37	48.98
73	.44	.63	3.67	1.17	2.69	15.28	6.01	6.56	5.78	.48	.31	1.62	44.64
74	.98	1.49	1.10	1.36	7.52	9.70	9.26	4.75	4.97	4.74	.66	.51	47.04
75	.37	.82	1.72	2.16	10.36	9.93	7.05	3.25	5.87	.74	2.03	2.77	47.08
76	1.81	1.76	1.82	.14	1.47	4.47	6.61	6.28	7.03	.43	2.60	3.70	38.12
77	2.49	5.45	2.14	.61	3.16	10.00	11.92	5.13	4.31	1.51	.18	3.69	50.59
78	6.48	1.45	3.24	1.08	7.66	4.00	7.95	5.88	9.19	.43	1.93	.94	50.23
79	2.45	1.64	1.51	4.07	6.96	5.25	5.14	2.92	3.70	.55	6.55	.47	41.21
80													

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: 4401-4610, 5205-8810  
LST TO UIC: 405 MONTHS: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	4.26	1.85	1.85	.18	2.02	12.49	3.53	5.60	8.26	3.13	2.50	2.97	47.10
82	1.72	1.34	4.85	6.27	5.29	6.06	11.61	5.03	6.96	.74	.53	1.01	51.61
83	2.08	8.32	5.37	3.21	1.77	7.82	6.49	4.83	5.16	3.78	1.36	5.33	55.52
84	2.01	2.73	1.85	6.21	3.20	5.32	6.19	7.89	6.19	.56	2.10	.19	44.44
85	.91	1.27	4.59	1.69	3.00	4.54	7.28	11.63	5.45	2.55	.82	3.46	47.19
86	7.23	1.84	2.63	.49	.88	9.50	5.85	5.99	4.50	5.63	1.69	3.60	49.83
87	1.27	1.74	11.38	.59	1.40	3.54	7.95	6.07	8.64	3.41	10.29	.51	56.79
88	3.12	1.38	6.07	2.02	2.87	4.17	9.44	7.94	5.67	1.42			44.05*
LEAST	.13	.06	.06	.14	.18	1.66	2.32	1.56	.51	.03	.05	.04	33.31
GREATEST	7.23	8.32	12.70	6.96	10.36	15.28	11.92	13.42	14.69	10.00	10.29	5.33	64.80
MEAN	2.26	2.71	3.39	1.96	3.25	7.13	7.30	6.21	5.81	2.90	1.91	1.92	46.74
MEDIAN	1.81	2.24	2.52	1.46	2.66	6.96	6.99	5.88	5.43	2.55	1.19	1.70	46.36
SD	1.689	1.847	2.744	1.805	2.280	3.088	2.788	2.651	2.440	2.223	2.103	1.288	6.795
TOTAL OBS	1203	1088	1178	1140	1190	1170	1209	1209	1200	1223	1140	1178	14128

THE GREATEST VALUE OF 15.28 OCCURRED ON 06/74

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: 722050

STATION NAME: ORLANDO IAP FLORIDA

PERIOD OF RECORD: 4401-4610, 5205-8810

LST TO UTC: +05

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
44	.03*	.03	1.04	.64	1.43	2.00	2.47	1.41	.89	2.68	.10	.04	2.68*
45	1.40	.08	.50	.52	.16	4.36	2.62	1.90	7.57	.75	.24	1.15	7.57
46	.77	.09*							.95	1.43*			1.43*
52	.91	1.43	1.09	2.20	1.30*	.82	1.50	.50	1.21	.87	.83	.36	1.50*
53	.37	.32	.56	.86	1.56	3.09	2.21	2.08	1.47	1.19	2.41	1.15	2.41
54	1.56	.33	1.14	.54	.90	1.07	1.22	1.53	.88	2.13	2.11	.66	3.09
55	1.40	.22	.06	1.48	1.46	2.47	.60	.66	1.91	4.42	.05	.10	4.42
56	.58	.81	1.40	1.13	2.47	1.84	2.17	1.46	1.08	.64	.61	1.57	2.47
57	1.76	1.75	1.75	1.95	.74	3.20	2.60	.30	.68	2.11	.86	.74	3.20
58	1.10	2.01	2.09	2.56	.37	2.42	2.06	2.05	.96	1.77	.51	1.13	2.56
59	.95	1.20	5.41	.40	.40	.78	1.63	1.25	2.84	.65	.09	.41	5.41
60	1.27	1.35	.83	.36	.34	3.24	1.50	2.38	2.13	.99	.60	1.45	3.24
61	.41	1.79	.97	.81	1.63	2.11	2.49	1.21	1.55	.82	.84	1.17	2.49
62	.98	1.72	.92	.19	1.04	.73	.49	.62	1.44	.03	4.64	.79	4.64
63	2.84	.75	1.45	2.00	1.23	1.68	1.74	1.75	1.96	.73	.54	1.22	2.84
64	1.57	1.94	1.02	.15	.31	1.44	2.02	1.56	1.80	.95	.36	1.19	2.02
65	1.06	2.15	.85	1.38	1.35	2.57	.60	2.45	1.13	.70	.08	.53	2.57
66	.99	1.84	.34	.32	.61	1.33	2.01	1.40	1.26	.19	.05	1.64	2.01
67	.10	2.82	.54	.21	1.89	3.69	2.77	1.07	1.08	.88	1.02	.30	3.69
68	1.53	1.77	1.99	.39	1.14	1.54	.66	1.73	1.89	1.26	1.14	1.71	1.99
69	1.40	1.77	1.05	.28	1.77	1.85	2.12	.76	.43	1.17	.23	.77	2.12
70	.28	1.86	.55	.71	1.98	.77	1.03	2.43	1.34	1.23	1.06	1.12	2.43
71	.51	1.02	1.83	.39	.57	2.84	1.22	3.92	.24	2.44	1.02	1.08	3.92
72	1.75	.97	1.05	.95	1.07	1.62	1.93	1.59	1.51	.57	.51	.76	1.93
73	.15	.32	3.11	.92	.79	3.47	.83	1.60	1.72	.37	.15	.94	3.47
74	.41	.70	.50	1.11	1.67	2.00	2.31	1.76	1.73	2.43	.20	.20	2.43
75	.15	.52	.44	1.14	2.66	1.89	1.30	.70	1.50	.36	1.04	.76	2.66
76	.95	.67	1.50	.11	.44	1.21	1.47	1.03	3.56	.14	.70	.82	3.56
77	.94	2.36	1.31	.50	1.45	3.95	1.75	1.35	2.81	.58	.16	1.31	3.95
78	3.41	.63	1.59	.77	2.63	2.07	2.64	1.85	3.62	.20	.60	.41	3.62
79	1.03	.45	.98	1.91	3.14	1.32	1.10	1.10	1.05	.20	2.33	.27	3.14
80													

OPERATING LOCATION 'A'  
 USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
 FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050

STATION NAME: ORLANDO IAP FLORIDA  
 LST TO UTC: +05

PERIOD OF RECORD: 4401-4610, 5205-8610  
 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	1.05	2.12	1.01	1.16	1.23	4.40	1.22	.92	3.17	2.00	2.00	1.37	4.40
82	1.52	.42	1.13	3.03	1.64	2.45	3.75	1.11	1.50	.50	.29	.39	3.75
83	.92	2.19	1.29	.75	1.22	1.66	1.19	1.15	1.75	1.13	1.09	2.79	2.79
84	.58	1.00	.99	3.78	.89	1.92	1.50	1.85	1.94	.53	.86	.12	3.78
85	.87	.52	4.06	.71	1.15	.96	1.58	2.57	2.21	1.38	.47	1.67	4.06
86	.78	.87	.90	.23	.60	1.68	1.20	1.32	2.04	2.10	1.03	1.27	4.17
87	1.20	.56	3.20	.47	.50	1.68	1.26	1.74	2.13	1.52	3.57	.49	3.57
88			2.33	1.56	1.20	.87	1.92	1.20	1.73	.91			2.33*

GREATEST 4.17 2.82 5.41 3.78 3.14 4.40 3.75 3.92 7.57 4.42 4.64 2.79 7.57

TOTAL OBS 1203 1088 1179 1140 1190 1170 1209 1209 1200 1223 1140 1178 14128

THE GREATEST VALUE OF 7.57 OCCURRED ON 09/16/45

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



OPERATING LOCATION 'A' TOTAL MONTHLY SNOWEALL AMOUNTS IN INCHES  
 USAFETAC, ASHEVILLE NC FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: 5205-8810  
 LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: 5205-8810  
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*

LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEDIAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS	1116	1017	1116	1080	1132	1110	1147	1147	1110	1147	1080	1116	13918

THE GREATEST VALUE OF TRACE OCCURRED ON 01/53

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: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LSI ID.UIC: +05

PERIOD OF RECORD: 5205-8810  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0*
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0



OPERATING LOCATION 'A'  
 USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
 FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: 5205-8810  
 LST TO UTC: +05      MONTH: ALL      HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*

GREATEST	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
TOTAL OBS	1116	1017	1116	1080	1132	1110	1147	1147	1110	1147	1080	1116	13318

THE GREATEST VALUE OF TRACE OCCURRED ON 01/08/58

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

OPERATING LOCATION: ASHEVILLE NC PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
 FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: 5205-8810  
 LST TO UTC: +05 MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TRACE					.1								.0

1													
2													
3													
4-6													
7-12													
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													

DAYS WITH MEAS AMTS

TOTAL NO. OF OBSERVATIONS	1116	1017	1116	1080	1132	1110	1147	1147	1110	1147	1080	1116	13318
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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: 5205-8810  
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52					0*	0	0	0	0	0	0	0	0*
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	TRACE	0	0	0	0	0	0	0	TRACE
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

OPERATING LOCATION 'A'  
USMFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050

STATION NAME: ORLANDO IAP FLORIDA

PERIOD OF RECORD: 5205-8810

LSI TO UTC: +05

MONTH: ALL

HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	0	0	0	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0	0	0	0*

GREATEST	0	0	0	0	TRACE	0	0	0	0	0	0	0	TRACE
TOTAL OBS	1116	1017	1116	1080	1132	1110	1147	1147	1110	1147	1080	1116	13318

THE GREATEST VALUE OF TRACE OCCURRED ON 05/20/51

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

OPERATING LOCATION 'A':  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA

PERIOD OF RECORD: 5205-8810  
SNOW-YEAR: 1 AUG - 31 JUL

.....	FIRST	FIRST	MEASURABLE	MEASURABLE	LAST	LAST	MEASURABLE	MEASURABLE
SNOW-YEAR	SNOWFALL	SNOWFALL	SNOW DEPTH	SNOW DEPTH	SNOWFALL	SNOWFALL	SNOW DEPTH	SNOW DEPTH
57 - 58								
76 - 77								

57 - 58 JAN 08  
76 - 77 JAN 18

JAN 08  
JAN 19

MEDIAN-DATE JAN 13

JAN 13

PPPPPPP	AAAAA	RRRRRRR	TTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCC
PP	AA	RR	TT	CC
PP	AA	RR	TT	CC
PPPPPPPP	AA	RRRRRRR	TT	CC
PPPPPPPP	AAAAAAA	RRRRRRR	TT	CC
PP	AA	RR	TT	CC
PP	AA	RR	TT	CC
PP	AA	RR	TT	CC
PP	AA	RR	TT	CCCCCCC
				CCCCC

## 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 PEAK SPEEDS ARE AVAILABLE.

## 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 (800 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 (800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
 LST TO UTC: +05

PERIOD OF RECORD: 5608-8810  
 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
54													
57	ENE 28 WSW 27 NW 33 SE 29 W 31 SSW 33 SW 41 N 44 SSE 29 NW 34 NE 28 NNH 31 N #44												
58	NNE 36 NNH 38 W 35 SSE 31 W 30 SW 35 NNE*25 SSE 21 ENE 23 ENE 32 NNH 21 NNH 28 N #42												
59	NW 30 SSW 35 * W #16 W 28 SSW 37 W #31 S 22 N 30 S 27 NNH 25 N 29 SSW*37												
60	SW 25 W #48 W 30 SSW 24 NNH 23 SSW 30 W #18 W #23 NW #25 SSW 31 ENE*16 SSW*29 W #48												
61	S #28 NW #30 NNE 36 SW #36 NNH*28 WSW*52 E #29 NE #30 ESE*22 NNE*21 WSW*28 SSW*20 WSW*52												
62	S 32 NNW 25 W 32 S 28 NNE 36 S 26 WSW*34 W 27 SSW*30 NNE*27 W #22 NNH*27 NNE*36												
63	WSW*32 W #35 ENE*28 * * * * * S #19 SSW*32 E #24 W #36 E #31 W #36												
64	W 35 W 42 NNH 37 S 39 NNH 29 SSE 33 SW 31 NNH 41 S 38 SSW 30 N 26 NNE 29 W 42												
65	N 38 W 48 W 50 NNW 36 NE 30 SSE 42 SE 32 W 25 ENE 40 N 24 SSE 30 ESE*28 W #50												
66	NW #40 W #33 W 32 NW 34 SSW 35 E 44 WSW 33 E 38 SW 43 SSE 31 W 32 S 30 E #44												
67	SSE 35 NW 30 NNE 32 ENE 26 SW 45 WSW 34 W 31 ESE 34 NNE 26 E #23 NE 28 WSW 36 SH #45												
68	ENE 26 NNH 34 NW 33 N 26 N 32 NNE 33 ENE*27 ENE*29 E #26 N #21 NNE*19 NNH*21 NNH*34												
69	N #19 E #19 E #21 ENE*23 NNE*20 N #17 E #36 NE #25 NNH*20 E #16 NNH*36 NNH*24 E #36												
70	ENE*26 ENE*26 N #27 NNE*18 NNH*25 ESE*27 NNH*33 NE #22 NNE*20 N #16 ENE*28 ESE*28 NNH*33												
71	ENE*30 ENE*34 E #30 * E #22 E #28 ENE*24 ENE*25 NNE*14 NE #20 N #18 NNH*25 ENE*34												
72	ESE*26 ENE*34 ENE*31 N #23 E #36 NE #33 ESE*34 NNE*14 NNE*17 ESE*26 ENE*20 N #20 E #36												
73	E #25 NE #27 E #25 ESE*28 E #34 E #25 ESE*26 NE #30 N #36 NE #17 ESE*22 E #26 N #36												
74	NNH*20 SW 36 W 35 E 26 N 40 SW 43 S 46 S 43 NW 39 NE 32 NE 27 NW 32 S #46												
75	W #36 W 42 SW 33 W 32 NW 36 SE 37 SW 37 W 34 S 40 SE 29 NW 29 SE 30 W #42												
76	W 35 SW 37 SW 37 NE 33 N 48 W 35 NE 35 N 31 NE 28 N 29 N 30 NW 29 N 48												
77	NW 36 W 34 SW 27 NW 33 W 37 W 46 SW 36 S 41 S 34 SW 24 NW 26 SW 27 W 46												
78	W 40 SW 32 W 35 W 32 SE 30 N 33 SW 41 W 32 E 22 N 27 S 24 S 36 SW 41												
79	W 40 W 33 SW 40 SW 27 E 37 NE 40 SW 47 W 37 N 47 N 25 NE 28 W 29 SW 47												
80	W 32 SW 33 W 40 SW 34 NW 52 E 30 SW 36 SE 36 N 34 W 25 SW 31 N 26 NW 52												
81	SW 25 SW 36 SW 38 NE 26 W 55 SE 40 S 43 SE 33 N 31 NE 33 SE 31 SW 38 W 55												
82	W 38 NW 32 SW 35 NW 49 SW 34 N 4R SW 40 W 37 NE 33 N 25 NE 24 SE 24 NW 49												
83	SW 29 SW 34 SW 44 S 34 NW 33 SW 35 NE 50 NW 34 E 36 W 28 W 43 N 29 NE 50												
84	S 26 W 34 W 36 SW 31 N 2R SW 28 S 35 E 31 S 37 E 30 NE 36 W 37 S 37												
85	SW 32 W 38 W 30 W 29 SW 37 W 54 SW 47 SE 36 SE 24 W 29 SW 25 W 29 W 54												
86	SW 36 SW 28 NW 28 SW 26 W 24 SW 27 W 24 S 27 W 17 SW 26 W 20 SW 30 SW 36												
87	S 30 W 32 E 34 W 34 NE 27 SW 29 NE 17 NE 18 SE 16 NW 18 H 30 E 34												
88	W 33 SW 41 NW 37 SW 38 N 33 W 36 W 31 SW 36 NW 47 W 33 NW #47												



DEPARTING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050

STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: +05

PERIOD OF RECORD: 5608-8810

MONTH: ALL HOURS: ALL

YEAR: JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANN

GREATEST	NW	40	W	48	W	50	NW	49	W	55	W	54	NE	50	N	44	N	47	NW	34	W	43	SW	38	W	55
TOTAL OBS	810	778	823	765	824	796	778	836	792	825	754	808	9589													

THE PEAK WIND OF 55 FROM W OCCURRED ON 05/20/81

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

MONTH	WIND SPEEDS IN KNOTS												MEAN WIND	MEDIAN WIND	TOTAL OBS
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	65	GE 65			
JAN	.0	3.5	24.4	32.7	23.5	9.9	4.2	1.4	.5	.0	.0	.0	18.6	18.0	810
FEB	.0	1.5	19.0	34.7	26.3	9.6	6.6	1.5	.6	.0	.0	.0	19.6	19.0	778
MAR	.0	.1	15.8	37.5	25.6	11.5	6.7	1.9	.6	.1	.0	.0	20.2	19.0	823
APR	.0	.3	14.4	40.3	31.0	9.7	3.8	.5	.1	.0	.0	.0	19.5	19.0	765
MAY	.0	.4	15.5	42.4	27.3	9.2	2.7	1.8	.5	.2	.0	.0	19.4	18.0	824
JUN	.0	1.1	15.3	37.2	28.6	9.4	5.4	1.1	1.5	.3	.0	.0	20.0	19.0	796
JUL	.1	2.1	21.6	32.0	25.3	9.5	6.7	1.7	.9	.1	.0	.0	19.5	18.0	778
AUG	.0	3.9	22.2	36.7	23.0	9.0	3.5	1.1	.6	.0	.0	.0	18.4	18.0	836
SEP	.0	2.5	27.7	37.9	21.8	6.1	1.9	1.5	.6	.0	.0	.0	17.8	17.0	792
OCT	.0	2.9	27.8	38.8	23.8	5.0	1.8	.0	.0	.0	.0	.0	17.2	17.0	825
NOV	.1	4.4	30.6	37.4	19.9	5.6	1.2	.7	.1	.0	.0	.0	16.9	16.0	754
DEC	.0	4.2	31.1	34.2	20.0	8.8	1.1	.6	.0	.0	.0	.0	17.2	17.0	808
ANNUAL	.0	2.2	22.1	36.8	24.7	8.6	3.8	1.2	.5	.1	.0	.0	18.7	18.0	9589

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: 5608-8810  
 LSI TO UTC: +05      MONTH: ALL      MOVES: ALL

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND MIND	MEDIAN WIND MIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	2.5	11.2	2.9	.1									16.7	7.1	7.0
020-040	1.8	5.3	.3										7.4	5.9	6.0
050-070	2.0	3.0	.2										5.3	5.3	5.0
(E) 080-100	.8	1.7	.2	.1									2.8	6.2	5.5
110-130	1.7	2.2	.2										4.1	5.6	5.0
140-160	1.1	2.7	.6	.2									4.6	7.3	7.0
(S) 170-190	2.3	4.2	1.2	.2	.2								8.1	7.2	6.0
200-220	1.4	1.9	.5	.2									4.1	6.7	6.0
230-250	2.3	3.1	.8										6.1	6.0	6.0
(W) 260-280	1.5	4.3	1.5	.3									7.6	7.5	7.0
290-310	2.6	6.5	2.6	.4									12.0	7.3	7.0
320-340	2.2	8.2	1.8	.3									12.5	7.3	7.0

VARIABLE .....  
 CALM // 8.7 //  
 TOTALS 22.2 54.3 12.8 1.8 .2 100.0 6.2 6.0

TOTAL NUMBER OF OBSERVATIONS 930

STATION NUMBER: 722050 PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 MONTH: JAN HOURS: 0-05

WIND SPEED IN KNOTS  
 DIRECTION (SERVES)

DIRECTION (SERVES)	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
(M) 000-010	4.3	10.8	3.1									18.2	6.6	6.0
020-040	2.2	4.2	.5	.1								7.0	6.0	5.0
050-070	1.4	2.0	.5									4.0	6.0	6.0
(E) 080-100	1.5	1.0	.2									2.7	5.6	4.0
110-130	.8	2.0	.3	.1								3.2	6.9	6.5
140-160	1.3	2.9	.1									4.3	5.5	5.0
(S) 170-190	1.8	4.8	2.0	.4								9.1	7.5	7.0
200-220	.9	2.2	.3	.2								3.5	6.8	6.0
230-250	1.4	2.4	1.0	.1								4.8	6.6	5.0
(W) 260-280	1.0	2.7	.8	.1								4.5	7.1	6.0
290-310	1.9	6.1	3.3	.2								11.6	8.0	8.0
320-340	1.7	9.6	4.2	.3								15.8	7.9	8.0

VARIABLE .....  
 CALM // 11.2 //  
 TOTALS 20.2 50.7 16.3 1.4 .1 100.0 6.2 6.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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 MEDIAN WIND WIND %

(N) 350-010 2.5 14.0 3.7 .1 20.2 7.1 7.0

020-040 1.3 4.3 .3 5.9 6.0 6.0

050-070 1.0 3.2 .1 4.3 5.9 6.0

(E) 080-100 1.3 1.6 .2 3.1 5.3 5.0

110-130 1.2 2.3 .2 3.7 5.9 6.0

140-160 1.7 2.7 .4 .2 5.1 6.2 5.0

(S) 170-190 2.6 4.7 1.8 .6 9.8 7.4 6.0

200-220 .8 1.4 .6 2.8 7.0 6.0

230-250 1.3 3.5 .5 .2 .1 .1 5.8 7.0 5.5

(W) 260-280 1.0 2.2 1.1 .4 4.6 8.0 6.0

290-310 1.4 4.6 2.6 .3 8.9 8.2 8.0

320-340 2.7 9.7 4.3 .2 16.9 7.6 7.0

VARIABLE

CALM // 8.9 //

TOTALS 19.8 54.2 15.8 2.0 .1 .1 100.0 6.4 6.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: JAN HOURS: 09-11

.....  
 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 SPEED IN KNOTS % WIND WIND

(N) 350-010 1.1 8.5 7.4 1.0 ..... 18.0 9.3 9.0

020-040 1.0 5.3 2.3 .1 ..... 8.6 7.8 7.0

050-070 1.0 5.1 .5 ..... 6.6 6.6 6.0

(E) 080-100 .8 .6 .9 ..... 2.4 7.5 6.5

110-130 1.1 2.5 1.4 .1 ..... 5.1 7.5 7.0

140-160 .6 2.3 1.7 .4 ..... 5.1 8.7 8.0

(S) 170-190 1.0 3.5 3.8 1.2 .1 ..... 9.6 9.9 10.0

200-220 .4 2.2 2.3 .4 ..... 5.3 9.8 10.0

230-250 .6 2.5 1.1 .4 .1 ..... 4.7 8.5 7.0

(N) 260-280 .3 2.4 1.3 .9 ..... 4.8 10.2 9.0

290-310 1.7 7.0 4.3 1.2 ..... 14.2 9.1 9.0

320-340 1.1 6.0 5.4 1.1 ..... 13.5 9.5 9.0

.....  
 VARIABLE .....

CALM /// 2.3 ///

TOTALS 10.7 48.1 32.4 6.6 .2 100.0 8.7 8.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 930 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL Σ	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.1	4.2	4.4	.4									9.1	9.8	10.0
020-040	.2	3.4	2.8	.1									6.6	9.3	8.0
050-070	.6	3.4	3.0	.2									7.3	8.8	8.0
(E) 080-100	.2	3.1	1.3	.3									4.9	8.6	8.0
110-130	.9	3.3	1.9	.1									6.1	8.5	8.0
140-160	.1	1.9	1.8	.9	.2								4.8	10.8	10.0
(S) 170-190	.2	2.9	4.4	1.5	.4								9.5	11.6	12.0
200-220	.2	2.2	2.8	1.4	.2								6.8	11.3	11.0
230-250	.4	2.4	2.6	1.5	.2	.2							7.3	11.6	10.5
(W) 260-280	.5	2.2	4.7	2.2	.5								10.1	11.9	12.0
290-310	.3	8.3	7.2	1.5	.5								17.8	10.2	10.0
320-340	.3	5.4	3.4	.3									9.5	9.1	8.0

VARIABLE .....  
 CALM // .1 //  
 TOTALS 3.9 42.7 40.3 10.3 2.0 .2 100.0 10.2 10.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.8	4.9	3.5	.2								9.5	8.4	8.0
020-040	.6	8.8	2.9	.1								12.5	7.8	8.0
050-070	.8	10.3	1.0	.1								12.2	6.9	6.0
(E) 080-100	1.7	7.4	1.2									10.3	6.7	6.0
110-130	.8	2.9	.4	.1								4.2	7.3	8.0
140-160	.5	1.9	1.3	.2								4.0	8.2	8.0
(S) 170-190	1.3	3.0	.3									4.6	6.3	6.0
200-220	.5	2.9	.8									4.2	7.0	6.0
230-250	.2	5.1	1.2	.3								6.8	7.7	7.0
(W) 260-280	.9	6.0	5.6	1.7	.2	.2						14.6	10.4	10.0
290-310	1.6	5.9	2.3	.5								10.3	7.8	7.0
320-340	1.2	2.9	.9									4.9	6.9	6.0

VARIABLE .....  
 CALM // 1.9 //  
 TOTALS 10.9 62.0 21.4 3.2 .2 .2 100.0 7.7 7.0

TOTAL NUMBER OF OBSERVATIONS 930



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLJUIA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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 65 TOTAL MEAN WIND MEDIAN WIND %  
 (N) 350-010 2.3 10.4 2.9 .2 15.8 7.2 7.0

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	65	TOTAL	MEAN WIND	MEDIAN WIND	%
020-040	2.0	6.7	1.0									9.7	6.4	6.0	
050-070	2.3	6.0	.4									8.7	5.8	5.0	
(E) 080-100	1.4	3.5		.1								5.1	5.5	5.0	
110-130	.9	4.0	.1	.3								5.3	6.7	6.0	
140-160	.6	3.8	.6									5.1	7.1	7.0	
(S) 170-190	1.4	3.4	1.3	.4								6.6	7.4	6.0	
200-220	.8	2.4	.5									3.7	6.8	6.0	
230-250	.6	5.5	.8									6.9	6.8	6.0	
(W) 260-280	1.1	3.0	2.8	.1	.1							12.0	7.8	7.0	
290-310	1.1	5.9	3.1	.3	.2							10.6	8.7	8.0	
320-340	1.1	3.8	1.3	.1	.1							6.3	7.7	7.0	

VARIABLE  
 CALM // 4.3 //

TOTALS 15.6 63.4 14.8 1.5 .4 100.0 6.8 6.5

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS					TOTAL	MEAN	MEDIAN						
	1-4	5-9	10-14	15-19	20-24				25-29	30-34	35-39	40-49	50-64	65
(N) 350-010	1.7	8.5	4.0	.3								14.5	7.9	8.0
020-040	1.2	5.2	1.6	.1								8.1	7.3	7.0
050-070	1.2	4.6	1.1	.1								7.1	7.0	6.0
(E) 080-100	1.0	2.8	.8	.1								4.8	7.1	6.0
110-130	.9	2.7	.8	.1								4.6	7.3	7.0
140-160	.8	2.6	1.0	.2	.0							4.7	7.8	7.0
(S) 170-190	1.3	3.8	2.2	.7	.1							8.1	8.6	8.0
200-220	.6	2.1	1.3	.4	.0							4.4	8.6	8.0
230-250	.9	3.4	1.5	.5	.1	.1						6.5	8.5	7.0
(W) 260-280	.8	4.0	2.8	1.0	.2	.1						8.8	9.8	9.0
290-310	1.5	6.4	4.0	.8	.1							12.8	8.9	8.0
320-340	1.4	6.5	2.9	.3	.0							11.0	8.0	8.0

.....  
 VARIABLE  
 CALM // 4.7 //

TOTALS 13.3 52.6 24.0 4.6 .5 .2 100.0 7.8 8.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 7440  
 .....

OPERATING LOCATION "A"  
 USMAPETAC, ASMEVILLE NC

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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.

DIRECTION (DEGREES) WIND SPEED IN KNOTS TOTAL MEAN WIND % WIND

(N) 350-010 1.4 12.3 7.5 .5 21.6 8.4 8.0

020-040 1.0 8.2 3.9 .2 13.4 8.2 8.0

050-070 1.0 6.0 .5 7.5 6.4 6.0

(E) 080-100 .6 .7 .6 .5 2.3 8.7 6.5

110-130 .5 .7 .7 .7 2.5 10.7 12.5

140-160 .7 2.0 .7 .3 3.7 7.8 6.0

(S) 170-190 .6 3.2 4.2 .9 8.9 10.1 10.0

200-220 .2 1.7 2.0 .3 4.3 9.8 10.0

230-250 .6 2.9 2.2 .2 .1 6.0 8.8 8.0

(W) 260-280 .1 1.6 1.3 1.2 4.2 11.2 11.5

290-310 1.3 5.1 3.1 .7 10.2 8.8 8.0

320-340 1.2 7.1 3.8 .2 12.3 8.5 8.0

VARIABLE

CALM // 3.1 //

TOTALS 9.2 51.5 30.5 5.7 .1 100.0 8.4 8.0

TOTAL NUMBER OF OBSERVATIONS 865

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND				
	1-4	5-9	10-14	15-19	20-24	25-29	30-34				35-39	40-49	50-64	GE 65
(N) 350-010	1.9	8.0	3.3	.4								13.5	7.6	7.0
020-040	2.6	4.6	.9									8.1	6.1	6.0
050-070	2.1	5.1	.6									7.8	6.0	6.0
(E) 080-100	.8	3.5	.1	.1	.1							4.7	6.5	6.0
110-130	1.1	4.0	.2									5.3	6.1	6.0
140-160	1.2	2.2	1.1	.2								4.7	7.6	7.0
(S) 170-190	1.8	3.9	1.1	.4								7.1	7.3	6.5
200-220	1.8	3.2	.8									5.8	6.4	6.0
230-250	2.4	4.2	1.1	.5	.1							8.2	7.1	6.0
(W) 260-280	2.4	4.8	1.2	.6	.1							9.1	7.3	6.0
290-310	2.2	5.7	1.1	.8								9.8	7.3	6.0
320-340	2.2	3.5	1.4	.1								7.3	6.7	6.0

.....  
 VARIABLE  
 .....  
 CALM // 8.6 //  
 TOTALS 22.5 52.7 12.9 3.1 .3 100.0 6.3 6.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 949  
 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: FEB HOURS: 03-05

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 6E 65 TOTAL MEAN MEDIAN  
 (DEGREES) % WIND WIND

(N) 350-010 3.5 9.5 2.4 .4 15.8 6.9 6.0

020-040 3.1 4.4 .8 .1 8.4 5.8 5.0

050-070 1.6 3.5 .7 5.9 6.1 6.0

(E) 080-100 1.8 2.0 .1 .1 4.0 5.3 5.0

110-130 1.3 1.6 .5 3.4 5.9 5.0

140-160 1.6 2.2 .9 .1 4.9 7.0 7.0

(S) 170-190 2.8 2.9 1.4 1.2 .1 8.5 8.0 6.5

200-220 .9 3.4 .2 4.6 6.9 7.0

230-250 1.4 4.1 .7 .1 6.4 6.2 6.0

(M) 260-280 2.1 4.2 1.4 .5 .1 .1 8.5 7.8 6.0

290-310 1.8 4.4 1.9 .5 8.5 7.8 6.0

320-340 1.9 5.7 2.9 .2 10.7 7.7 7.0

VARIABLE

CALM // 10.5 //

TOTALS 23.8 47.9 13.9 3.2 .2 .1 100.0 6.3 6.0

TOTAL NUMBER OF OBSERVATIONS 849

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI ID UIC: + 5 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
(N) 350-010	3.8	10.7	3.4	.2								18.1	7.1	6.0
020-040	2.9	5.5	1.1	.1								9.7	6.0	5.0
050-070	3.9	3.2	.2	.1								7.4	5.3	4.0
(E) 080-100	.9	2.5										3.4	5.3	5.0
110-130	.9	1.9		.1								2.9	5.6	5.0
140-160	.2	2.1	.9	.2								3.5	8.4	7.5
(S) 170-190	1.4	4.0	2.4	.7								8.5	8.3	7.0
200-220	1.4	2.5	.7									4.6	6.4	6.0
230-250	1.5	3.3	.6									5.4	6.0	5.0
(W) 260-280	1.3	2.5	1.6	.6								6.0	8.1	6.0
290-310	2.5	3.7	2.9	.2								9.3	7.5	6.0
320-340	1.6	6.1	2.7	.4								10.8	7.9	7.0

..... VARIABLE .....  
 CALM // 10.2 //  
 TOTALS 22.3 48.0 16.5 2.6 100.0 6.3 6.0

..... TOTAL NUMBER OF OBSERVATIONS 849 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: FEB HOURS: 09-11

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.2	8.4	5.7	.8								16.0	9.0	9.0
020-040	1.1	5.5	3.1									9.7	8.0	8.0
050-070	1.1	4.8	2.0	.2	.1							8.2	8.1	8.0
(E) 080-100	1.2	3.8	1.8	.1								6.8	7.9	7.0
110-130	.8	3.5	1.8	.4	.2							6.7	8.8	8.0
140-160	.7	2.4	2.7	1.1								6.8	10.3	10.5
(S) 170-190	.8	1.8	3.3	2.6	.4							8.8	11.8	12.0
200-220	.7	1.5	1.4	.6	.1							4.4	9.6	9.0
230-250	1.1	2.2	.7	.2								4.2	7.4	7.0
(W) 260-280	.6	1.8	1.8	1.4	.5							6.0	11.5	11.0
290-310	1.4	5.5	3.5	1.5								12.0	9.3	8.0
320-340	.5	4.9	3.7	.8								9.9	9.4	9.0

VARIABLE

CALM // .4 //

TOTALS 11.2 46.1 31.5 9.7 1.3 100.0 9.2 9.0

TOTAL NUMBER OF OBSERVATIONS 849

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES) WIND SPEED IN KNOTS TOTAL MEAN WIND SPEED

	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 SPEED
(M) 350-010	.7	3.9	3.2	.7	.1							8.6	9.5
020-040	.7	2.9	2.7	.8								7.2	9.6
050-070	.1	2.2	3.2	.9	.1							6.6	10.7
(E) 080-100	.2	3.3	5.7	1.3								10.5	10.8
110-130	.2	2.6	2.5	.6								5.9	9.8
140-160	.1	1.8	.9	.8								3.7	10.5
(S) 170-190	.2	2.4	3.5	1.1	.2							7.4	10.8
200-220	.1	3.1	3.2	.9	.1							7.4	10.6
230-250	.1	3.4	3.7	1.3	.2							8.7	11.0
(W) 260-280	.2	3.2	5.2	2.4	.5	.2						11.7	12.1
290-310	1.3	7.1	4.0	1.3	.5							14.1	9.4
320-340	.2	5.2	2.5									7.9	8.3

VARIABLE .....  
 CALM // .4 //  
 TOTALS 4.1 41.1 40.3 12.1 1.7 .2 100.0 10.3 10.0

TOTAL NUMBER OF OBSERVATIONS 849



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND SPEED	MEDIAN WIND SPEED	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.6	3.5	2.4	.5								6.9	8.6	8.0
020-040	.7	5.4	5.2	.6								11.9	9.3	9.0
050-070	.2	10.4	3.4	.1								14.1	8.2	8.0
(E) 080-100	.6	8.7	3.8	.1	.1							13.3	8.4	8.0
110-130	.5	3.5	2.4									6.4	8.6	8.0
140-160	.4	1.3	.9	.1								2.7	8.9	9.0
(S) 170-190	.7	2.1	.8	.5								4.1	8.7	9.0
200-220	.5	4.0	.6	.2								5.3	7.4	7.0
230-250	.5	5.5	2.2	1.1	.1							9.4	9.1	8.0
(N) 260-280	.8	5.2	4.7	1.4	.1							12.2	9.7	10.0
290-310	1.6	4.5	1.5	.1								7.8	7.2	6.5
320-340	.9	3.2	.9	.2								5.3	7.3	7.0

..... VARIABLE .....  
 CALM // .5 //  
 TOTALS 8.0 57.3 28.8 4.9 .3 100.0 8.5 8.0

..... TOTAL NUMBER OF OBSERVATIONS 849 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: FEB HOURS: 21-23

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 SPEED %
(M) 020-040	2.4	10.5	.7	.1								13.7 6.5 6.0
050-070	1.8	7.2	.7	.1								9.8 6.3 6.0
(E) 080-100	2.4	5.9			.1							8.4 5.9 6.0
110-130	1.2	5.3	1.3		.1							7.9 7.2 7.0
140-160	1.1	2.5	.8	.6								5.2 7.9 7.0
(S) 170-190	.7	3.2	.2									4.1 6.4 6.0
200-220	.7	3.4	.8	.7	.1							5.8 8.5 7.0
230-250	1.6	5.7	1.4	.7								9.4 7.6 7.0
(W) 260-280	1.4	7.2	2.0	.4								11.0 7.8 8.0
290-310	.7	4.1	1.5									6.4 7.4 7.0
320-340	.6	2.5	.8	.1								4.0 7.1 6.0

VARIABLE .....  
 CALM // 2.5 //  
 TOTALS 16.8 63.5 14.1 2.8 .3 100.0 7.0 7.0

TOTAL NUMBER OF OBSERVATIONS 849

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

STATION NUMBER: 722050 STATION NAME: OKLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: FEB HOURS: ALL

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 40-49 50-64 GE 65 TOTAL MEAN MEDIAN  
 (DEGREES) WIND SPEED IN KNOTS

(N) 350-010 1.8 6.7 3.5 .5 .0  
 12.5 8.1 8.0

020-040 1.7 5.3 2.1 .3  
 9.4 7.4 7.0

050-070 1.4 4.9 1.6 .3 .0  
 8.3 7.6 7.0

(E) 080-100 1.0 4.0 1.9 .4 .0  
 7.3 8.2 7.0

110-130 .8 3.1 1.5 .2 .1  
 5.6 8.1 7.0

140-160 .7 2.1 1.4 .6  
 4.8 9.1 9.0

(S) 170-190 1.1 2.8 2.1 1.1 .1  
 7.3 9.5 9.0

200-220 .8 2.9 1.2 .5 .1 .0  
 5.6 8.6 8.0

230-250 1.1 3.9 1.6 .6 .1  
 7.4 8.4 7.0

(W) 260-280 1.1 4.0 2.5 1.2 .3 .0  
 9.1 9.6 8.0

290-310 1.5 5.1 2.5 .8 .1  
 10.2 8.5 8.0

320-340 1.0 4.7 2.4 .3  
 8.4 8.1 8.0

.....  
 VARIABLE .....

CALM // 4.1 //

TOTALS 14.0 49.5 24.6 6.8 .8  
 100.0 8.0 8.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 6792  
 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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

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	MEDIAN
(M) 350-010	1.2	9.3	8.8	1.9								21.1	9.5	10.0
020-040	.7	7.6	4.8	.6								13.8	8.9	8.0
050-070	.9	3.7	1.3	.4								6.3	8.3	8.0
(E) 080-100	.7	1.5	.1	.3	.3							2.9	8.3	5.5
110-130	.4	1.2	.6									2.2	7.7	7.0
140-160	.9	2.2	1.6	.9								5.6	9.3	8.5
(S) 170-190	1.2	2.8	5.3	2.3								11.7	10.6	11.0
200-220	.3	3.4	2.1	.7	.1							6.6	9.8	9.0
230-250	1.0	3.8	1.9	.6	.3							7.6	8.9	8.0
(W) 260-280	1.2	1.9	.9	.7								4.7	8.5	8.0
290-310	1.9	3.2	1.0	.3								6.5	7.0	6.0
320-340	1.0	4.1	3.7	.3								9.1	8.6	8.0

% WIND

VARIABLE

CALM

TOTALS

TOTAL NUMBER OF OBSERVATIONS 681

OPERATING LOCATION "A"  
 USAFETAG, ASHEVILLE NC

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

STATION NUMBER: 722050 STATION NAME: UNLANOU IAP FLJ-KIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAR 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	1.3	5.9	.9									8.3	6.2	6.0
020-040	1.9	5.9	.4									8.3	5.7	5.0
050-070	2.9	4.5	.3	.1								8.0	5.5	5.0
(E) 080-100	1.5	3.9	.8									6.1	6.0	6.0
110-130	1.2	4.6	1.1	.2								7.1	6.9	6.0
140-160	2.4	4.0	2.0	.2								9.2	7.2	7.0
(S) 170-190	1.7	4.3	2.2	.6								8.8	8.1	7.0
200-220	1.6	3.1	.8	.3	.1							5.9	7.3	6.0
230-250	2.0	2.1	1.1	.3	.2							8.7	7.2	6.0
(W) 260-280	1.3	5.7	.6	.2	.2							8.1	6.9	6.0
290-310	2.7	4.2	1.6	.6								8.6	7.4	6.0
320-340	1.5	2.7	1.2	.2	.1							5.8	7.6	7.5
VARIABLE	.....													
CALM	//////////////////// 7.1 //													
TOTALS	22.1	54.3	13.0	2.7	.5							100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAR HOURS: 03-05

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 3.2 7.7 .5  
 020-040 2.4 5.5 .3 8.2 5.5 5.0

050-070 1.3 3.1 .4 5.5 5.4 5.0

(E) 080-100 1.2 2.7 .4 .1 4.4 6.1 6.0

110-130 1.0 4.1 1.1 6.1 6.9 6.0

140-160 1.0 2.4 2.4 .2 6.8 7.8 8.0

(S) 170-190 2.4 5.7 2.3 .5 .2 11.1 7.6 6.0

200-220 2.3 2.3 1.0 .1 5.6 6.4 5.5

230-250 1.7 3.3 1.5 .3 6.9 7.3 6.0

(W) 260-280 1.9 4.4 .9 .5 .1 7.8 7.3 6.0

290-310 1.9 3.5 1.0 .4 6.9 7.1 6.0

320-340 1.6 4.9 2.0 .1 8.7 7.5 7.0

VARIABLE  
 CALM // 10.5 //  
 TOTALS 23.3 49.6 13.8 2.2 .3 100.0 6.1 6.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.1	8.7	1.0									12.8	6.1	6.0
020-040	2.3	6.0	.1									8.9	5.5	5.0
050-070	1.9	4.6	1.1	.2								7.8	6.4	6.0
(E) 080-100	1.3	2.8	.2	.1								4.4	6.1	6.0
110-130	1.2	3.9	.6	.1								5.8	6.8	7.0
140-160	.6	4.2	1.7	.3								6.9	8.0	7.0
(S) 170-190	2.3	4.6	3.3	.2	.1							11.1	8.5	8.0
200-220	1.4	1.8	1.8	.2	.1							5.4	8.1	8.0
230-250	2.2	2.4	.9	.3								5.7	6.7	6.0
(W) 260-280	1.0	2.8	.9	1.0								5.6	8.4	6.5
290-310	1.7	3.1	2.2	.9								7.8	8.6	8.0
320-340	2.3	5.2	2.0	.3								10.2	7.2	7.0

VARIABLE .....

CALM // 7.5 //

TOTALS 21.8 50.5 15.8 4.2 .2 100.0 6.6 6.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 MONTH: MAR HOURS: 09-11

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	4.5	4.1									9.1	8.9	8.0
020-040	.5	6.1	1.9									8.6	8.0	8.0
050-070	.9	3.8	3.0	1.2								8.8	9.6	9.0
(E) 090-100	.1	2.8	2.8	1.0								6.7	10.1	10.0
110-130	.8	3.8	3.1	.9								8.5	9.3	9.0
140-160	.5	2.9	4.4	2.3	.1							10.2	11.2	11.0
(S) 170-190	.2	3.8	3.1	2.3	.3							9.7	11.1	10.0
200-220	.8	1.7	2.4	.8	.4							6.0	10.9	10.0
230-250	.4	2.2	1.9	1.1	.2							5.8	10.5	10.0
(W) 260-280	.6	1.5	1.9	1.7	.2							6.0	11.3	11.0
290-310	.5	3.7	3.8	2.0	.3							10.3	11.0	11.0
320-340	.5	4.3	4.2	.8								9.8	9.3	10.0

..... VARIABLE .....  
 CALM // .4 //  
 TOTALS 6.3 41.1 36.6 14.1 1.5 100.0 10.0 10.0

..... TOTAL NUMBER OF OBSERVATIONS 930 .....



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAR 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	.2	3.1	2.0									5.4	8.7	8.0
020-040	.1	2.5	1.6	.4								4.6	9.5	9.0
050-070	.8	4.0	3.7	1.6								10.0	10.2	10.0
(E) 080-100	.5	2.8	3.9	1.2	.1							8.5	10.7	11.0
110-130	.3	3.7	4.9	1.1	.1							10.1	10.4	10.0
140-160	.2	1.6	3.8	1.9								7.5	11.7	12.0
(S) 170-190	.6	2.7	3.7	2.2	.4							9.6	11.6	12.0
200-220		1.6	3.2	.9	.2							5.9	11.9	12.0
230-250	.8	3.0	3.4	1.4	.9	.1						9.9	11.6	11.5
(W) 260-280	.2	2.5	2.9	2.9	1.3	.2						10.0	13.4	13.0
290-310	.3	4.7	3.3	2.2	.3	.1						11.0	11.2	10.0
320-340	.3	4.0	2.7	.2								7.2	8.9	8.0

VARIABLE

CALM // .3 //

TOTALS 4.3 36.2 39.5 16.0 3.3 .4 100.0 10.9 10.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.1	1.8	1.1	.1								3.1	8.6	8.0
020-040	.2	2.2	2.0	.1								4.5	9.1	9.0
050-070	.3	3.7	5.6	1.8								11.4	10.6	10.0
(E) 080-100	.4	2.9	5.8	1.6	.1	.1						11.2	11.5	12.0
110-130	.5	2.0	5.5	1.3								9.4	10.7	11.0
140-160	.4	2.0	2.3	.6								5.4	10.1	10.0
(S) 170-190		3.0	4.7	1.0	.3							9.0	11.1	10.0
200-220	.2	3.2	2.5	1.3	.5							7.7	11.2	10.0
230-250	.2	2.3	4.3	1.7	1.0	.1						9.6	12.8	12.0
(W) 260-280	.2	3.2	4.1	3.2	1.0	.3	.1					12.2	13.1	13.0
290-310	.5	5.3	4.5	1.7	.3	.2						12.6	10.5	10.0
320-340	.1	2.6	1.0	.2								3.9	8.7	8.0

.....  
 VARIABLE .....  
 CALM // .1 //  
 TOTALS 3.1 34.2 43.4 14.8 3.2 .7 .1 100.0 11.1 10.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 930  
 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAR HOURS: 16-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.5	2.3	.8	.1								3.7	7.7	7.5
020-040	.2	2.7	2.2	.3								5.4	9.4	9.0
050-070	.5	9.0	5.8	.2								15.6	8.7	8.0
(E) 080-100	.2	9.9	6.1	.3								16.5	8.9	8.0
110-130	.2	5.9	6.5	.3								12.9	9.7	10.0
140-160	.1	2.5	1.6	.1								4.4	8.8	9.0
(S) 170-190	.4	2.0	1.6	.5								4.6	9.2	9.0
200-220	.1	2.0	1.8	.6								4.6	10.4	10.0
230-250	.1	4.7	3.9	.3	.1							9.1	9.5	9.0
(W) 260-280	.5	3.4	5.4	2.7	.3							12.4	11.4	11.0
290-310	.3	3.8	1.7	1.3	.2	.1						7.4	10.1	8.0
320-340	.5	1.8	.8									3.1	6.9	7.0

..... VARIABLE .....  
 CALM // .3 //

TOTALS 3.6 50.0 38.2 6.7 .6 .1 100.0 9.4 9.0

..... TOTAL NUMBER OF OBSERVATIONS 930 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65	
(N) 350-010	1.5	4.0	.9										6.3	6.7	6.0
020-040	1.2	8.9	1.0										11.1	6.4	6.0
050-070	1.6	2.8	.4	.1									11.9	6.1	6.0
(E) 080-100	1.0	7.1	.9	.2									9.1	6.7	6.0
110-130	.8	10.6	1.7	.1									13.2	7.3	7.0
140-160	.8	3.9	1.6	.1	.1								6.5	8.5	8.0
(S) 170-190	.8	4.7	1.5	.4	.1								7.5	8.3	7.5
200-220	.5	2.8	1.3	.1									4.7	8.1	8.0
230-250	.6	7.6	.4	.3									9.0	7.1	7.0
(W) 260-280	.6	4.7	3.0	.1									8.5	8.7	8.0
290-310	.6	5.2	2.0	.5	.3								8.7	8.9	8.0
320-340	.8	1.0	.4	.1									2.3	7.2	5.0

..... VARIABLE .....  
 CALM // 1.1 //  
 TOTALS 10.8 70.3 15.1 2.0 .5 100.0 7.3 7.0

..... TOTAL NUMBER OF OBSERVATIONS 930 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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 6E 65 TOTAL MEAN MEDIAN  
 (DEGREES)

(N) 350-010 1.4 4.7 1.4 .0 7.5 7.1 7.0

020-040 1.2 5.0 1.2 .1 7.4 7.0 6.0

050-070 1.4 5.3 2.5 .7 9.9 8.1 7.0

(E) 080-100 .8 4.3 2.6 .6 .0 8.4 8.7 8.0

110-130 .7 4.8 3.1 .5 .0 9.1 8.7 8.0

140-160 .9 3.0 2.5 .7 .0 7.1 9.2 9.0

(S) 170-190 1.0 3.9 2.8 1.0 .2 8.9 9.4 9.0

200-220 .9 2.3 1.8 .5 .2 5.7 9.4 9.0

230-250 1.0 3.8 2.2 .7 .3 .0 8.1 9.3 8.0

(W) 260-280 .8 3.5 2.5 1.5 .4 .1 .0 8.8 10.4 10.0

290-310 1.0 4.2 2.5 1.2 .2 .1 9.2 9.6 8.0

320-340 1.0 3.4 1.8 .2 .0 6.4 8.0 8.0

.....  
 VARIABLE .....

CALM // 3.4 //

TOTALS 12.1 48.2 26.9 7.7 1.3 .2 100.0 8.5 8.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 7440 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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 WIND SPEED IN KNOTS TOTAL MEAN MEDIAN  
 (DEGREES) WIND WIND  
 (N) 350-010 1.2 5.8 1.2 8.2 7.2 7.0

020-040 .6 2.8 .6 4.0 7.1 7.0

050-070 1.2 3.8 3.0 .8 8.8 9.1 9.0

(E) 080-100 .6 2.4 .3 1.4 5.2 9.8 9.0

110-130 .6 2.4 1.6 .2 4.8 8.8 8.5

140-160 .8 3.4 4.2 .4 8.8 9.5 10.0

(S) 170-190 .8 5.6 9.6 2.6 18.6 10.9 10.0

200-220 3.0 2.6 .6 .2 6.6 10.3 10.0

230-250 .5 4.0 2.6 1.0 .4 8.6 9.8 9.0

(W) 260-280 .4 3.2 1.6 1.0 .6 6.8 10.2 9.0

290-310 .8 4.8 3.2 .8 .2 9.8 9.3 9.0

320-340 .2 4.4 2.6 .4 7.6 8.6 8.0

VARIABLE

CALM // 2.0 //

TOTALS 7.8 45.6 33.8 9.0 1.4 .2 100.0 9.3 9.0

TOTAL NUMBER OF OBSERVATIONS 499

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: APR 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	1.9	3.2	.7									5.8	5.8	5.0
020-040	2.7	4.4	.4									7.6	5.6	5.0
050-070	2.6	4.1	.4									7.1	5.5	5.0
(E) 080-100	2.1	3.9	.1	.1								6.2	5.4	5.0
110-130	7.9	5.1	.7	.1								8.8	5.9	5.0
140-160	2.0	4.4	1.0	.2								7.7	6.8	7.0
(S) 170-190	2.1	5.4	.8									8.3	6.1	6.0
200-220	1.8	5.7	.7									8.1	6.1	6.0
230-250	2.7	8.1	.8									11.6	6.1	6.0
(W) 260-280	2.1	7.0	.7	.2								10.0	6.4	6.0
290-310	2.3	4.9	.9	.3								8.4	6.5	6.0
320-340	1.2	2.2	.4									3.9	6.3	6.0

..... VARIABLE .....

CALM // 6.6 //

TOTALS 26.4 58.4 7.6 .9 100.0 5.7 6.0

..... 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: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: APR 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 SPEED % WIND WIND

(N) 350-010 2.4 5.1 .3 .2 2.4 4.2 .4 4.3 3.9 .1 3.0 2.3 2.2 2.3 .3 1.7 4.3 .3 .1 1.9 3.4 .1 .2 2.3 5.7 1.3 .1 2.3 3.9 .4 2.8 6.0 .9 1.7 4.9 .6 2.1 5.8 .1 .1 1.9 5.0 .6

020-040 4.3 4.2 .4 4.3 3.9 .1 3.0 2.3 2.2 2.3 .3 1.7 4.3 .3 .1 1.9 3.4 .1 .2 2.3 5.7 1.3 .1 2.3 3.9 .4 2.8 6.0 .9 1.7 4.9 .6 2.1 5.8 .1 .1 1.9 5.0 .6

(E) 080-100 2.2 2.3 .3 1.7 4.3 .3 .1 1.9 3.4 .1 .2 2.3 5.7 1.3 .1 2.3 3.9 .4 2.8 6.0 .9 1.7 4.9 .6 2.1 5.8 .1 .1 1.9 5.0 .6

110-130 1.7 4.3 .3 .1 1.9 3.4 .1 .2 2.3 5.7 1.3 .1 2.3 3.9 .4 2.8 6.0 .9 1.7 4.9 .6 2.1 5.8 .1 .1 1.9 5.0 .6

140-160 1.9 3.4 .1 .2 2.3 5.7 1.3 .1 2.3 3.9 .4 2.8 6.0 .9 1.7 4.9 .6 2.1 5.8 .1 .1 1.9 5.0 .6

(S) 170-190 2.3 5.7 1.3 .1 2.3 3.9 .4 2.8 6.0 .9 1.7 4.9 .6 2.1 5.8 .1 .1 1.9 5.0 .6

200-220 2.3 3.9 .4 2.8 6.0 .9 1.7 4.9 .6 2.1 5.8 .1 .1 1.9 5.0 .6

230-250 2.8 6.0 .9 1.7 4.9 .6 2.1 5.8 .1 .1 1.9 5.0 .6

(W) 260-280 1.7 4.9 .6 2.1 5.8 .1 .1 1.9 5.0 .6

290-310 2.1 5.8 .1 .1 1.9 5.0 .6

320-340 1.9 5.0 .6

VARIABLE .....  
 CALM // 10.4 //  
 TOTALS 28.6 54.5 5.6 .5 100.0 5.3 5.5

TOTAL NUMBER OF OBSERVATIONS 900



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: APR 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 50-54 GE 65 TOTAL MEAN MEDIAN  
 % WIND WIND WIND

(N) 350-010 2.7 7.9 .9 .1 11.6 6.5 6.0

020-040 2.1 4.6 .4 7.1 5.9 5.0

050-070 2.0 5.9 .2 8.1 5.7 6.0

(E) 080-100 1.8 2.9 .4 5.1 5.5 5.0

110-130 1.7 4.2 .6 .1 6.6 6.2 6.0

140-160 1.9 2.9 1.3 .1 6.2 7.0 7.0

(S) 170-190 1.8 5.3 1.6 .4 9.1 7.3 6.5

200-220 1.2 4.8 1.4 7.4 6.7 6.0

230-250 1.8 5.0 1.3 8.1 6.6 6.0

(W) 260-280 1.9 4.3 .3 .1 6.7 6.1 6.0

290-310 1.4 4.9 1.2 7.6 7.1 7.5

320-340 2.1 5.3 .9 .1 8.4 6.5 6.0

VARIABLE

CALM // 8.0 //

TOTALS 22.4 58.0 10.1 1.3 100.0 6.0 6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION: WAM PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC, ASHEVILLE NC FROM DAILY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: OKLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS					TOTAL %	MEAN WIND	MEDIAN WIND						
	1-4	5-9	10-14	15-19	20-24				25-29	30-34	35-39	40-49	50-64	65
(N) 350-010	.4	1.6	1.2									3.4	7.6	8.0
020-040	.4	2.1	2.2	.3	.2							5.3	10.1	10.0
050-070	.6	1.9	3.9	.6								6.8	10.3	11.0
(E) 080-100	.4	3.2	3.2	.9								7.8	10.2	10.0
110-130	.2	3.8	5.0	1.8								10.8	10.9	11.0
140-160	.6	3.4	3.9	.9								8.8	10.0	10.0
(S) 170-190	.2	3.9	4.0	1.0	.2							9.3	10.4	10.0
200-220	.1	2.7	2.7	2.3	.1							7.9	11.5	12.0
230-250	.3	2.4	3.2	2.3	.1	.3						9.4	12.1	12.0
(W) 260-280	.3	3.0	5.2	1.8	.2							10.6	11.5	12.0
290-310	.2	5.0	4.6	1.1	.3							11.2	10.1	10.0
320-340	.4	5.0	2.0	.3								8.3	8.5	8.0

..... VARIABLE .....  
 CALM // .3 //  
 TOTALS 4.1 32.1 42.4 13.3 1.1 .3 100.0 10.4 10.0  
 TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION: WAW  
 USARPAC, ANCHORAGE, ALASKA  
 PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 BY MONTHLY OBSERVATIONS

STATION NUMBER: 70000 STATION NAME: GULFPORT FL-102 PERIOD OF RECORD: NOV 78 - OCT 88  
 USARPAC, ANCHORAGE, ALASKA MONTH: APR 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
(N) 350-010	0	1.0	0	0	0	0	0	0	0	0	0	2.0	6.7	7.0
020-040	0	0	1.0	0	0	0	0	0	0	0	0	6.1	8.3	8.0
050-070	0	0	7.1	0	0	0	0	0	0	0	0	12.6	9.2	9.0
(E) 08-100	0	0	11.0	7.7	0	0	0	0	0	0	0	19.4	9.1	9.0
110-130	0	0	7.7	0	0	0	0	0	0	0	0	14.0	9.2	9.0
140-160	0	0	0	1.0	0	0	0	0	0	0	0	4.0	7.8	8.0
(S) 170-190	0	0	0	0	0	0	0	0	0	0	0	3.3	8.1	8.0
200-220	0	0	0	0	0	0	0	0	0	0	0	3.3	9.1	8.0
230-250	0	0	0	0	0	0	0	0	0	0	0	12.9	10.1	10.0
(W) 250-280	0	0	0	0	0	0	0	0	0	0	0	13.3	10.7	10.5
290-310	0	0	0	0	0	0	0	0	0	0	0	6.0	8.6	8.5
320-340	0	0	0	0	0	0	0	0	0	0	0	2.8	7.0	7.0

.....  
 VARIOUS  
 CALM // .2 //  
 TOTALS 1.3 6.6 34.3 3.7 0.0 100.0 9.2 9.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 300  
 .....

OPERATING LOCATION: WAW  
 USAFETAC, ASHVILLE, NC

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

DIRECTION (DEGREES)	PERIOD OF RECORD: NOV 78 - OCT 88										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	1.6	3.4	.3	.1							4.4	6.1	6.0
070-040	1.6	6.3	.3	.1							8.3	6.3	6.0
050-070	3.7	7.0	.2								11.8	5.8	6.0
(E) 090-100	1.1	10.1	.3								11.6	6.2	6.0
110-130	2.3	10.4	1.6	.1							14.4	7.0	7.0
140-150	1.1	5.2	1.3								7.7	7.0	6.0
(S) 170-190	1.1	3.0	.3								4.8	6.1	6.0
200-220	.6	3.2	1.3	.1							5.2	7.6	7.0
230-250	.3	6.1	2.3	.1							10.9	7.6	8.0
(W) 260-290	.8	7.8	3.1	.2							11.9	8.0	8.0
290-310	.4	2.3	1.0	.2	.1						5.7	8.2	8.0
320-340	.2	.9	.3	.1							1.9	6.5	6.0

.....  
 VARIABLE .....  
 CALM // 1.4 //  
 TOTALS 10.2 40.2 12.7 1.0 .1 100.0 6.8 6.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 900  
 .....

OPERATING LOCATION: WSW  
 USAFETAC, ASHEVILLE, NC

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

STATION NUMBER: 72060      STATION NAME: OKLANOG IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      MONTH: APR      HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL	MEAN	MEDIAN	
	0-5	6-10	11-15	16-19	20-24	25-29	30-34	35-39	40-49	50-64	65	% WIND				
(N) 350-010	1.2	3.3	1.0	.1									5.6	6.9	6.0	
020-040	1.5	3.2	1.1	.2	.6								6.7	7.1	6.0	
050-070	1.6	4.5	2.3	.3									8.8	7.7	7.0	
(E) 080-100	1.1	5.1	2.7	.4									9.4	8.3	8.0	
110-130	1.3	5.5	3.0	.5									10.3	8.3	8.0	
140-160	1.1	3.4	2.0	.4	.8								6.9	8.3	8.0	
(S) 170-190	1.2	4.2	1.8	.6	.1								7.7	8.4	8.0	
200-220	.9	3.5	1.5	.7	.6								6.6	8.4	7.0	
230-250	1.2	5.2	3.0	.8	.1	.1							10.4	8.9	8.0	
(W) 260-280	1.2	4.3	3.2	.9	.2								10.1	9.2	8.0	
290-310	1.0	4.7	2.2	.5	.1								8.5	8.4	8.0	
320-340	.9	3.5	1.2	.1	.0								5.7	7.4	7.0	

..... VARIABLE .....

CALM      //      3.4      //  
 TOTALS      13.3      51.5      25.2      5.5      .5      .1      100.0      7.9      8.0

..... TOTAL NUMBER OF OBSERVATIONS 7200 .....



OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FKJM MONTHLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: MAY 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 MEDIAN  
WIND SPEED IN KNOTS % WIND WIND

(N) 350-010 1.7 4.5 .8 7.0 6.3 6.0

020-040 3.5 5.7 .2 9.5 5.2 5.0

050-070 3.5 7.5 .1 11.2 5.2 5.0

(E) 080-100 3.0 7.5 .3 10.9 5.4 5.0

110-130 4.6 5.5 .3 10.4 5.1 5.0

140-160 3.1 5.5 .3 10.8 6.0 6.0

(S) 170-190 3.1 7.4 .2 10.8 5.7 6.0

200-220 1.2 2.3 7.5 5.3 5.0

230-250 2.3 5.2 .1 6.1 6.0 5.0

(W) 260-280 1.6 4.3 .1 2.4 5.8 6.0

290-310 .8 1.4 .2 3.2 6.0 6.0

320-340 .4 2.4 .1

VARIABLE

CALC // 6.9 //

TOTALS 29.2 60.5 3.3 .1 100.0 5.2 5.0

TOTAL NUMBER OF OBSERVATIONS 750

OPERATING LOCATION: "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722053      STATION NAME: ORLANDO TAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      MONTH: MAY      HOURS: 03-05

WIND SPEED IN KNOTS  
 (DEGREES)

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 WIND	MEDIAN WIND
(N)	350-010	323	7.0	5.5	3.2	7.0	5.5	10.9	5.8	5.0	10.8	4.7	5.0	5.0
020-040	5.1	6.2	.1	.1				11.5	4.9	5.0				
050-070	5.2	5.5						10.8	4.7	5.0				
(E) 090-100	2.7	4.5	.1					7.3	5.2	5.0				
110-130	3.9	4.0	.2					9.1	5.0	5.0				
140-160	1.9	3.4	.5					6.3	5.7	5.0				
(S) 170-190	3.5	4.2	.6					9.0	5.8	5.0				
200-220	1.2	3.2						5.1	5.3	5.0				
230-250	2.2	3.1	.1					5.4	5.3	5.0				
(W) 260-280	1.3	3.0						4.9	5.3	5.0				
290-310	.5	2.5	.2					3.4	6.3	6.0				
320-340	1.3	1.9	.1					3.2	5.4	5.0				

VARIABLE .....  
 CALM /// 14.1 ///  
 TOTALS 33.4 47.5 2.0 .1 100.0 4.6 5.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: MAY HOURS: 06-08

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 6E 65 TOTAL MEAN MEDIAN  
(DEGREES) WIND SPEED IN KNOTS % WIND WIND

(N) 350-010 3.1 5.6 1.1 9.8 6.4 6.0

020-040 3.0 6.8 .4 10.2 5.8 5.0

050-070 4.1 10.2 .5 14.8 5.7 5.0

(E) 090-100 2.7 6.3 .3 9.4 5.6 6.0

110-130 2.5 6.3 .2 9.6 5.9 5.0

140-160 1.2 5.2 1.0 7.3 6.7 6.0

(S) 170-190 2.8 4.5 1.5 9.1 6.6 6.0

200-220 1.1 3.3 .4 4.8 6.2 6.0

230-250 2.2 3.4 .1 5.9 5.9 5.0

(W) 260-280 .9 2.8 .4 5.1 6.7 7.0

290-310 .8 2.0 .4 4.1 6.6 6.0

320-340 1.3 1.6 .2 3.2 5.6 5.0

VARIABLE

CALM // 6.7 //

TOTALS 25.7 60.2 7.2 .2 100.0 5.7 6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      HOURS: MAY      MONTH: MAY      HOURS: 12-14

DIRECTION (DEGREES)	1-4	5-7	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	2.0	1.5	.2								5.1	8.5	8.0
020-040	.2	2.0	3.0	.6								6.0	10.2	10.0
050-070	.5	5.7	6.0	1.3								13.5	10.0	10.0
(E) 080-120	.9	5.2	3.3	.6								14.9	9.9	10.0
110-130	.5	5.4	4.7	.3								11.1	8.9	9.0
140-160	.2	2.9	2.8	.1								9.5	8.2	8.0
(S) 170-190	.2	4.4	3.7	.1								8.4	9.5	9.0
200-220	.2	3.9	3.0	.8								7.8	9.7	9.0
230-250	.5	2.7	2.4	.9	.2							6.9	10.0	10.0
(W) 260-280	.2	3.3	1.6	.5	.1							6.2	9.1	8.0
290-310	.3	2.8	1.8	.4								5.4	9.1	9.0
320-340	1.2	2.6	1.1									4.8	7.2	7.0

..... VARIABLE .....

CALM // .3 //

TOTALS 5.6 47.9 40.1 5.5 .2 .1 100.0 9.3 9.0

..... TOTAL NUMBER OF OBSERVATIONS 930 .....

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      MONTH: MAY      HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS					TOTAL	MEAN % WIND	MEDIAN WIND										
	1-4	5-9	10-14	15-19	20-24				25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.1	1.1	1.2	.1	.1	2.5	9.9	10.0										
020-040	.3	1.5	3.2	.9	.1	.1	6.5	11.1	10.5									
050-070	.2	3.1	10.9	2.3			16.5	11.3	11.0									
(E) 080-100	.1	5.0	13.1	1.5	.1		21.7	10.8	11.0									
110-130	.3	5.5	7.6	.9	.1		14.4	10.2	10.0									
140-160	.1	3.4	6.7	.4			5.7	9.4	9.0									
(S) 170-190	.1	3.3	1.4	.2			5.6	8.8	9.0									
200-220	.2	2.9	2.9	.5			6.6	9.7	10.0									
230-250	.3	3.2	2.9	1.1	.1		7.6	10.5	10.0									
(W) 260-280	.3	2.0	2.0	1.1	.1	.1	5.7	11.3	12.0									
290-310	.2	2.3	1.7	.7			4.4	9.3	8.0									
320-340	.1	1.4	1.1	.2			2.8	9.5	9.0									

.....  
 VARIABLE  
 CALM // .1 //  
 TOTALS      2.3      35.6      50.2      9.6      .5      .3      100.0      10.4      10.0

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 TOTAL NUMBER OF OBSERVATIONS      930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAY HOURS: 18-20

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.3	1.4	.9	.3								2.9	8.7	8.0
020-040	.2	2.5	3.0	.5								6.2	10.2	10.0
050-070	.5	10.1	9.1	.4								17.2	8.9	8.5
(E) 080-100	.2	14.5	13.1	.4								28.3	9.2	9.0
110-130	.5	9.7	8.4	.1								19.7	9.2	9.0
140-160	.2	2.4	1.4	.2								4.2	8.4	8.0
(S) 170-190	.2	2.4	1.1	.1								3.8	8.7	8.0
200-220	.3	2.4	.4	.2								3.3	8.2	8.0
230-250	.3	4.1	1.9	.3								6.7	8.9	8.0
(W) 260-280	.1	1.9	3.0	.2	.3							5.5	10.8	10.0
290-310	.1	1.0	.9	.1								2.0	9.3	9.0
320-340	.2	.4	.2									.9	7.4	6.5

..... VARIABLE .....  
 CALM // .3 //////////////  
 TOTALS 3.0 52.8 40.4 2.7 .4 100.0 9.1 9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST IUTC: + 5      MONTH: MAY      HOURS: 21-23

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

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	.9	3.4	.5									4.8	6.9	7.0
020-040	1.7	7.7	.4									9.9	6.1	6.0
050-070	2.0	12.4	.3	.1								14.8	6.0	6.0
(E) 090-100	2.2	14.3	.5									17.1	6.2	6.0
110-130	2.0	14.1	1.7									17.8	6.9	7.0
140-160	1.7	2.2	.4									8.4	6.4	6.0
(S) 170-190	1.7	4.1	.5									6.3	6.1	6.0
200-220	.3	2.2										2.5	6.3	6.0
230-250	.5	4.6	.2	.1								5.5	6.8	6.0
(W) 260-280	.8	4.9	.6	.1								6.5	7.1	7.0
290-310	1.2	1.6	.4									3.2	6.3	6.0
320-340	.5	.5										1.3	5.6	5.5

VARIABLE

CALM      //      1.8      //

TOTALS      15.3      75.3      5.2      .2      .1

TOTAL NUMBER OF OBSERVATIONS      930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TULJTC: + 5 MONTHS: MAY 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	1.3	3.5	1.0	.1	.0						6.0	7.0	6.0	
(S)	020-040	1.9	4.5	1.7	.3	.0	.0					8.4	7.2	6.0	
(E)	050-070	2.1	7.4	3.6	.5							13.6	7.8	7.0	
(W)	080-100	1.5	6.1	5.2	.4	.0						15.3	8.3	8.0	
(S)	110-130	1.9	7.5	3.4	.2	.0						13.0	7.7	7.0	
(E)	140-160	1.1	5.2	1.5	.1							8.0	7.4	7.0	
(S)	170-190	1.0	4.5	1.3	.1	.0						8.1	7.5	7.0	
(W)	200-220	.7	3.0	1.1	.2							5.1	7.9	7.0	
(E)	230-250	1.1	3.7	1.2	.3	.1						6.4	7.8	7.0	
(W)	260-280	.0	5.5	1.1	.3	.1	.0					5.6	8.1	7.0	
(S)	290-310	.4	2.4	.5	.1							4.0	7.7	7.0	
(W)	320-340	.7	1.0	.4	.0							3.0	6.8	6.0	

..... VARIABLE .....  
 CALM // 3.8 //  
 TOTALS 15.3 55.1 22.3 2.5 .2 100.0 7.4 7.0  
 TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 72050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

CATEGORY A: CEILING 300 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0600 METERS).

VISIBILITY GE 1/2 MILE (0900 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-54 GE 65 TOTAL MEAN MEDIAN  
(DEGREES) WIND SPEED IN KNOTS % WIND WIND

	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 65	TOTAL	MEAN	MEDIAN
(N) 350-010	1.5	5.4	4.2	.4								11.5	8.9	8.0
020-040		3.0	1.8	.8								6.5	9.1	8.0
050-070		2.1	2.3	.5								6.9	6.4	6.0
(E) 090-100	1.2	1.5	1.5	.4	.4							5.0	9.2	7.0
110-130	1.0	4.2	2.3		.4							8.5	7.5	6.0
140-160	.2	7.3	1.5	.6								10.4	8.0	7.0
(S) 170-190	2.2	7.3	3.1									12.7	7.3	7.0
200-220	.8	5.3	2.3	.4								10.0	7.8	7.5
230-250	1.5	3.2	1.5									6.9	6.7	5.5
(W) 260-280	.8	5.3	.4	.4	.4							7.7	8.0	7.0
290-310	1.2	1.2	.8									3.8	6.6	6.0
320-340	.7	3.5	.4									4.2	7.3	7.0

VARIABLE

CALM // 5.8 //

TOTALS 14.3 54.5 20.7 3.2 .4 .4 100.0 7.3 7.0

TOTAL NUMBER OF OBSERVATIONS 250

OPERATING LOCALITY: WAW SAFETYAC, ASHEVILLE, NC PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM 10 JULY 1958 (NAUTICALS)

STATION NUMBER: 72050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUN HOURS: 00-02

WIND SPEED IN KNOTS  
 (DEGREES)

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 WIND X	MEDIAN WIND
(M) 350-010	2.3	3.2	3.2	0.3								6.4	5.4	5.0
020-040	3.3	5.4	0.2	0.1								9.1	5.3	5.0
050-070	3.0	3.2	0.1									8.9	5.0	5.0
(F) 080-100	2.0	3.0	0.1									5.1	5.1	5.0
110-130	4.7	5.4										10.1	4.8	5.0
140-160	4.1	2.3	0.3									11.2	5.3	5.0
(S) 170-190	4.7	10.0	0.2									14.9	5.4	5.0
200-220	2.4	7.0										9.4	5.7	6.0
230-250	2.2	2.1	0.1									8.8	5.3	5.0
(W) 260-280	1.2	2.2	0.1									3.6	5.5	5.0
290-310	1.3	1.7										3.0	4.9	5.0
320-340	1.0	0.2										1.4	4.2	4.0

.....  
 VARIABLE

CALM // 8.0 //  
 TOTALS 33.4 56.0 1.4 0.1 100.0 4.8 5.0

TOTAL NUMBER OF OBSERVATIONS 900



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65
(N) 350-010	2.0	4.8	.1									6.9	5.4	5.0
020-040	3.9	5.3	.1									9.3	4.9	5.0
050-070	4.3	4.3										8.7	4.6	4.5
(E) 080-100	3.2	2.0										5.2	4.4	4.0
110-130	2.4	3.1										5.6	4.8	5.0
140-160	3.6	3.4	.1	.2								7.3	5.2	5.0
(S) 170-190	5.7	7.4										13.1	4.9	5.0
200-220	3.9	7.4	.6									11.9	5.4	5.0
230-250	4.0	3.8										7.8	4.7	4.0
(W) 260-280	2.2	2.9										5.1	4.9	5.0
290-310	1.9	2.1										4.0	4.8	5.0
320-340	1.4	1.0										2.4	4.5	4.0

VARIABLE  
 CALM // 12.7 //  
 TOTALS 38.5 47.5 .9 .2 100.0 4.3 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: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88

LSI TO UTC: + 5 MONTH: JUN HOURS: 06-08

WIND SPEED IN KNOTS

DIRECTION (DEGREES)

(N) 350-010 1.9 3.9 .3

020-040 3.0 6.8 .6

050-070 2.8 7.1 .7

(E) 080-100 2.9 3.4 .2

110-130 2.0 2.9 .1

140-160 3.0 4.4 .4

(S) 170-190 3.1 8.0 1.1

200-220 2.9 7.3 1.2

230-250 3.4 6.1 .4

(W) 260-280 1.1 3.0 .3

290-310 1.3 2.6 .2

320-340 1.1 1.1

TOTAL 28.4 56.6 5.5

MEAN WIND 5.7

6.1

5.7

5.8

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUN 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 MEDIAN WIND WIND

(M) 350-010 .8 2.6 .4 . . . . . 3.8 6.5 6.0

020-040 1.1 3.7 1.9 . . . . . 6.7 7.3 7.0

050-070 1.2 5.3 3.1 .6 . . . . . 10.2 8.2 7.0

(E) 080-100 1.7 6.2 2.6 .1 . . . . . 10.6 7.5 7.0

110-130 1.1 3.7 1.6 . . . . . 6.3 7.2 7.0

140-160 1.3 5.2 1.2 . . . . . 7.8 7.1 7.0

(S) 170-190 .8 5.7 2.4 .2 . . . . . 9.1 8.0 8.0

200-220 1.4 6.1 3.4 .2 .1 . . . . . 11.3 8.0 8.0

230-250 1.9 8.7 3.3 .2 . . . . . 14.1 7.7 7.0

(N) 260-280 1.4 4.4 2.0 . . . . . 7.9 7.7 8.0

290-310 1.4 5.7 .9 . . . . . 8.0 6.6 7.0

320-340 1.0 2.7 .1 . . . . . 3.8 5.7 6.0

VARIABLE

CALM // .4 //

TOTALS 15.1 60.0 22.9 1.3 .1 100.0 7.5 7.0

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UIC: + 5 MONTH: JUN HOURS: 12-14

.....  
 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 6E 65 TOTAL MEAN MEDIAN  
 (DEGREES) % WIND WIND

	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	6E 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.6	3.9	.7									5.1	6.7	6.0
020-040	.9	3.4	2.0	.3								6.7	8.2	8.0
050-070	1.0	6.9	5.4	1.1								14.4	9.2	9.0
(E) 080-100	1.0	5.1	4.7	.4								11.2	9.0	9.0
110-130	.9	4.2	1.8	.2								7.1	7.8	8.0
140-160	.6	3.9	1.1	.1								5.7	7.6	7.0
(S) 170-190	.3	6.3	2.0	.8								8.7	7.8	8.0
200-220	.7	4.3	3.1	.8								8.9	9.4	9.0
230-250	.7	4.9	4.1	.4								10.1	9.3	9.0
(W) 260-280	.7	3.2	2.0	.2	.1							.1	9.1	8.0
290-310	1.7	6.4	1.1	.7								9.9	7.5	7.0
320-340	1.1	4.0	.4	.1								5.7	6.5	6.0

.....  
 VARIABLE  
 CALM // .2 //  
 TOTALS 10.2 56.5 28.4 4.3 .1 .1 100.0 8.3 8.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 900  
 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUN HOURS: 15-17

WIND SPEED IN KNOTS  
 WIND DIRECTION (DEGREES)

WIND DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	6E 65	TOTAL %	MEAN WIND	MEDIAN WIND
(M) 350-010	1.0	1.6	.7	.2	.1							3.6	7.7	6.5
020-040	.4	2.6	2.3	.8								6.1	10.2	10.0
050-070	.9	4.7	8.3	2.0	.3							16.2	10.8	11.0
(E) 080-100	1.1	6.0	9.2	.7								17.0	9.9	10.0
110-130	.8	6.2	5.2	.2	.1							12.6	9.2	9.0
140-160	.9	3.3	1.4	.3	.1							6.1	8.2	8.0
(S) 170-190	.7	3.8	1.4	.2								6.1	8.4	8.0
200-220	.3	3.0	1.9	.7								5.9	9.2	8.0
230-250	.6	3.6	4.1	.6								8.8	9.6	10.0
(W) 260-280	.3	4.1	2.3	.3								7.1	8.9	8.5
290-310	1.0	3.3	1.6	.2								6.1	7.7	7.0
320-340	.7	2.3	.9	.1								4.0	7.5	7.0

VARIABLE .....  
 CALM ..... .4  
 TOTALS 8.7 44.5 39.3 6.3 .5 .1 100.0 9.3 9.0

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUN HOURS: 18-20

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.8	1.2	.3									2.3	6.5	6.0
020-040	1.1	1.1	1.9	.7	.1							4.9	9.6	10.0
050-070	.8	7.8	5.2	.6								14.3	9.0	9.0
(E) 080-100	.9	11.9	6.7	.1								19.6	8.6	8.5
110-130	1.0	10.1	4.4	.2	.1							15.9	8.3	8.0
140-160	1.0	4.4	1.7	.1	.1							7.3	7.7	7.0
(S) 170-190	.8	6.7	1.2	.1								8.8	7.3	7.0
200-220	.7	4.3	1.6									6.6	7.8	8.0
230-250	.4	3.7	1.8	.6								6.4	8.7	8.0
(W) 260-280	.2	3.9	1.9	.3								6.3	8.8	8.0
290-310	.6	2.7	.7	.1								4.0	7.7	7.0
320-340	1.0	1.2	.2	.1								2.6	6.0	5.0

VARIABLE

CALM // 1.0 //

TOTALS 9.3 59.0 27.6 2.9 .1 .2 100.0 8.2 8.0

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: JUN 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 MEDIAN  
 % WIND WIND

	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
(M) 350-010	1.6	2.3	.2									4.1	5.6	5.0
020-040	1.9	6.1	.7	.1								8.7	6.4	6.0
050-070	2.2	8.0	.4	.1								10.8	5.8	6.0
(E) 080-100	2.4	9.9	.6									12.9	5.8	6.0
110-130	2.8	11.9	.2									14.9	5.9	6.0
140-160	2.3	8.3	.2	.1								11.1	5.8	6.0
(S) 170-190	2.0	7.6	.4	.1								10.1	6.3	6.0
200-220	1.9	5.6	1.0	.1								8.6	6.6	7.0
230-250	1.9	4.3	.3									6.6	5.7	5.0
(W) 260-280	.7	3.8	.6	.1	.1							5.2	7.4	7.0
290-310	1.1	1.4										2.6	5.1	5.0
320-340	.7	.9										1.6	4.7	5.0

VARIABLE .....

CALM // 3.0 //

TOTALS 21.4 70.1 4.7 .6 .1 100.0 5.9 6.0

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65
(N) 350-010	1.4	3.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	4.8	6.0	5.0
020-040	1.9	4.3	1.2	.3	.0	.0	.0	.0	.0	.0	.0	7.7	6.8	6.0
050-070	2.1	6.2	2.9	.5	.0	.0	.0	.0	.0	.0	.0	11.8	7.7	7.0
(E) 080-100	1.9	5.9	3.0	.2	.0	.0	.0	.0	.0	.0	.0	11.0	7.7	7.0
110-130	2.0	5.9	1.7	.1	.0	.0	.0	.0	.0	.0	.0	9.7	7.0	6.0
140-160	2.1	5.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	9.1	6.4	6.0
(S) 170-190	2.3	6.9	1.1	.1	.0	.0	.0	.0	.0	.0	.0	10.4	6.5	6.0
200-220	1.8	5.6	1.6	.2	.0	.0	.0	.0	.0	.0	.0	9.2	7.1	6.0
230-250	1.9	5.1	1.8	.2	.0	.0	.0	.0	.0	.0	.0	9.1	7.2	6.0
(W) 260-280	1.0	3.4	1.2	.1	.0	.0	.0	.0	.0	.0	.0	5.7	7.5	7.0
290-310	1.3	3.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	5.2	6.6	6.0
320-340	1.0	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.8	5.0

..... VARIABLE .....

CALM // 4.3 //

TOTALS 20.7 56.2 16.5 1.9 100.0 6.7 6.0

..... TOTAL NUMBER OF OBSERVATIONS 7200 .....



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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 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  
 WIND SPEED IN KNOTS  
 (DEGREES) % WIND WIND

(N) 350-010 1.2 2.8 1.2 .4 5.5 7.6 6.5

020-040 3.6 4.7 .4 .4 9.1 6.7 5.0

050-070 2.4 3.2 1.2 6.7 6.2 5.0

(E) 080-100 2.4 3.6 1.2 7.1 6.1 5.5

110-130 .8 3.2 1.2 .4 5.5 8.3 8.0

140-160 2.0 4.7 2.4 .8 .4 10.3 8.7 7.0

(S) 170-190 2.4 7.9 2.0 .8 .4 13.4 8.0 6.5

200-220 2.4 10.3 .4 13.0 6.1 6.0

230-250 3.2 4.0 .4 7.5 5.8 6.0

(W) 260-280 .4 3.2 .8 .4 5.1 8.9 8.0

290-310 2.4 4.3 1.2 .4 8.3 6.9 6.0

320-340 1.2 1.6 .8 3.6 7.0 6.0

VARIABLE

CALM // 4.7 //

TOTALS 24.4 53.5 13.2 3.2 .4 .4 100.0 6.8 6.0

TOTAL NUMBER OF OBSERVATIONS 253

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: 4 5 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 MEDIAN  
 % WIND WIND

	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	1.7										2.5	5.2	5.0
020-040	2.0	2.9										4.9	4.8	5.0
050-070	4.3	4.2	.2									8.7	4.6	5.0
(E) 080-100	4.4	4.7	.1									9.2	4.9	5.0
110-130	3.7	7.1										10.8	5.0	5.0
140-160	4.4	5.2										9.9	4.8	5.0
(S) 170-190	4.9	11.1	.9	.1								17.0	5.7	5.0
200-220	3.1	5.7	.3									10.1	5.4	5.0
230-250	2.2	6.2										8.4	5.6	6.0
(W) 260-280	1.7	2.7										4.4	5.0	5.0
290-310	.9	2.3										3.1	5.4	5.0
320-340	.8	.2	.1									1.1	5.2	4.0

VARIABLE

CALM // 10.2 //

TOTALS 33.2 55.0 1.6 .1 100.0 4.7 5.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 79 - OCT 88  
 LST TO UTC: + 5 MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS					TOTAL %	MEAN WIND	MEDIAN WIND										
	1-4	5-9	10-14	15-19	20-24				25-29	30-34	35-39	40-49	50-64	65				
(N) 350-010	2.8	1.8							4.6	4.4	4.0							
020-040	4.0	2.6							6.6	4.5	4.0							
050-070	4.8	4.6							9.5	4.7	4.0							
(E) 080-100	3.9	3.0							6.9	4.4	4.0							
110-130	5.3	4.2							9.5	4.7	4.0							
140-160	3.5	3.8							7.3	4.8	5.0							
(S) 170-190	6.3	7.1	.5						14.0	5.1	5.0							
200-220	4.5	5.4	.1						10.1	4.9	5.0							
230-250	3.3	6.5							9.8	5.1	5.0							
(W) 260-280	2.9	1.3	.1						4.2	4.5	4.0							
290-310	1.6	.6	.2						2.5	4.7	4.0							
320-340	1.1	.4							1.5	4.1	4.0							

..... VARIABLE ..... 13.7 ////////////////

CALM //////////////// 100.0 4.1 4.0  
 TOTALS 44.0 41.3 .3 TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI IC UTC: + 5 MONTH: JUL HOURS: 05-08

WIND SPEED IN KNOTS  
 DIRECTION (DEGREES) 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-54 GE 65 TOTAL MEAN MEDIAN WIND WIND %

(N) 350-010	2.2	2.4								4.5	5.0	5.0
020-040	3.3	4.9	.1							8.4	5.1	5.0
050-070	2.4	2.7								8.1	5.3	5.0
(E) 080-100	4.2	4.7	.2							9.1	5.1	5.0
110-130	3.3	5.7	.2							9.2	5.4	5.0
140-160	3.3	4.2								8.0	5.0	5.0
(S) 170-190	4.6	3.4	.2							13.2	5.4	5.0
200-220	2.9	6.5	.3							9.6	5.8	6.0
230-250	3.5	6.9	.3							10.8	5.7	6.0
(W) 260-280	2.3	2.2	.2							5.3	5.0	4.0
290-310	1.5	1.7	.1							3.3	5.0	5.0
320-340	1.0	.9								1.8	4.7	4.0

..... VARIABLE .....

CALM // 8.7 //  
 TOTALS 35.4 54.2 1.7 100.0 4.9 5.0

..... TOTAL NUMBER OF OBSERVATIONS 930 .....

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050      STATION NAME: ORLANDO TAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      MONTH: JUL      HOURS: 09-11

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

(N) 350-010    1.1    1.6    .1    .2    .2    .2    .2    .2    .2    .2    2.8    5.7    5.5

020-040    1.2    2.5    .2    .2    .2    .2    .2    .2    .2    .2    4.0    6.1    6.0

050-070    1.3    3.9    1.3    .2    .2    .2    .2    .2    .2    .2    6.7    7.4    7.0

(E) 080-100    1.3    5.1    1.7    .2    .2    .2    .2    .2    .2    .2    8.1    7.2    7.0

110-130    1.5    6.9    2.2    .2    .2    .2    .2    .2    .2    .2    10.6    7.5    7.0

140-160    1.1    3.0    1.0    .2    .2    .2    .2    .2    .2    .2    10.9    7.1    7.0

(S) 170-190    1.0    12.4    1.5    .1    .2    .2    .2    .2    .2    .2    14.8    7.3    7.0

200-220    1.5    9.5    1.3    .2    .2    .2    .2    .2    .2    .2    12.5    7.0    7.0

230-250    1.6    1.2    2.3    .2    .2    .2    .2    .2    .2    .2    12.5    7.3    7.0

(W) 260-280    .2    4.7    1.6    .1    .2    .2    .2    .2    .2    .2    7.2    7.5    7.0

290-310    1.4    4.6    .8    .2    .2    .2    .2    .2    .2    .2    6.8    6.3    6.0

320-340    .3    1.9    .1    .2    .2    .2    .2    .2    .2    .2    2.9    6.1    6.0

VARIABLE

CALM    //    .4    //

TOTALS    14.9    70.1    14.1    .8    .2    .2    .2    .2    .2    .2    100.0    7.0    7.0

TOTAL NUMBER OF OBSERVATIONS    930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65
(N) 350-010	.5	2.6										3.1	5.9	6.0
020-040	.5	1.2	.6									2.5	7.0	7.0
050-070	1.1	6.0	2.7	.4								10.2	7.8	7.0
(E) 080-100	1.4	5.5	2.6	1.0								10.8	8.4	8.0
110-130	1.6	6.6	1.2	.3								9.7	7.1	7.0
140-160	.4	8.6	2.5	.2								11.7	8.0	8.0
(S) 170-190	.9	9.4	3.1	.1	.1							13.5	8.0	8.0
200-220	1.2	6.9	2.2	.3								10.5	7.9	8.0
230-250	.9	5.3	2.6	.5	.1							9.6	8.8	8.0
(W) 260-280	.4	4.5	1.4	.2								6.6	7.9	7.0
290-310	1.4	3.8	1.5	.2								6.9	7.3	7.0
320-340	1.1	2.7	.5									4.3	6.4	6.0

VARIABLE .....  
 CALM // .6 //  
 TOTALS 11.5 63.4 21.1 3.2 .1 .1 100.0 7.7 7.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65
(N) 350-010	.6	1.5	.6	.1	.1							3.0	8.0	8.0
020-040	.5	2.7	.3	.1	.1							3.1	7.9	7.0
050-070	.1	4.5	4.1	1.0								9.7	9.8	10.0
(E) 080-100	.8	6.1	7.4	1.1								15.4	9.9	10.0
110-130	.9	7.4	5.9	.6	.2							14.9	9.1	9.0
140-160	.9	7.3	2.6	.6								11.4	8.3	8.0
(S) 170-190	.6	7.2	1.9	.4	.2							10.4	8.3	8.0
200-220	.2	3.9	2.0	.3	.2							6.7	9.3	8.0
230-250	.9	4.5	3.8	.8								9.9	9.1	9.0
(W) 260-280	.5	2.4	1.6	.1								4.6	8.3	8.0
290-310	.5	2.6	2.6	.3	.1							6.1	9.5	9.0
320-340	.5	2.3	1.0	.1	.1							4.5	8.0	8.0

VARIABLE .....  
 CALM // .2 //  
 TOTALS 7.0 52.2 33.7 5.5 .9 .1 100.0 9.0 8.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND				
	1-4	5-9	10-14	15-19	20-24	25-29	30-34				35-39	40-49	50-64	GE 65
(N) 350-010	1.1	1.6	.5									3.2	6.1	5.0
020-040	.5	2.2	.2									2.9	6.4	6.0
050-070	.9	6.0	2.2	.3								9.4	7.9	8.0
(E) 080-100	1.4	11.3	4.4	.3								17.4	8.0	8.0
110-130	1.4	11.5	3.5									16.6	7.7	8.0
140-160	1.5	6.5	2.2	.2								10.3	7.4	7.0
(S) 170-190	1.5	7.4	2.0	.3								11.3	7.6	8.0
200-220	.4	4.6	1.5	.1								6.7	8.0	8.0
230-250	.6	5.8	2.3	.2								8.9	8.2	8.0
(W) 260-280	1.4	3.7	.9	.1								6.0	6.8	6.0
290-310	.4	3.0	.8	.1								4.3	7.6	7.0
320-340	.5	1.4	.1									2.0	6.0	6.0

.....  
 VARIABLE .....  
 CALM /// 1.0 ///  
 TOTALS 11.6 65.1 20.6 1.6 100.0 7.5 7.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 930  
 .....



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUL HOURS: 21-23

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	1.9	3.0										4.9	5.3	5.0
020-040	1.9	2.4										4.3	5.2	5.0
050-070	3.4	5.6	.3									9.4	5.2	5.0
(E) 080-100	2.0	11.2										13.2	5.8	6.0
110-130	2.9	10.9	.1									13.8	5.9	6.0
140-160	3.7	7.7	.3									11.7	5.5	6.0
(S) 170-190	2.6	10.4	.4									13.4	5.9	6.0
200-220	1.3	5.1	.3									6.7	6.3	6.0
230-250	1.8	5.4	.1									7.3	5.8	6.0
(W) 260-280	1.2	4.0	.3									5.5	6.2	6.0
290-310	.8	2.9	.4									4.1	6.5	6.0
320-340	.9	.8	.1									1.7	5.4	4.5

..... VARIABLE .....  
 CALM /// 4.0 ///  
 TOTALS 24.3 69.4 2.3 100.0 5.6 6.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.4	2.0	.2	.0	.0							3.6	5.6	5.0
020-040	1.9	2.6	.2	.0	.0							4.6	5.5	5.0
050-070	2.3	5.1	1.3	.2								8.9	6.6	6.0
(E) 080-100	2.4	6.5	2.1	.3								11.3	7.1	6.0
110-130	2.6	7.5	1.6	.1	.0							11.9	6.8	6.0
140-160	2.4	6.5	1.1	.1								10.1	6.5	6.0
(S) 170-190	2.8	9.2	1.3	.1	.0	.0						13.5	6.6	6.0
200-220	1.9	6.0	1.0	.1	.0							9.1	6.7	6.0
230-250	1.9	6.1	1.4	.2	.0							9.6	7.0	6.0
(W) 260-280	1.5	3.2	.3	.1								5.5	6.5	6.0
290-310	1.1	2.7	.8	.1	.0							4.6	6.9	6.0
320-340	.8	1.4	.2	.0	.0							2.5	6.2	6.0

.....  
 VARIABLE  
 .....  
 CALM // 4.9 //

TOTALS 22.9 58.8 12.0 1.3 100.0 6.3 6.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 7440  
 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-54 GE 65 TOTAL MEAN MEDIAN

(DEGREES) WIND SPEED IN KNOTS % WIND WIND  
 (N) 350-010 2.9 4.6 .6 8.1 6.0 6.0

020-040 1.7 4.0 5.8 5.1 5.0  
 050-070 1.7 3.5 2.3 1.2 8.7 7.6 6.0

(E) 080-100 1.2 2.9 1.2 1.2 6.4 8.7 7.0  
 110-130 2.3 1.2 1.7 .6 5.8 8.2 5.5

140-160 1.7 3.5 .6 .6 6.4 7.1 6.0  
 (S) 170-190 4.0 7.5 1.2 .6 13.3 6.4 5.0

200-220 2.3 5.8 1.7 .6 11.0 8.0 6.0  
 230-250 3.5 10.4 13.9 5.3 5.5

(W) 260-280 2.3 4.6 1.7 8.7 6.5 6.0  
 290-310 .6 1.7 1.7 4.0 7.9 6.0

320-340 2.3 1.2 .6 4.0 5.6 4.0  
 VARIABLE

CALM // 4.0 //  
 TOTALS 26.5 50.9 13.3 3.6 1.8 100.0 6.5 6.0

TOTAL NUMBER OF OBSERVATIONS 173

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(M) 350-010	2.3	1.5										3.8	4.4	4.0
020-040	6.5	4.0	.1									10.5	4.3	4.0
050-070	6.1	3.7	.2									10.0	4.5	4.0
(E) 080-100	3.2	3.3	.1									6.7	4.7	5.0
110-130	4.2	5.8	.1									10.1	4.8	5.0
140-160	4.9	5.2										10.1	4.8	5.0
(S) 170-190	4.5	10.2										14.7	5.2	5.0
200-220	3.2	4.5										7.7	4.8	5.0
230-250	1.8	2.8	.4									5.1	5.2	5.0
(W) 260-280	1.5	1.2	.1									2.8	4.7	4.0
290-310	1.6	1.4	.1									3.1	5.0	4.0
320-340	.8	1.4										2.2	5.0	5.0

VARIABLE .....  
 CALM // 13.2 //  
 TOTALS 40.6 45.0 1.0 .1 100.0 4.2 5.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: AUG HOURS: 03-05

.....  
 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 SPEED IN KNOTS % WIND WIND

(N) 350-010 3.1 2.9 ..... 6.0 4.5 4.0

020-040 6.9 4.3 ..... 11.2 4.2 4.0

050-070 6.8 4.1 ..... 10.9 4.4 4.0

(E) 080-100 3.7 2.5 ..... 6.1 4.3 4.0

110-130 4.3 2.7 .4 ..... 7.4 4.8 4.0

140-160 3.4 3.1 ..... 6.6 4.6 4.0

(S) 170-190 6.9 8.4 .2 ..... 15.5 4.9 5.0

200-220 4.0 3.2 ..... 7.2 4.7 4.0

230-250 2.3 1.7 .1 ..... 4.1 4.8 4.0

(W) 260-280 1.6 .6 ..... 2.3 4.2 4.0

290-310 1.3 1.7 ..... 3.0 4.9 5.0

320-340 1.2 1.7 .2 ..... 3.1 5.3 5.0

.....  
 VARIABLE .....

CALM //////////////// 16.7 ////////////////

TOTALS 45.5 36.9 .5 .1 100.0 3.8 4.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: AUG 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 3.4 3.5 3.4 3.7 .1 3.3 4.0 .2 2.3 2.5 .3 5.2 8.2 .5 2.8 6.0 1.5 3.4 1.7 1.2 1.7 1.6 1.0 1.7 .1 7.0 4.8 5.0 11.6 5.0 5.0 12.7 5.1 5.0 8.9 4.8 4.0 7.5 5.1 5.0 5.1 5.3 5.0 13.9 5.4 5.0 8.8 5.3 5.0 4.9 5.4 5.0 2.9 4.3 4.0 3.3 4.7 4.0 2.8 5.3 5.0

020-040 5.5 5.9 .2

050-070 5.9 6.6 .2

(E) 080-100 5.2 3.7 .1

110-130 3.3 4.0 .2

140-160 2.3 2.5 .3

(S) 170-190 5.2 8.2 .5

200-220 2.8 6.0

230-250 1.5 3.4

(W) 260-280 1.7 1.2

290-310 1.7 1.6

320-340 1.0 1.7 .1

VARIABLE

CALM // 10.5 //

TOTALS 39.5 48.3 1.6 100.0 4.6 5.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65
(M) 350-010	1.1	2.9	.2									4.2	6.1	6.0
020-040	1.1	4.8	.2									6.1	6.2	6.0
050-070	1.1	5.7	1.3	.4								8.5	7.6	7.0
(E) 090-100	.8	6.1	1.8	.3								9.0	7.6	7.0
110-130	1.4	10.2	1.0									12.6	6.9	7.0
140-160	2.0	7.8	.9									10.8	6.5	6.0
(S) 170-190	1.5	8.5	1.7	.1	.1							11.9	7.1	7.0
200-220	1.7	7.8	.8									10.3	6.4	6.0
230-250	1.5	5.9	.8	.1								8.3	6.9	7.0
(M) 260-280	.8	3.9	1.0	.1								5.7	7.4	7.0
290-310	1.8	4.3	.3									6.5	5.8	6.0
320-340	1.0	3.3	.2									4.5	6.0	6.0

VARIABLE  
 CALM // 1.6 //  
 TOTALS 15.8 71.2 10.2 1.0 .1 100.0 6.7 6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: OKLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND											
	1-4	5-9	10-14	15-19	20-24	25-29				30-34	35-39	40-49	50-64	65						
(N) 350-010	.8	3.0	.4				4.2	6.9	7.0											
020-040	.8	3.0	1.6	.1			5.5	8.0	8.0											
050-070	1.4	6.2	4.0	.3			11.9	8.4	8.0											
(E) 080-100	1.4	4.9	3.8	.3			10.4	8.6	9.0											
110-130	.8	6.0	3.0	.6			10.4	8.5	8.0											
140-160	.5	6.0	1.2	.1	.1		8.0	7.8	7.0											
(S) 170-190	1.3	8.8	2.7	.2	.1		13.1	7.7	8.0											
200-220	1.2	4.8	2.3	.4			8.7	8.1	8.0											
230-250	1.0	5.9	2.6	.2			9.7	7.9	8.0											
(W) 260-280	.9	2.4	.3				3.5	6.7	6.0											
290-310	2.2	5.3	1.2	.3	.1		9.0	7.1	6.0											
320-340	.9	3.4	.4				4.7	6.3	6.0											
VARIABLE																				
CALM	////////////////////											.8	////////////////////							
TOTALS	13.2	59.7	23.5	2.5	.3		100.0	7.8	8.0											

TOTAL NUMBER OF OBSERVATIONS 930



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UIC: + 5 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 .5 2.5 .8 .3 5.8 1.0 .1 3.8 7.5 7.0

020-040 1.4 2.9 2.6 .3 7.2 8.6 9.0

050-070 1.0 9.9 5.6 .9 14.0 9.5 9.0

(E) 080-100 .3 6.7 8.4 .5 15.9 9.8 10.0

110-130 .5 7.9 5.3 .6 .1 14.4 9.0 8.5

140-160 .2 5.8 1.0 .8 8.6 8.6 8.0

(S) 170-190 .4 5.3 .8 .5 .1 7.1 8.3 8.0

200-220 .3 4.6 2.0 .2 7.0 8.0 8.0

230-250 .4 3.9 2.0 .2 6.6 8.6 8.0

(W) 260-290 .5 1.8 1.7 .1 4.1 8.4 8.0

290-310 1.0 4.6 1.8 .3 7.7 8.0 8.0

320-340 .9 1.5 .5 .2 3.0 7.5 7.0

VARIABLE

CALM // .6 //

TOTALS 7.3 54.0 33.3 4.3 .2 100.0 8.7 8.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 MONTH: AUG 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
(N) 350-010	1.8	1.9	2.2	.1								4.1	5.8	5.0
020-040	1.2	3.1	1.2									5.5	7.0	6.0
050-070	2.0	9.1	2.9									14.1	7.2	7.0
(E) 080-100	1.9	14.5	4.2									20.8	7.6	8.0
110-130	1.1	11.2	2.8									15.1	7.3	7.0
140-160	1.8	6.7	1.0									9.5	6.5	6.0
(S) 170-190	1.5	4.3	1.0									7.3	6.5	6.0
200-220	.6	3.7	.5									4.8	6.7	7.0
230-250	.9	4.4	.8									6.0	7.1	7.0
(W) 260-280	.9	2.2	.8									3.8	6.9	6.0
290-310	.6	2.9	.4									4.0	6.4	6.0
320-340	.4	1.8	.5									2.8	6.8	6.0

..... VARIABLE .....  
 CALM // 2.4 //  
 TOTALS 14.7 60.4 16.3 .1 100.0 6.9 7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION: "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: AUG HOURS: 21-23

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.6	2.2	.3									5.1	5.1	4.0
020-040	3.4	4.5										8.0	4.8	5.0
050-070	4.3	8.3	.1									12.7	5.2	5.0
(E) 080-100	4.3	9.4										13.7	5.3	5.0
110-130	4.2	10.1	.7									14.5	5.4	5.0
140-160	2.4	3.0	.4	.1								10.9	5.9	5.0
(S) 170-190	3.1	6.9	.7									10.2	5.4	5.0
200-270	1.3	3.9	.1									5.3	5.6	6.0
230-250	1.6	4.6	.1									6.3	5.5	5.0
(W) 260-280	1.5	1.7										3.2	4.9	5.0
290-310	1.3	1.6	.1									3.0	5.4	5.0
320-340	1.3	1.1										2.4	4.8	4.0

VARIABLE

CALM // 4.6 //

TOTALS 31.3 62.3 1.5 .1 100.0 5.1 5.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST ID UIC: + 5 MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65
(N) 350-010	1.9	2.6	.2	.0								4.8	5.5	5.0
020-040	3.3	4.1	.7	.1								8.2	5.7	5.0
050-070	3.6	6.3	1.8	.2								11.8	6.6	6.0
(E) 080-100	2.6	6.4	2.3	.1								11.4	7.1	6.0
110-130	2.5	7.2	1.6	.2	.0							11.5	6.7	6.0
140-160	2.2	5.6	.7	.1	.0							8.7	6.3	6.0
(S) 170-190	3.1	7.6	.9	.1	.0							11.7	6.1	6.0
200-220	1.9	4.8	.7	.1								7.5	6.2	6.0
230-250	1.4	4.1	.8	.1								6.4	6.7	6.0
(W) 260-280	1.2	1.9	.5	.0								3.5	6.3	6.0
290-310	1.4	2.9	.5	.1	.0							5.0	6.3	6.0
320-340	.9	2.0	.3	.0								3.2	6.0	5.0
VARIABLE														
CALM	////////////////////										6.3	////////////////		
TOTALS	26.0	55.5	11.0	1.1								100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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 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 SPEED IN KNOTS % WIND WIND

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	MEDIAN
(N) 350-010	3.1	2.3	.8	.8								6.9	7.2	5.0
020-040	.8	3.8	3.1									7.6	8.0	7.5
050-070	3.1	7.6	2.3	.8								13.7	6.8	5.5
(E) 080-100	1.5	1.5	.8									3.8	7.0	6.0
110-130	3.1	5.3	3.8	1.5								13.7	8.9	8.5
140-160		5.3	.8	.8								6.9	8.3	6.0
(S) 170-190	2.3	4.6	.8	.8	.8							9.2	8.6	7.0
200-220	2.3	4.6	.8	.8								8.4	7.0	6.0
230-250	1.5	5.3	1.5									8.4	6.9	7.0
(W) 260-280	1.5	2.3	.8									4.6	6.7	7.0
290-310		4.6	1.5									6.1	8.1	7.5
320-340	2.3	1.5										3.8	5.2	4.0

VARIABLE

CALM // 6.9 //

TOTALS 21.5 48.7 17.0 5.5 .8 100.0 7.1 6.0

TOTAL NUMBER OF OBSERVATIONS 131

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(M) 350-010	5.7	6.1	.1									11.9	4.9	5.0
020-040	6.7	7.0	.1									13.8	5.0	5.0
050-070	5.6	8.3										13.9	4.9	5.0
(E) 080-100	3.8	4.4	.1									8.3	4.9	5.0
110-130	3.3	2.1	.3	.2								6.0	5.6	4.0
140-160	2.8	3.4	.3	.1								6.7	5.7	5.0
(S) 170-190	3.8	4.9	.7									9.3	5.6	5.0
200-220	2.1	1.6	.1									3.8	5.0	4.0
230-250	1.4	1.4	.1									3.0	5.3	5.0
(W) 260-280	1.7	.8	.1	.1								2.7	5.5	4.0
290-310	2.6	1.1	.3	.1								4.1	5.6	4.0
320-340	2.3	2.3										4.7	4.6	4.5

..... VARIABLE .....  
 CALM // 11.9 //  
 TOTALS 41.8 43.4 2.1 .2 .2 .2 .2 100.0 4.5 5.0

..... TOTAL NUMBER OF OBSERVATIONS 900 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-54				GE 65
(M) 350-010	6.9	8.9	.2									16.0	5.0	5.0
020-040	7.8	7.9	.7									16.3	4.9	5.0
050-070	4.9	7.9	.2									13.0	5.2	5.0
(E) 080-100	2.6	1.9	.2									4.7	5.1	4.0
110-130	1.2	1.8	.1	.1								3.2	6.3	6.0
140-160	1.9	2.2	.1	.1	.1	.2						4.6	6.5	5.0
(S) 170-190	2.7	5.0	.7									8.3	5.8	5.0
200-220	2.8	1.1	.1									4.0	4.4	4.0
230-250	1.8	1.4	.1	.3								3.7	6.2	5.0
(N) 260-280	1.6	.8										2.3	4.4	4.0
290-310	1.8	1.2	.3									3.3	5.1	4.0
320-340	3.3	3.1										6.4	4.7	4.0

VARIABLE  
 CALM // 14.1 //  
 TOTALS 39.3 43.2 2.6 .2 .4 .2 100.0 4.5 5.0

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP HOURS: 06-08

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 6E 65 TOTAL MEAN MEDIAN  
 (DEGREES) % WIND WIND

(N) 350-010 7.1 9.1 .3 16.6 5.0 5.0

020-040 8.9 10.7 .8 20.3 5.3 5.0

050-070 5.2 10.4 .4 16.1 5.4 5.0

(E) 080-100 2.3 4.1 6.4 5.2 5.0

110-130 1.7 1.7 .2 3.6 5.5 5.0

140-160 1.3 1.7 .3 3.4 6.4 5.0

(S) 170-190 2.3 4.0 .9 .2 .1 7.6 6.8 6.0

200-220 1.1 1.9 .2 .3 3.6 6.6 5.0

230-250 2.6 1.7 .1 4.3 4.7 4.0

(W) 260-280 1.7 1.0 2.7 4.7 4.0

290-310 1.1 .7 .3 .1 2.2 6.3 4.5

320-340 2.6 2.9 .1 5.6 5.2 5.0

VARIABLE .....

CALM // 7.7 //

TOTALS 37.9 49.9 3.6 .5 .2 .1 100.0 5.0 5.0

TOTAL NUMBER OF OBSERVATIONS 900







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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.1	3.2	.7	.1	.2							4.3	8.8	8.0
020-040	.6	4.0	3.8	1.1		.1						9.6	10.3	10.0
050-070	1.0	8.6	13.4	2.6								25.6	10.2	10.0
(E) 080-100	.6	8.0	9.9	.4								18.9	9.7	10.0
110-130	.8	6.6	4.2	.1								11.7	8.6	9.0
140-160	.6	3.1	.9	.1	.1							4.8	8.0	8.0
(S) 170-190	.7	4.2	2.0									6.9	8.1	8.0
200-220	.2	2.7	.7	.4	.1							4.1	9.1	8.0
230-250	.4	1.6	.8	.4	.1							3.3	9.1	7.5
(N) 260-280	.3	1.3	.9									2.6	7.9	6.0
290-310	.8	3.3	.8	.1								5.0	7.1	6.0
320-340	.4	2.2	.3									3.0	6.7	6.0

VARIABLE .....  
 CALM // .3 //  
 TOTALS 6.5 48.8 38.4 5.3 .3 .2 .1 100.0 9.2 9.0

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UIC: + 5 MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(M) 350-010	1.2	2.9	.4			.2						4.8	7.3	6.0
020-040	1.1	9.6	3.0	.1	.1							13.9	7.8	7.0
050-070	1.8	20.0	4.0	.2								26.0	7.2	7.0
(E) 080-100	1.0	18.7	2.7	.1								22.4	7.4	7.0
110-130	1.3	9.1	1.4	.1								11.0	7.2	7.0
140-160	.8	3.3	.1	.1	.1							4.3	6.4	6.0
(S) 170-190	.4	3.3	.4	.1								4.2	7.2	7.0
200-220	.3	2.6	.4	.1								3.4	7.6	7.0
230-250	.3	1.0	.3	.3								2.0	8.5	7.0
(N) 260-280	.3	1.0	.2	.2								1.8	7.8	6.5
290-310	.6	1.6	.3									2.4	7.0	6.0
320-340	.7	1.4	.2									2.3	5.9	5.0

VARIABLE .....  
 CALM /// 1.3 ///  
 TOTALS 9.8 73.5 13.4 1.1 .2 .2 100.0 7.2 7.0

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: +5 MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.7	6.4	.1	.1	.1							10.3	5.5	5.0
020-040	5.9	12.0	.6	.1								18.6	5.5	5.0
050-070	5.7	13.9	.4									20.0	5.5	5.0
(E) 080-100	3.4	8.4	.1									12.0	5.3	5.0
110-130	2.1	6.8	.2	.2								9.3	5.9	6.0
140-160	2.0	4.4	.1									6.6	5.5	5.0
(S) 170-190	1.4	4.2	.8									6.4	6.3	6.0
200-220	.9	2.2	.6									3.7	6.5	6.0
230-250	.8	1.6	.3									2.7	6.2	5.0
(W) 260-280	.7	1.2										1.9	5.4	6.0
290-310	1.0	.8	.1	.1								2.0	5.7	4.5
320-340	.9	2.2	.1	.1								3.3	6.1	5.0

..... VARIABLE .....  
 CALM // 3.2 //  
 TOTALS 28.5 64.1 3.3 .4 .3 100.0 5.5 5.0

..... TOTAL NUMBER OF OBSERVATIONS 900 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP HOURS: ALL

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 SPEED IN KNOTS % WIND WIND

(N) 350-010 3.4 5.8 .7 .0 .0 .1 .0 .0 .0 .0 .0 9.9 5.8 5.0

020-040 4.2 8.0 1.9 .3 .0 .0 .0 .0 .0 .0 14.4 6.6 6.0

050-070 3.4 10.8 4.2 .7 .0 .0 .0 .0 .0 .0 19.2 7.5 6.0

(E) 080-100 2.0 7.5 2.9 .2 .0 .0 .0 .0 .0 .0 12.6 7.5 7.0

110-130 1.9 4.5 1.4 .1 .0 .0 .0 .0 .0 .0 7.8 7.1 7.0

140-160 1.4 3.3 .4 .1 .0 .0 .0 .0 .0 .0 5.3 6.6 6.0

(S) 170-190 1.6 4.3 1.3 .0 .1 .0 .0 .0 .0 .0 7.3 7.0 6.0

200-220 1.0 2.1 .6 .2 .0 .0 .0 .0 .0 .0 4.0 7.4 6.0

230-250 1.2 1.8 .4 .2 .1 .0 .0 .0 .0 .0 3.6 6.9 5.0

(W) 260-280 1.0 1.3 .3 .0 .0 .0 .0 .0 .0 .0 2.7 6.4 6.0

290-310 1.3 2.0 .4 .1 .0 .0 .0 .0 .0 .0 3.8 6.2 5.0

320-340 1.5 2.7 .2 .0 .0 .0 .0 .0 .0 .0 4.4 5.7 5.0

..... VARIABLE .....

CALM // 5.0 //

TOTALS 23.8 54.1 14.7 1.9 .3 .1 100.0 6.5 6.0

..... TOTAL NUMBER OF OBSERVATIONS 7200 .....

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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 (DEGREES)	WIND SPEED IN KNOTS					TOTAL %	MEAN WIND	MEDIAN WIND					
	1-4	5-9	10-14	15-19	20-24				25-29	30-34	35-39	40-49	50-64
(N) 350-010	1.4	5.8	.5	.5	1.4	.5	1.4	9.7	9.9	6.5			
020-040	1.9	4.3	1.0	2.4	.5	.5	11.6	11.5	8.0				
050-070	1.4	4.3	1.4	1.0	.5		8.7	9.1	7.0				
(E) 080-100	.5	2.4	.5	1.0			4.3	9.1	8.0				
110-130	1.0	1.4	1.0	1.9			5.3	11.1	10.0				
140-160	1.9	5.3	1.4	.5			9.2	7.3	6.0				
(S) 170-190	.5	4.3	7.2				12.1	9.8	10.0				
200-220	.5	3.4	1.9	2.9	.5		9.2	12.0	10.0				
230-250	1.9	4.3	1.0	.5	1.9		9.7	9.9	7.5				
(W) 260-280	1.9	.5	1.0			.5	3.9	8.5	5.0				
290-310	.5	1.4	2.9	1.0	.5	.5	6.8	12.9	12.0				
320-340	1.0	1.0	1.0		.5		3.4	9.1	8.0				

VARIABLE  
 CALM // 6.3 //

TOTALS 14.4 38.9 20.8 11.2 4.9 2.9 .5  
 100.0 9.5 8.0

TOTAL NUMBER OF OBSERVATIONS 207

OPERATING LOCATION: WAF SAFETAC, ASHEVILLE NC PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: OCT 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 MEDIAN WIND WIND %

(N) 350-010 4.4 18.7 1.9 4.4 18.7 1.9 24.9 6.3 6.0

020-040 4.5 13.1 .3 .1 18.1 5.5 5.0

050-070 3.4 6.2 .1 9.8 5.1 5.0

(E) 080-100 1.8 2.6 4.4 5.0 5.0

110-130 1.8 2.3 4.1 4.9 5.0

140-160 1.8 2.2 .1 4.1 5.3 5.0

(S) 170-190 1.9 1.9 3.8 4.8 5.0

200-220 1.5 1.4 2.9 4.5 4.0

230-250 .8 1.7 2.4 5.3 5.0

(W) 260-280 3.0 1.4 4.4 4.2 4.0

290-310 1.7 2.7 .3 4.7 5.5 5.0

320-340 2.6 6.7 .4 9.7 6.0 6.0

VARIABLE

CALM // 6.6 //

TOTALS 28.9 60.9 3.0 .1 100.0 5.1 5.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050      STATION NAME: ORLANDO TAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      MONTH: OCT      HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS					TOTAL %	MEAN WIND	MEDIAN WIND					
	1-4	5-9	10-14	15-19	20-24				25-29	30-34	35-39	40-49	50-64
(N) 350-010	5.9	18.2	1.2								25.3	5.9	6.0
020-040	6.0	13.1									19.1	5.3	5.0
050-070	2.4	4.8	.2								7.4	5.3	5.0
(E) 080-100	1.2	1.5									2.7	4.8	5.0
110-130	1.5	1.3									2.8	4.7	4.0
140-160	1.1	1.0	.4								2.5	5.7	5.0
(S) 170-190	2.4	1.8	.1								4.3	4.7	4.0
200-220	1.7	1.0									2.7	4.4	4.0
230-250	1.0	1.6									2.6	4.6	5.0
(W) 260-280	2.4	.5	.2								3.1	4.6	4.0
290-310	2.4	2.7	.2								5.3	5.0	5.0
320-340	3.0	10.1	1.1	.1							14.3	6.4	6.0

VARIABLE .....

CALM // 8.0 //

TOTALS      31.0      57.6      3.4      .1      100.0      5.1      5.0

TOTAL NUMBER OF OBSERVATIONS      930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	5.2	21.7	2.8									29.7	6.4	6.0
020-040	4.5	13.2	.1		.1							18.0	5.7	6.0
050-070	4.0	5.9	.3									10.2	5.3	5.0
(E) 080-100	.8	1.9										2.7	5.2	5.0
110-130	1.2	1.3										2.5	4.8	5.0
140-160	1.1	1.3	.1									2.5	5.3	5.0
(S) 170-190	1.0	2.3	.2									3.4	5.8	6.0
200-220	1.3	.8										2.0	4.7	4.0
230-250	2.4	1.3										3.7	4.3	4.0
(W) 260-280	1.1	1.3	.1									2.5	5.1	5.0
290-310	2.0	1.9	.2									4.2	5.3	5.0
320-340	3.0	9.6	1.1									13.7	6.3	6.0

VARIABLE .....

CALM /// 5.1 ///

TOTALS 27.6 62.5 4.9 .1 100.0 5.5 6.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.8	9.9	5.9	.5									17.1	8.8	8.0
020-040	.5	7.7	6.7	.3									15.3	9.1	9.0
050-070	.8	3.2	6.9	.9									17.7	9.2	9.0
(E) 080-100	.8	5.4	4.0	.2	.1								10.4	8.9	9.0
110-130	1.1	3.8	1.3										6.1	7.3	7.0
140-160	.4	2.9	1.7										5.1	7.9	8.0
(S) 170-190	.3	2.6	1.8	.4									5.2	9.3	9.0
200-220	.1	1.9	.5										2.6	7.7	8.0
230-250	.2	2.7	.4	.1									3.4	7.3	7.0
(W) 260-280	.6	1.8	.8	.1									3.3	7.4	7.0
290-310	.5	3.2	.6	.2									4.6	7.4	7.0
320-340	.9	6.1	1.6	.2									8.8	7.7	8.0

..... VARIABLE .....

CALM // .3 //

TOTALS 7.0 57.2 32.2 7.9 .1 100.0 8.5 8.0

..... TOTAL NUMBER OF OBSERVATIONS 930 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST IC UIC: + 5 MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.4	4.7	3.3	.5								9.0	9.4	9.0
020-040	.2	6.6	7.1	1.5	.2							15.6	10.2	10.0
050-070	1.2	7.0	12.7	1.4	.1							22.4	10.4	10.0
(E) 080-100	.3	3.5	6.7	1.0	.1							11.6	10.6	10.0
110-130	.2	3.7	3.3	.1								7.3	8.8	9.0
140-160	.2	1.9	1.2									3.3	8.1	8.0
(S) 170-190	.3	2.4	1.1	.6								4.4	9.4	9.0
200-220	.1	2.0	1.3									3.4	8.6	8.5
230-250	.5	2.8	1.2									4.5	8.0	8.0
(W) 260-280	.6	2.5	1.1	.4								4.6	8.5	8.0
290-310	.6	3.9	1.5	.3								6.3	7.9	8.0
320-340	.9	4.4	1.7	.1								7.1	7.5	7.0

VARIABLE .....

CALM // .3 //

TOTALS 5.5 45.4 42.2 5.9 .4 100.0 9.4 9.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST IC UTC: + 5 MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65
(N) 350-010	.6	3.4	2.6	.5								7.2	9.2	9.0
020-040	.2	5.1	7.1	1.5	.1							14.0	10.5	10.0
050-070	.3	7.3	20.0	2.7	.1							30.4	10.9	11.0
(E) 080-100	.1	4.7	8.6	.9								14.3	10.4	10.0
110-130	.2	2.6	2.0									4.8	8.6	9.0
140-160	.1	1.6	.1									1.8	7.1	7.0
(S) 170-190	.2	1.4	.2	.1								1.9	7.4	7.0
200-220	.2	1.4	1.2									2.8	8.6	8.5
230-250	.6	2.5	1.0	.1								4.2	7.9	9.0
(W) 260-280		3.5	1.1	.2								4.8	8.6	8.0
290-310	.9	5.2	1.6									7.6	7.6	8.0
320-340	.6	4.6	.4									5.7	6.9	7.0

VARIABLE .....

CALM // .3 //

TOTALS 4.0 43.3 45.9 6.0 .2 100.0 9.6 10.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65
(M) 350-010	.9	7.5	3.4	.4								12.3	8.3	8.0
020-040	1.0	15.4	4.0									20.4	7.6	7.0
050-070	1.1	21.7	3.6	.1								26.4	7.4	7.0
(E) 080-100	.5	14.1	.6	.1								15.4	7.0	7.0
110-130	.3	4.7	.1									5.2	6.8	7.0
150-160	.2	.5	.1									.9	6.5	6.0
(S) 170-190	.8	1.5	.1	.1								2.5	6.0	5.0
200-220	.4	1.7										2.2	6.0	6.0
230-250	.4	1.9										2.4	5.6	6.0
(M) 260-280	.2	2.8		.1								3.1	6.8	6.0
290-310	1.0	3.9	.4									5.3	6.6	6.0
320-340	1.0	2.3	.6									3.9	6.4	6.0

VARIABLE .....  
 CALM // .2 //  
 TOTALS 7.8 78.0 12.9 .8 100.0 7.2 7.0

TOTAL NUMBER OF OBSERVATIONS 928



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT, 88  
 LST TO UTC: + 5 MONTH: OCT 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)

(N) 350-010 2.6 12.8 2.9 .3 18.5 7.1 7.0

020-040 2.6 11.3 3.2 .4 .1 17.7 7.3 6.0

050-070 2.2 9.2 5.5 .6 .0 17.5 8.2 8.0

(E) 080-100 1.0 5.1 2.5 .3 .0 8.9 8.1 8.0

110-130 1.2 2.8 .8 .0 4.9 6.7 6.0

140-160 .8 1.6 .5 2.9 6.5 6.0

(S) 170-190 1.0 1.8 .5 .2 3.5 6.9 6.0

200-220 .7 1.5 .4 2.6 6.4 6.0

230-250 .9 2.0 .3 .0 3.2 6.3 6.0

(W) 260-280 1.2 2.2 .4 .1 3.9 6.5 6.0

290-310 1.3 3.3 .6 .1 5.3 6.6 6.0

320-340 1.5 5.7 1.0 .1 8.3 6.7 6.0

VARIABLE

CALM // 2.9 //

TOTALS 16.9 59.3 18.6 2.1 .1 100.0 7.0 7.0

TOTAL NUMBER OF OBSERVATIONS 7435



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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 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 SPEED IN KNOTS

(N) 350-010 1.4 16.9 10.9 1.1 30.3 9.0 9.0

020-040 1.1 10.4 .5 1.1 13.1 7.3 6.0

050-070 1.4 4.6 1.1 7.1 6.4 5.0

(E) 080-100 .8 2.2 .3 3.3 5.5 5.5

110-130 .8 1.1 1.1 3.0 7.5 5.0

140-160 .8 1.9 .3 3.0 6.6 6.0

(S) 170-190 .8 2.2 .8 3.8 6.8 6.0

200-220 1.1 .3 .3 1.6 5.5 4.0

230-250 1.1 1.6 .3 3.0 5.8 5.0

(M) 260-280 .5 2.5 .5 3.6 6.8 7.0

290-310 1.1 4.4 1.1 6.6 6.6 6.0

320-340 4.1 8.7 6.0 .3 19.1 7.8 8.0

VARIABLE

CALM // 2.5 //

TOTALS 15.0 56.8 22.9 2.8 100.0 7.4 7.0

TOTAL NUMBER OF OBSERVATIONS 366

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65
(M) 350-010	3.9	11.3	1.3									16.6	6.1	6.0
020-040	4.9	7.7	.6									13.1	5.2	5.0
050-070	4.8	6.1	.7									11.6	5.4	5.0
(E) 080-100	2.2	3.3	.6	.1								6.2	5.8	5.0
110-130	1.6	3.4	.2									5.2	5.6	6.0
140-160	.6	4.4	.3									5.3	6.1	6.0
(S) 170-190	1.6	3.1	.9									5.6	6.4	6.0
200-220	.9	1.2	.3									2.4	6.0	6.0
230-250	.9	1.7										2.6	5.6	6.0
(W) 260-280	.9	2.6										3.4	5.9	6.0
290-310	.8	3.3	.9	.2	.1							5.3	7.7	7.0
320-340	3.0	8.3	3.1	.3								14.8	7.4	7.0

VARIABLE .....

CALM // 7.9 //

TOTALS 26.1 56.4 8.9 .6 .1 .1 100.0 5.7 6.0

TOTAL NUMBER OF OBSERVATIONS 907

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				65
(M) 350-010	5.4	13.7	1.3									20.4	6.1	6.0
020-040	5.2	7.4	.2									12.9	5.2	5.0
050-070	4.1	4.7	.9									9.7	5.5	5.0
(E) 080-100	2.0	2.6	.4									5.0	5.6	5.0
110-130	1.4	1.3	.3									3.1	5.9	5.5
140-160	1.2	2.7	.2									4.1	5.4	5.0
(S) 170-190	1.4	3.3	.7	.1								5.6	6.5	6.0
200-220	1.2	1.1										2.3	4.6	4.0
230-250	.8	2.0	.1									2.9	6.2	6.0
(W) 260-280	1.4	1.0	.4									2.9	5.6	4.5
290-310	1.1	3.6	.9	.3								5.9	7.3	7.0
320-340	2.2	8.7	4.8	.2								15.9	7.8	8.0

.....  
 VARIABLE  
 CALM // 9.3 //  
 TOTALS 27.4 52.1 10.2 .6 100.0 5.6 6.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 900  
 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 MONTH: NOV 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
(M) 350-010	4.4	14.0	2.9	.2								21.6	6.6	6.0
020-040	7.2	9.1	.6									16.9	5.3	5.0
050-070	3.6	4.8	.4									8.8	5.5	5.0
(E) 080-100	1.6	3.0	.1									4.7	5.4	5.0
110-130	.8	1.4	.3									2.6	6.0	6.0
140-160	1.3	2.3	.3									4.0	5.8	5.5
(S) 170-190	1.1	4.3	1.0									6.4	6.9	6.0
200-220	.9	2.2										3.0	5.5	6.0
230-250	.8	1.2										2.0	5.1	5.0
(W) 260-280	.8	1.0	.2									2.0	6.1	6.0
290-310	.9	2.8	1.7	.1								5.4	8.0	8.0
320-340	1.9	9.9	3.1	.2								15.1	7.5	7.0

VARIABLE

CALM // 7.6 //

TOTALS 25.2 56.0 10.6 .5 100.0 5.8 6.0

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: NOV 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 MEDIAN WIND WIND %

(N) 350-010 .9 7.8 5.3 .8 14.8 8.7 8.0

020-040 .6 8.1 4.0 .3 13.0 8.6 8.0

050-070 1.0 8.0 4.2 1.1 14.3 8.9 8.0

(E) 080-100 .3 6.1 3.3 .1 9.9 8.5 8.0

110-130 .4 4.7 2.4 .2 7.8 8.6 8.0

140-160 .7 2.9 1.4 .3 5.3 8.7 8.0

(S) 170-190 .2 3.6 3.1 .6 7.4 9.7 9.0

200-220 .1 1.9 1.6 .2 3.8 9.4 9.0

230-250 .7 1.6 .3 2.6 6.5 6.0

(W) 260-280 .6 .7 .6 .3 2.1 8.7 8.0

290-310 .9 3.2 1.9 .6 6.6 8.7 8.0

320-340 .7 5.4 4.8 .3 11.2 9.2 9.0

..... VARIABLE .....

CALM // 1.2 //

TOTALS 7.1 54.0 32.9 4.8 100.0 8.7 8.0

..... TOTAL NUMBER OF OBSERVATIONS 900 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 MONTH: NOV HOURS: 12-14

.....  
 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 SPEED IN KNOTS % WIND WIND

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	4.2	3.2	.7								8.3	9.7	9.0
020-040	.8	4.7	3.9	1.1								10.4	9.7	9.0
050-070	.8	4.7	5.7	2.2	.1							13.4	10.5	11.0
(E) 080-100	.6	6.7	6.8	1.1								15.1	9.9	10.0
110-130	.3	4.7	3.3	.2								8.6	9.1	8.0
140-160		3.1	3.2	.2								6.6	9.8	10.0
(S) 170-190	.2	2.8	4.1	.3								7.4	10.1	10.0
200-220		2.1	1.4	.4	.1							4.1	10.1	9.0
230-250	.2	1.8	1.7	.8								4.4	10.3	10.5
(W) 260-280	.2	1.8	1.7	.3								4.0	9.4	9.5
290-310	.1	3.7	2.9	1.4								8.1	10.4	10.0
320-340	.7	5.3	2.8	.6								9.3	8.8	8.0

.....  
 VARIABLE .....  
 CALM // .1 //  
 TOTALS 4.1 45.6 40.7 9.3 .2 100.0 9.8 10.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 300  
 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: NOV HOURS: 15-17

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.6	4.7	2.8	1.1								9.1	9.6	8.5
020-040	.9	4.7	4.3	1.4								11.3	10.0	10.0
050-070	.4	9.0	7.9	1.1	.1							18.6	9.7	9.0
(E) 080-100	.7	3.3	7.2	.2								16.4	9.1	9.0
110-130	.7	4.0	2.8	.1								7.6	8.6	8.5
140-160	.3	2.2	1.2	.1								3.9	8.6	8.0
(S) 170-190	.1	4.0	1.6	.2								5.9	8.5	8.0
200-220	.3	1.4	1.6	.2								3.6	9.5	9.5
230-250	.6	1.9	.3									2.8	11.2	11.0
(W) 260-280	2.4	2.0	1.1									5.9	10.7	10.0
290-310	.6	4.6	3.0	.7								9.8	9.0	8.0
320-340	.4	4.1	1.4	.1								6.1	7.9	8.0

VARIABLE

CALM // .1 //

TOTALS 5.0 50.4 37.7 6.5 .2 100.0 9.4 9.0

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(M) 350-010	.4	5.0	3.6	.6								9.6	9.2	9.0
020-040	2.0	12.0	3.1	.4								17.6	7.6	7.0
050-070	1.2	18.4	1.8	.1								21.6	6.7	6.0
(E) 080-100	1.4	13.4	1.1									16.0	6.8	6.0
110-130	.4	5.3	.7									6.4	7.3	7.0
140-160	.7	2.9	.4									4.0	6.5	6.0
(S) 170-190	.6	1.3	.3	.1								2.3	6.9	6.0
200-220	.1	1.2	.6									1.9	8.4	8.0
230-250	.2	2.6	.3									3.1	7.1	7.0
(M) 260-280	.1	3.2	1.9	.3								5.6	8.8	8.5
290-310	.9	3.7	2.0	.1								6.7	7.8	8.0
320-340	.6	2.2	.8	.1								3.7	7.3	7.0

.....  
 VARIABLE .....  
 CALM // 1.7 //  
 TOTALS 8.6 71.2 16.6 1.7 100.0 7.3 7.0

.....  
 TOTAL NUMBER OF OBSERVATIONS 900  
 .....



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: NOV 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 65 TOTAL MEAN WIND % WIND MEDIAN WIND

(N) 350-010 2.6 10.1 2.4 15.1 7.2 7.0

020-050 4.2 10.9 .9 15.9 5.7 5.0

050-070 3.7 10.7 .1 14.4 5.5 6.0

(E) 080-100 2.6 6.7 1.0 10.2 6.1 6.0

110-130 1.1 6.3 .3 7.8 6.0 6.0

140-160 1.3 3.4 .6 5.3 6.2 6.0

(S) 170-190 .9 1.6 .3 .1 2.9 6.7 6.0

200-220 .4 1.7 .4 .1 2.7 7.8 7.0

230-250 1.3 2.3 .1 3.8 5.6 5.0

(W) 260-280 .9 3.7 .3 4.9 6.5 6.0

290-310 .8 3.6 1.3 5.7 7.6 8.0

320-340 .3 4.2 2.1 .2 6.9 8.2 8.0

VARIABLE

CALM // 4.4 //

TOTALS 20.1 65.2 9.6 .4 .1 100.0 6.1 6.0

TOTAL NUMBER OF OBSERVATIONS 900



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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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

(M) 350-010 2.1 10.9 7.3 1.3 10.2 6.9 6.0

020-040 3.2 4.6 1.9 .5 7.3 8.3 8.0

050-070 1.0 3.8 2.4 .2 4.8 8.2 8.0

(E) 080-100 1.1 1.8 1.9 3.7 7.0 6.0

110-130 .8 1.9 1.0 5.8 6.9 6.5

140-160 1.1 3.5 1.1 7.3 9.2 9.5

(S) 170-190 .5 3.2 3.5 6.2 7.7 8.0

200-220 1.3 2.6 2.4 4.6 6.8 7.0

230-250 .5 3.8 .3 3.7 6.6 6.0

(M) 260-280 1.0 2.1 .6 6.7 8.6 8.0

290-310 .3 4.2 1.8 .3 14.7 9.6 9.0

320-340 1.3 6.9 4.5

VARIABLE

CALM 3.4

TOTALS 14.2 49.3 28.7 4.4 .4 100.0 8.0 8.0

TOTAL NUMBER OF OBSERVATIONS 526

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST ID UTC: + 5 MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				6E 65
(N) 010-010	3.1	13.8	2.2	.1								19.1	6.5	6.0
020-040	2.4	5.6										8.0	5.3	5.0
050-070	2.0	3.7	.1									5.8	5.2	5.0
(E) 080-100	1.3	2.8	.2									4.3	5.8	6.0
110-130	1.2	2.3										3.4	5.1	5.0
140-160	2.0	2.8	.1									4.9	5.2	5.0
(S) 170-190	2.0	5.6	1.1									8.7	6.5	6.0
200-220	1.2	1.8	.2									3.2	5.8	6.0
230-250	2.4	2.8	.2									5.4	5.2	5.0
(W) 260-280	.9	3.1	.3									4.3	6.6	6.0
290-310	1.4	4.5	1.1	.1	.1							7.2	7.3	7.0
320-340	1.9	6.8	4.2	.8								13.7	8.4	8.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	11.9	//////////	//////////
TOTALS	21.8	55.6	9.7	1.0	.1							100.0	5.6	6.0
	TOTAL NUMBER OF OBSERVATIONS 930													

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	5.2	15.3	2.7	.2									23.3	6.6	6.0
020-040	3.4	6.0	.1										9.6	5.2	5.0
050-070	2.4	3.4											5.8	4.9	5.0
(E) 080-100	1.0	1.7											2.7	5.5	6.0
110-130	.8	1.8	.1										2.7	5.5	5.0
140-160	1.5	2.9	.5	.1									5.1	6.2	6.0
(S) 170-190	1.9	4.8	2.0	.1									8.9	6.8	6.0
200-220	1.3	1.7	.4										3.4	6.0	5.0
230-250	.6	2.2	.1										2.9	5.7	5.0
(N) 260-280	1.3	1.9	.6	.1									4.0	6.6	5.0
290-310	1.6	3.7	1.7	.2									7.2	7.1	6.0
320-340	1.9	7.8	4.3	.5									14.6	8.0	8.0
VARIABLE															
CALM	////////////////////										9.8	////////////////			
TOTALS	22.9	53.2	12.5	1.2									100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND				
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65			
(N) 350-010	5.2	14.9	2.9	.3								23.3	6.6	6.0			
020-040	3.7	6.5	.5									10.6	5.4	5.0			
050-070	2.5	3.1										5.6	5.1	5.0			
(E) 080-100	1.4	2.4										3.8	5.5	6.0			
110-130	1.0	1.5										2.5	5.2	5.0			
140-160	1.1	2.8	.4									4.3	6.5	6.0			
(S) 170-190	2.2	5.9	1.6	.1								9.8	6.9	6.0			
200-220	1.5	1.7	1.0	.1								4.3	7.1	6.0			
230-250	1.3	.2										2.2	4.6	4.0			
(M) 260-280	.4	1.1	.3	.2								2.0	7.3	6.0			
290-310	.8	3.0	1.8	.1								5.7	8.2	8.0			
320-340	2.2	3.7	4.4	.6								15.9	8.0	8.0			
VARIABLE	.....																
CALM	//////////////////// 10.0 //////////////////																
TOTALS	23.3	52.5	12.9	1.4											100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	65				
(N) 370-010	.9	10.6	7.0	.8									19.2	8.9	9.0
020-040	.9	7.4	2.5	.1									10.9	7.7	7.0
050-070	1.6	5.5	1.0										8.1	6.5	6.0
(E) 080-100	1.0	2.8	1.7	.1									5.6	8.1	8.0
110-130	.3	3.9	2.0	.2									6.5	8.7	8.0
140-160	.4	2.4	1.9	.3	.1								5.2	9.3	9.0
(S) 170-190	.6	3.2	4.7	1.7									10.3	10.8	11.0
200-220	.3	3.2	1.9	.6									6.1	9.6	9.0
230-250	.8	1.4	.5										2.7	6.8	7.0
(W) 260-280	.8	1.3	1.0	.5									3.5	9.0	8.0
290-310	.8	4.1	1.9	.5	.1								7.4	8.8	8.0
320-340	1.0	6.1	4.5	.5									12.2	8.9	9.0

VARIABLE .....  
 CALM // 2.4 //  
 TOTALS 9.4 51.9 30.6 5.3 .2 100.0 8.5 8.0

TOTAL NUMBER OF OBSERVATIONS 930





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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.6	3.9	3.7	1.1								9.2	9.7	10.0
020-040	.4	5.2	3.8	.9								10.2	9.3	9.0
050-070	.2	6.2	3.2	.6								10.3	9.1	9.0
(E) 080-100	.2	6.5	4.0	.2								11.7	9.2	9.0
110-130	.4	5.9	2.4	.3								9.0	8.7	8.0
140-160		2.2	1.2	.1								3.4	9.1	9.0
(S) 170-190	.2	2.9	4.5	.8	.2							8.6	10.5	10.0
200-220	.4	2.4	1.9	.1								4.8	8.5	8.0
230-250	.2	3.0	3.7	.2								7.1	9.8	10.0
(W) 260-280	.2	4.5	2.2	1.9	.1							8.9	10.3	9.0
290-310		5.3	2.8	.4	.1							8.6	9.1	8.0
320-340	1.5	4.1	1.3	.2								7.1	7.2	6.5
VARIABLE	.....													
CALM	////////////////////										.9	////////////////////		
TOTALS	4.3	52.1	35.5	6.8	.4							100.0	9.2	9.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.1	7.7	3.3	.6								12.8	8.3	8.0
020-040	2.3	10.2	1.8	.2								14.5	6.9	6.0
050-070	2.4	2.8	.5	.1								12.8	5.9	6.0
(E) 080-100	1.3	10.4	.5									12.3	6.5	6.0
110-130	.6	6.5	.9									8.0	7.0	7.0
140-160	.8	2.7	.3									3.8	6.2	6.0
(S) 170-190	1.0	2.3	.6	.1								4.1	6.9	6.0
200-220	.3	2.8	1.5									4.6	8.0	7.0
230-250	.5	3.7	1.0									5.2	7.4	7.5
(W) 260-280	1.1	3.7	1.7									6.5	7.8	8.0
290-310	1.0	3.4	1.2	.5								6.1	8.1	7.0
320-340	1.4	3.8	.6	.1								5.9	6.7	6.0

..... VARIABLE .....  
 CALM // 3.5 //  
 TOTALS 13.8 67.0 14.1 1.6 100.0 6.8 6.0

..... TOTAL NUMBER OF OBSERVATIONS 930 .....

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

DIRECTION (DEGREES)	STATION NUMBER: 722050					STATION NAME: ORLANDO IAP FLORIDA					PERIOD OF RECORD: NOV 78 - OCT 88			
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.4	13.2	2.9	.2								18.7	7.2	7.0
020-040	3.3	7.3	.9									11.5	5.8	5.0
050-070	2.8	5.7	.8									9.2	5.5	5.0
(E) 090-100	3.2	6.3	.3									9.9	5.3	5.0
110-130	1.3	5.4										6.7	5.9	6.0
140-160	1.2	2.8	.8									4.7	6.8	7.0
(S) 170-190	.8	3.0	.2	.2								4.2	6.7	6.0
200-220	.9	2.7	.4	.1								4.1	6.7	6.0
230-250	1.0	3.9	.5									5.4	6.5	6.0
(M) 260-280	1.0	3.1	.4									4.5	7.0	7.0
290-310	.6	4.6	1.6	.2	.1							7.2	8.1	8.0
320-340	.9	4.5	2.0	.3	.1							8.4	8.6	8.0

..... VARIABLE .....  
 CALM // 5.5 //  
 TOTALS 19.4 62.5 11.4 1.0 .2 100.0 6.3 6.0

..... TOTAL NUMBER OF OBSERVATIONS 930 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST. TO UTC: + 5 MONTH: DEC 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 65 TOTAL MEAN MEDIAN  
 (DEGREES) % WIND WIND

(N) 350-010 2.3 10.7 3.6 3.6 .6 17.2 7.6 7.0

020-040 2.1 6.6 1.5 .3 10.5 6.9 6.0

050-070 1.8 5.2 1.2 .1 .0 8.4 6.7 6.0

(E) 080-100 1.2 4.5 1.3 .1 7.2 7.2 6.0

110-130 .8 3.8 1.3 .2 6.1 7.7 7.0

140-160 .9 2.6 1.0 .1 .0 4.6 7.4 7.0

(S) 170-190 1.1 3.7 2.5 .7 .1 8.2 8.8 8.0

200-220 .8 2.4 1.3 .2 4.7 8.0 8.0

230-250 .9 2.5 1.1 .1 4.6 7.5 7.0

(W) 260-280 .9 2.5 1.1 .5 .0 4.9 8.6 8.0

290-310 .8 4.2 1.9 .4 .1 7.4 8.4 8.0

320-340 1.4 6.0 3.1 .4 .0 10.9 8.1 8.0

..... VARIABLE .....

CALM // 5.5 //

TOTALS 14.9 54.7 20.9 3.7 .2 100.0 7.3 7.0

..... TOTAL NUMBER OF OBSERVATIONS 7440 .....

OPERATING LOCATION: WAW  
 USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA  
 LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
 MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0500 METERS).  
 AND/OR

VISIBILITY GE 1/2 MILE (0500 METERS) BUT LESS THAN 3 MILES (4300 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 MEDIAN  
 WIND SPEED IN KNOTS % WIND WIND

(N) 350-010	2.3	12.9	4.5	.9						24.5	8.8	9.0
020-040	1.4	5.4	3.3	.7						11.3	8.9	9.0
050-070	.2	3.2	.4	.1						4.4	6.8	6.0
(E) 090-120	.5	1.4	1.0							3.0	7.6	7.0
110-130	.1	1.0								1.1	6.4	6.0
140-160	.3	1.6	.3	.3						2.4	7.9	6.0
(S) 170-190	.6	5.2	6.1	.6						12.5	9.4	10.0
200-220	.9	4.4	2.0	.1						7.4	8.2	8.0
230-250	.7	2.0	.4	.1						3.3	6.9	6.0
(W) 260-290	.7	2.0	1.5	.1						4.4	8.7	8.0
290-310	.7	6.8	2.0	.1						9.6	7.6	8.0
320-340	.9	7.2	4.1	.7						12.9	8.7	9.0

VARIABLE  
 CALM // 3.1 //  
 TOTALS 10.1 52.9 30.2 3.7 100.0 8.2 8.0

TOTAL NUMBER OF OBSERVATIONS 705

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST ID UIC: + 5 MONTH: ALL HOURS: ALL

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 SPEED IN KNOTS % WIND WIND

(N) 350-010	1.9	6.0	1.8	.2	.0	.0	.0	.0	.0	9.9	7.1	6.0
020-040	2.2	5.7	1.6	.2	.0	.0	.0	.0	.0	9.7	6.9	6.0
050-070	2.1	6.5	2.6	.4	.0	.0	.0	.0	.0	11.6	7.5	7.0
(E) 090-100	1.5	5.6	2.5	.3	.0	.0	.0	.0	.0	9.8	7.7	7.0
110-130	1.4	5.0	1.3	.2	.0	.0	.0	.0	.0	8.4	7.4	7.0
140-160	1.3	3.7	1.1	.2	.0	.0	.0	.0	.0	6.3	7.3	7.0
(S) 170-190	1.6	4.7	1.7	.4	.1	.0	.0	.0	.0	8.4	7.7	7.0
200-220	1.1	3.2	1.1	.3	.0	.0	.0	.0	.0	5.6	7.6	7.0
230-250	1.2	3.6	1.3	.3	.1	.0	.0	.0	.0	6.5	7.8	7.0
(W) 260-280	1.0	3.0	1.4	.5	.1	.0	.0	.0	.0	6.0	8.6	8.0
290-310	1.1	3.7	1.6	.4	.1	.0	.0	.0	.0	6.9	8.0	7.0
320-340	1.1	3.8	1.4	.2	.0	.0	.0	.0	.0	6.4	7.4	7.0

..... VARIABLE .....

CALM // 4.4 //

TOTALS 17.5 54.5 19.9 3.6 .4 100.0 7.2 7.0

..... TOTAL NUMBER OF OBSERVATIONS: 87667 .....

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

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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 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 SPEED IN KNOTS % WIND WIND

(N) 350-010 1.6 9.2 5.8 .8 .0 .1 17.6 8.7 8.0

020-040 1.4 5.8 2.5 .5 .0 .0 .0 10.3 8.2 7.0

050-070 1.2 4.1 1.4 .3 .0 .0 7.0 7.5 7.0

(E) 080-100 .9 1.7 1.0 .4 .0 .0 4.1 8.2 7.0

110-130 .7 1.8 1.1 .3 .1 4.0 8.6 8.0

140-160 1.0 3.0 1.3 .4 .0 5.7 8.2 7.0

(S) 170-190 1.1 4.5 4.5 .9 .0 .0 11.1 9.4 9.0

200-220 .8 3.6 2.0 .5 .1 7.0 8.6 8.0

230-250 1.0 3.7 1.3 .3 .2 6.6 8.0 7.0

(W) 260-280 .8 2.5 1.1 .5 .1 5.0 8.7 8.0

290-310 1.0 4.5 2.0 .4 .0 .0 7.9 8.2 8.0

320-340 1.3 5.3 3.2 .5 .0 10.3 8.4 8.0

VARIABLE

CALM // 3.4 //

TOTALS 12.8 49.7 27.2 5.8 .5 .1 100.0 8.2 8.0

TOTAL NUMBER OF OBSERVATIONS: 5096





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). TO DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

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

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

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

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

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

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

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

0/8.....CLEAR

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

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

8/8.....OVERCAST

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



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JAN HOURS: 03-05

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

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	49.8	51.3	52.8	55.3	55.8	55.8	56.8	57.0	57.0	57.5	57.6	57.6	58.2	58.2	58.2	58.5
GE 20000	53.7	55.5	58.2	60.9	61.4	61.4	62.4	62.6	62.6	63.2	63.3	63.3	63.9	63.9	63.9	64.2
GE 18000	53.7	55.5	58.2	60.9	61.4	61.4	62.4	62.6	62.6	63.2	63.3	63.3	63.9	63.9	63.9	64.2
GE 16000	53.7	55.5	58.2	60.9	61.4	61.4	62.4	62.6	62.6	63.2	63.3	63.3	63.9	63.9	63.9	64.2
GE 14000	53.7	55.5	58.2	60.9	61.4	61.4	62.4	62.6	62.6	63.2	63.3	63.3	63.9	63.9	63.9	64.2
GE 12000	54.1	55.9	58.6	61.3	61.8	61.8	62.8	63.0	63.0	63.7	63.8	63.8	64.3	64.3	64.3	64.6
GE 10000	55.7	57.5	60.4	63.1	63.7	63.7	64.0	64.8	64.8	65.5	65.6	65.6	66.1	66.1	66.1	66.5
GE 9000	56.6	58.4	61.3	64.0	64.5	64.5	65.5	65.7	65.7	66.3	66.5	66.5	67.0	67.0	67.0	67.3
GE 8000	57.4	59.2	62.4	65.3	65.8	65.8	66.8	67.0	67.0	67.6	67.7	67.7	68.3	68.3	68.3	68.6
GE 7000	58.4	60.3	63.4	66.3	67.1	67.1	68.1	68.3	68.3	68.9	69.0	69.0	69.6	69.6	69.6	69.9
GE 6000	59.2	61.2	64.3	67.2	68.0	68.0	68.9	69.1	69.1	69.8	69.9	69.9	70.4	70.4	70.4	70.8
GE 5000	62.0	64.2	67.4	70.4	71.2	71.2	72.2	72.4	72.4	73.0	73.1	73.1	73.7	73.7	73.7	74.0
GE 4500	62.8	64.9	68.4	71.5	72.3	72.3	73.2	73.4	73.4	74.1	74.2	74.2	74.7	74.7	74.7	75.1
GE 4000	63.9	66.0	69.6	72.7	73.4	73.4	74.4	74.7	74.7	75.4	75.5	75.5	76.0	76.0	76.0	76.3
GE 3500	64.2	66.5	70.0	73.1	73.9	73.9	74.8	75.2	75.2	75.8	75.9	75.9	76.5	76.5	76.5	76.8
GE 3000	67.1	69.4	73.1	76.3	77.2	77.2	78.2	78.5	78.5	79.1	79.2	79.2	79.8	79.8	79.8	80.1
GE 2500	68.2	70.4	74.4	77.7	78.3	78.3	79.3	80.1	80.1	80.9	81.0	81.0	81.5	81.5	81.5	81.8
GE 2000	68.6	71.0	75.2	78.7	79.8	79.8	80.3	81.1	81.1	81.8	81.9	81.9	82.5	82.5	82.5	82.8
GE 1900	68.9	71.4	75.6	79.1	80.2	80.2	81.2	81.5	81.5	82.3	82.4	82.4	82.9	82.9	82.9	83.2
GE 1500	69.1	71.6	75.9	79.5	80.6	80.6	81.6	81.9	81.9	82.8	82.9	82.9	83.4	83.4	83.4	83.8
GE 1200	70.1	72.6	77.1	80.6	81.8	81.8	82.9	83.2	83.2	84.1	84.2	84.2	84.7	84.7	84.7	85.1
GE 1000	70.6	73.4	78.3	81.3	83.0	83.0	84.1	84.4	84.4	85.3	85.4	85.4	85.9	85.9	85.9	86.2
GE 900	71.0	73.9	79.0	82.7	84.0	84.0	85.2	85.5	85.5	86.5	86.6	86.6	87.1	87.1	87.1	87.4
GE 800	71.3	74.5	79.8	83.4	84.7	84.7	85.9	86.5	86.5	87.3	87.4	87.4	88.0	88.0	88.0	88.3
GE 700	71.6	74.8	80.1	83.8	85.1	85.1	86.3	86.9	86.9	87.7	87.8	87.8	88.4	88.4	88.4	88.7
GE 600	72.2	75.7	81.3	85.1	86.7	86.7	87.2	88.6	88.6	89.1	89.1	89.2	90.8	90.8	90.8	91.1
GE 500	72.2	75.7	81.4	85.3	87.0	87.0	87.5	89.1	89.1	89.8	89.9	89.9	91.4	91.4	91.4	91.7
GE 400	72.2	75.7	81.6	85.5	87.3	87.3	88.1	90.0	90.0	91.0	91.0	91.0	92.6	92.6	92.6	92.9
GE 300	72.3	75.9	82.2	86.0	88.8	88.8	91.5	92.3	92.3	93.5	93.7	93.7	94.2	94.2	94.2	94.7
GE 200	72.3	75.9	82.2	86.0	89.0	89.0	91.8	93.0	93.0	94.4	94.9	94.9	95.5	95.5	95.5	96.2
GE 100	72.3	75.9	82.2	86.0	89.0	89.0	91.8	93.4	93.4	94.9	95.7	95.7	96.2	96.2	96.2	97.8
GE 000	72.3	75.9	82.2	86.0	89.0	89.0	91.3	93.4	93.4	94.9	95.7	95.7	96.2	96.2	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	36.9	41.8	45.2	49.0	49.5	49.9	50.0	50.1	50.4	50.9	50.9	51.6	51.6	51.8	52.5	
GE 20000	40.5	46.2	50.3	54.0	56.1	56.5	56.6	56.7	56.7	57.0	57.4	58.2	58.2	58.4	59.0	
GE 18000	40.5	46.2	50.3	54.0	56.1	56.5	56.6	56.7	56.7	57.0	57.4	58.2	58.2	58.4	59.0	
GE 16000	40.5	46.2	50.3	54.0	56.1	56.5	56.6	56.7	56.7	57.0	57.4	58.2	58.2	58.4	59.0	
GE 14000	40.5	46.2	50.3	54.0	56.1	56.5	56.6	56.7	56.7	57.0	57.4	58.2	58.2	58.4	59.0	
GE 12000	40.9	46.6	50.6	54.4	56.6	56.9	57.0	57.1	57.4	57.8	57.8	58.6	58.6	58.8	59.5	
GE 10000	42.7	48.7	53.0	56.8	58.9	59.2	59.6	59.7	59.7	60.0	60.4	61.2	61.2	61.4	62.0	
GE 9000	43.1	49.2	53.2	57.3	59.5	59.8	60.1	60.2	60.2	60.5	61.0	61.7	61.7	61.9	62.6	
GE 8000	44.0	50.5	54.9	58.9	61.1	61.4	61.8	61.9	61.9	62.3	62.7	63.4	63.4	63.7	64.3	
GE 7000	45.3	52.5	57.0	61.0	63.1	63.5	64.0	64.1	64.4	64.8	65.6	65.6	65.6	65.8	66.5	
GE 6000	45.8	53.0	57.5	61.5	63.8	64.2	64.6	64.7	65.1	65.5	66.2	66.2	66.2	66.5	67.1	
GE 5000	47.3	55.1	59.8	63.9	66.1	66.7	67.1	67.2	67.5	68.0	68.0	68.7	68.7	68.9	69.6	
GE 4500	48.3	56.7	61.5	65.9	68.0	68.5	69.4	69.0	69.4	69.8	69.8	70.5	70.5	70.8	71.4	
GE 4000	49.7	57.8	62.9	67.4	69.5	69.9	70.3	70.4	70.8	71.2	71.2	71.9	71.9	72.2	72.8	
GE 3500	50.3	58.5	63.5	67.6	70.0	70.5	71.0	71.1	71.4	71.8	71.8	72.6	72.6	72.8	73.4	
GE 3000	51.7	60.2	65.7	70.1	72.6	73.1	73.7	73.9	74.1	74.5	74.5	75.3	75.3	75.6	76.2	
GE 2500	52.7	61.6	67.3	71.7	74.3	74.8	75.4	75.5	75.8	76.2	76.2	77.0	77.0	77.3	78.0	
GE 2000	53.7	62.7	68.4	72.9	75.5	76.0	76.6	76.7	77.0	77.4	77.4	78.2	78.2	78.5	79.1	
GE 1800	54.0	63.1	68.8	73.3	75.9	76.5	77.0	77.1	77.4	77.8	77.8	78.6	78.6	78.9	79.6	
GE 1500	54.9	64.2	70.1	74.7	77.3	77.8	78.4	78.5	78.9	79.4	79.4	80.1	80.1	80.4	81.1	
GE 1200	56.2	65.8	71.8	75.5	79.0	79.6	80.1	80.2	80.6	81.1	81.1	81.9	81.9	82.3	82.9	
GE 1000	56.9	66.7	72.7	77.4	80.0	80.5	81.1	81.2	81.6	82.0	82.0	82.9	82.9	83.2	83.9	
GE 900	57.6	67.5	73.8	78.5	81.1	81.6	82.4	82.5	82.9	83.3	83.3	84.2	84.2	84.5	85.2	
GE 800	58.1	68.2	74.6	79.4	82.0	82.6	83.4	83.5	84.0	84.4	84.4	85.3	85.3	85.6	86.2	
GE 700	58.4	68.6	75.3	80.0	83.0	83.5	84.5	84.7	85.2	85.6	85.6	86.5	86.5	86.8	87.4	
GE 600	58.7	69.1	76.1	80.9	84.2	84.8	85.8	86.2	86.7	87.1	87.1	88.0	88.0	88.3	88.9	
GE 500	59.8	69.4	76.3	81.1	84.5	85.2	86.5	87.1	87.5	88.0	88.0	88.8	88.8	89.1	89.8	
GE 400	59.9	69.5	76.5	81.3	85.1	85.7	87.4	88.3	88.9	89.4	89.4	90.2	90.2	90.5	91.2	
GE 300	59.0	69.6	76.6	81.4	85.3	85.9	88.0	89.2	89.2	90.2	90.6	91.7	91.7	92.2	92.9	
GE 200	59.0	69.6	76.6	81.5	85.4	86.1	88.5	89.8	89.8	91.2	91.7	93.0	93.0	93.7	94.6	
GE 100	59.0	69.6	76.6	81.5	85.4	86.1	88.5	89.9	89.9	91.4	92.3	94.0	94.0	95.7	97.1	
GE 000	59.0	69.6	76.6	81.5	85.4	86.1	88.5	89.9	89.9	91.4	92.3	94.1	94.1	96.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.0	46.7	49.6	51.0	51.4	51.5	51.5	51.7	51.7	51.8	51.9	51.9	51.9	51.9	51.9
GE 20000	51.6	54.7	58.3	60.2	60.8	60.9	61.0	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4
GE 18000	51.6	54.7	58.3	60.2	60.8	60.9	61.0	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4
GE 16000	51.6	54.7	58.3	60.2	60.8	60.9	61.0	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4
GE 14000	52.2	55.3	58.9	60.9	61.4	61.5	61.6	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.0
GE 12000	52.6	55.8	59.5	61.5	62.0	62.2	62.3	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7
GE 10000	53.8	57.1	61.1	63.1	63.7	63.8	63.9	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.3
GE 9000	55.4	58.7	62.7	64.7	65.3	65.4	65.5	65.7	65.7	65.8	65.9	65.9	65.9	65.9	65.9
GE 8000	57.2	60.6	64.9	67.1	67.7	67.8	68.1	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.5
GE 7000	59.1	62.6	67.2	69.4	70.1	70.2	70.4	70.6	70.6	70.9	71.0	71.0	71.0	71.0	71.0
GE 6000	59.5	63.0	67.6	69.8	70.5	70.6	70.9	71.1	71.1	71.3	71.4	71.4	71.4	71.4	71.4
GE 5000	61.2	64.8	69.6	71.7	72.5	72.7	72.9	73.1	73.1	73.3	73.4	73.4	73.4	73.4	73.4
GE 4500	61.8	65.5	70.2	72.4	73.2	73.4	73.8	74.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3
GE 4000	62.7	66.5	71.3	73.8	74.6	74.8	75.3	75.5	75.5	75.7	75.8	75.9	75.9	75.9	75.9
GE 3500	63.4	67.2	72.0	74.6	75.5	75.7	76.1	76.3	76.3	76.6	76.7	76.8	76.8	76.8	76.8
GE 3000	64.4	68.2	73.0	75.7	76.7	76.9	77.3	77.5	77.5	77.7	77.8	78.0	78.0	78.0	78.0
GE 2500	66.1	69.9	74.7	77.4	78.4	78.6	79.1	79.4	79.4	79.7	79.8	79.9	79.9	79.9	79.9
GE 2000	67.3	71.1	76.1	78.8	79.8	80.0	80.6	80.9	81.2	81.3	81.3	81.4	81.4	81.4	81.4
GE 1800	68.2	72.2	77.2	79.9	80.9	81.1	81.8	82.0	82.0	82.4	82.5	82.6	82.6	82.6	82.6
GE 1500	69.5	73.5	78.6	81.4	82.5	82.7	83.5	83.8	84.1	84.2	84.2	84.3	84.3	84.3	84.3
GE 1200	71.2	75.6	80.9	83.7	84.8	85.1	86.0	86.2	86.6	86.7	86.7	86.8	86.8	86.8	86.8
GE 1000	71.8	76.3	81.6	84.5	85.7	85.9	87.0	87.2	87.5	87.6	87.6	87.7	87.7	87.7	87.7
GE 900	72.3	77.0	82.3	85.4	86.7	87.0	88.1	88.3	88.4	88.9	89.0	89.1	89.1	89.1	89.1
GE 800	72.6	77.3	82.7	85.9	87.2	87.5	88.6	88.7	88.9	89.5	89.6	89.7	89.7	89.7	89.7
GE 700	73.1	78.1	83.9	87.2	88.6	89.9	90.0	90.4	90.6	91.2	91.3	91.4	91.4	91.4	91.4
GE 600	73.2	78.2	84.0	87.4	89.4	89.8	91.3	91.8	92.2	92.7	92.8	92.9	92.9	92.9	92.9
GE 500	73.2	78.4	84.3	87.8	89.9	90.5	92.5	93.1	93.4	94.1	94.2	94.3	94.3	94.3	94.3
GE 400	73.2	78.4	84.5	88.2	90.2	90.9	93.4	94.2	94.5	95.5	95.6	95.9	95.9	95.9	95.9
GE 300	73.2	78.4	84.5	88.2	90.4	91.1	94.1	95.2	95.5	96.5	96.8	97.2	97.2	97.4	97.4
GE 200	73.2	78.4	84.5	88.2	90.4	91.1	94.2	95.3	95.6	96.8	97.1	97.8	97.8	98.1	98.1
GE 100	73.2	78.4	84.5	88.2	90.4	91.1	94.2	95.3	95.6	96.8	97.2	98.3	98.3	99.5	99.6
GE 000	73.2	78.4	84.5	88.2	90.4	91.1	94.2	95.3	95.6	96.8	97.2	98.3	98.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE				
	7	6	5	4	3	2	1 1/2	2	1 1/2	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	48.2	48.7	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 20000	59.8	61.2	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 18000	59.8	61.2	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 16000	59.9	61.3	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 14000	60.0	61.4	62.0	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	60.3	61.7	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 10000	62.2	63.7	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 9000	64.1	65.6	66.3	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 8000	66.0	67.8	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 7000	67.0	69.1	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
GE 6000	67.3	69.5	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 5000	68.6	70.9	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4500	70.2	72.6	73.5	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 4000	71.9	74.6	75.7	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 3500	73.5	76.2	77.3	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3000	77.4	80.1	81.3	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2500	80.3	83.2	84.4	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2000	82.4	85.4	86.6	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1800	83.2	86.2	87.4	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
GE 1500	84.4	87.5	88.7	89.2	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1200	85.5	89.4	91.1	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1000	85.8	89.7	91.6	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 900	85.9	90.1	92.0	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 800	85.9	90.3	92.5	93.4	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 700	86.0	90.5	92.9	93.9	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 600	86.1	90.8	93.4	94.6	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 500	86.2	91.1	94.0	95.2	95.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 400	86.2	91.1	94.1	95.4	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 300	86.2	91.1	94.1	95.4	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 200	86.2	91.1	94.1	95.4	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 100	86.2	91.1	94.1	95.4	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 000	86.2	91.1	94.1	95.4	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: JAN HOURS: 15-17

CEILING IN FEET	PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS														
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE					
	7	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 20000	62.6	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 18000	62.7	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 16000	62.7	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 14000	63.0	63.5	63.5	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 12000	64.2	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 10000	66.2	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 9000	68.3	68.9	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 8000	69.6	70.2	70.3	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 7000	71.0	71.7	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 6000	71.7	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 5000	74.7	75.6	75.7	75.8	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4500	76.7	77.5	77.6	77.8	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 4000	78.3	79.6	79.7	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3500	80.2	81.6	81.7	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3000	83.7	85.3	85.4	85.6	85.7	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2500	86.6	88.3	88.4	88.6	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2000	88.1	90.1	90.3	90.5	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	88.4	90.5	90.6	91.0	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1500	88.6	90.8	91.0	91.2	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1200	89.4	91.7	91.9	92.2	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1000	89.7	92.5	92.8	93.1	94.1	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 900	90.1	93.0	93.7	94.1	95.3	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	90.2	93.3	94.4	94.8	96.0	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 700	90.3	93.5	94.7	95.4	96.6	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	90.4	93.7	95.2	95.9	97.2	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	90.6	93.9	95.5	96.3	97.7	98.1	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	90.6	93.9	95.5	96.3	97.7	98.1	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	90.6	93.9	95.5	96.3	97.7	98.2	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	90.6	93.9	95.5	96.3	97.8	98.2	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	90.6	93.9	95.5	96.3	97.9	98.2	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	90.6	93.9	95.5	96.3	97.5	98.2	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 910



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: OKLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JAN HOURS: 18-20

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 20000	63.1	64.8	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 18000	63.1	64.8	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 16000	63.1	64.8	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 14000	63.1	64.8	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 12000	63.8	65.5	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 10000	64.5	66.2	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 9000	66.2	68.1	68.3	68.9	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 8000	68.9	71.1	71.3	71.6	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 7000	70.8	73.4	73.8	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 6000	71.0	73.7	74.0	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 5000	72.9	75.9	76.2	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 4500	74.3	77.3	77.6	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 4000	76.5	79.5	79.8	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3500	78.6	82.2	82.5	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3000	81.9	85.6	86.1	86.5	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2500	82.3	86.6	87.2	87.6	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2000	83.4	87.4	88.2	88.5	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1900	83.9	88.0	88.7	89.1	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1500	84.9	89.4	90.3	90.8	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1200	85.4	90.2	91.2	91.6	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1000	85.7	90.9	91.3	92.5	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 900	86.1	91.3	92.3	92.9	93.4	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	86.5	91.6	92.8	93.5	94.1	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 700	86.6	91.8	93.0	94.2	94.7	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 600	86.8	92.0	93.7	94.8	95.4	96.0	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	86.9	92.4	94.1	95.4	96.2	97.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	86.9	92.4	94.1	95.5	96.3	97.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	86.9	92.4	94.1	95.7	96.5	97.5	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	86.9	92.4	94.1	95.7	96.8	97.5	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	86.9	92.4	94.1	95.7	96.8	97.5	98.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	86.9	92.4	94.1	95.7	96.8	97.5	98.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	58.5	59.6	59.0	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 20000	63.9	65.1	65.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 18000	63.9	65.1	65.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 16000	63.9	65.1	65.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 14000	63.9	65.1	65.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 12000	64.1	65.3	65.9	66.0	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 10000	65.7	66.9	67.5	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 9000	67.5	68.7	69.4	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 8000	70.4	71.7	72.6	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 7000	72.0	73.8	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 6000	72.5	74.2	75.3	75.6	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 5000	74.0	75.7	76.8	77.1	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 4500	75.3	77.1	78.3	78.6	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 4000	76.7	78.5	79.7	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
GE 3500	79.9	80.8	82.0	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3000	81.6	83.5	84.9	85.5	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 2500	82.6	84.5	85.9	86.5	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 2000	83.9	85.8	87.2	87.6	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1800	84.1	86.0	87.4	88.1	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1500	84.4	86.3	87.7	88.4	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 1200	85.0	86.1	87.5	88.1	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1000	86.3	87.5	88.9	89.6	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 900	86.7	88.9	90.0	90.6	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 800	87.2	89.5	91.2	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 700	87.4	89.7	91.6	92.6	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 600	87.6	89.9	91.9	92.8	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 500	87.6	90.0	92.2	93.2	93.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 400	87.6	90.1	92.6	93.9	94.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 300	87.7	90.2	92.7	94.1	94.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 200	87.7	90.2	92.7	94.1	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 100	87.7	90.2	92.7	94.1	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 000	87.7	90.2	92.7	94.1	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFELAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72200      STATION NAME: OLANO'S IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5      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 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.5	57.6	59.5	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
GE 20000	54.7	55.0	57.1	57.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
GE 15000	54.7	55.0	57.1	57.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
GE 14000	54.7	55.0	57.1	57.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
GE 12000	55.5	55.8	58.1	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8
GE 10000	55.7	57.5	57.5	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
GE 9000	57.7	57.3	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.4
GE 8000	59.7	71.5	73.7	74.4	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.9
GE 7000	61.5	72.4	74.4	75.5	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	76.0
GE 6000	62.0	72.0	75.3	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4
GE 5000	62.4	73.9	76.2	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
GE 4500	62.7	75.4	76.2	77.5	76.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	78.2
GE 4000	64.2	76.3	75.9	75.9	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3
GE 3500	64.5	76.8	79.4	80.1	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
GE 3000	65.2	78.8	81.2	82.7	82.5	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.2
GE 2500	67.1	79.9	82.3	83.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.5
GE 2000	67.7	82.1	85.3	86.2	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0
GE 1500	68.7	82.2	85.5	86.7	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
GE 1000	69.7	83.7	87.4	88.3	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3
GE 500	70.0	84.1	88.5	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6
GE 400	70.9	86.5	89.7	90.2	90.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3
GE 300	71.4	88.3	89.6	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.5
GE 200	72.0	85.2	90.3	91.4	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	93.2
GE 100	72.0	86.1	90.3	91.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	93.6
GE 50	72.1	88.5	91.4	92.5	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.2
GE 40	72.1	88.5	91.4	92.5	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.2
GE 30	72.1	88.5	91.4	92.5	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.6
GE 20	72.1	88.5	91.4	92.5	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	96.7
GE 10	72.1	88.5	91.4	92.5	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	97.6
GE 0	72.1	88.5	91.4	92.5	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	98.8
GE 000	72.1	88.5	91.4	92.5	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 349

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES													
	7	5	5	4	3	2 1/2	2	1 1/2	1 1/4	1				
NO CFIL	41.3	43.2	44.2	50.3	51.6	51.7	51.9	51.9	52.2	52.4	52.4	52.5	52.8	53.1
GE 2000	46.6	45.8	54.4	55.2	57.5	57.9	57.7	57.8	58.1	58.3	58.3	58.4	58.7	59.0
GE 1800	46.2	43.1	54.4	55.2	57.5	57.9	57.7	57.8	58.1	58.3	58.3	58.4	58.7	59.0
GE 1600	45.6	45.5	54.4	55.2	57.5	57.9	57.7	57.8	58.1	58.3	58.3	58.4	58.7	59.0
GE 1400	45.8	45.8	54.4	55.2	57.5	57.9	57.7	57.8	58.1	58.3	58.3	58.4	58.7	59.0
GE 1200	47.3	49.0	55.6	57.4	53.7	58.8	58.9	59.0	59.2	59.5	59.5	59.6	59.8	60.2
GE 1000	49.2	51.4	57.0	58.9	60.2	60.3	60.4	60.5	60.8	61.0	61.0	61.1	61.4	61.7
GE 900	50.2	52.4	51.2	59.9	61.4	61.5	61.6	61.7	62.0	62.2	62.2	62.3	62.5	62.9
GE 800	53.0	55.2	61.4	63.1	64.5	64.7	64.8	64.9	65.1	65.4	65.4	65.5	65.7	66.1
GE 700	54.9	57.2	63.5	65.5	67.0	67.1	67.3	67.4	67.6	67.8	67.8	68.0	68.2	68.6
GE 600	55.4	57.7	64.0	66.0	67.5	67.6	67.7	67.8	68.1	68.3	68.3	68.4	68.7	69.0
GE 500	55.0	59.4	65.7	67.7	69.3	69.4	69.5	69.6	69.8	70.1	70.1	70.2	70.4	70.8
GE 450	58.3	61.0	67.4	69.7	71.3	71.4	71.5	71.6	71.8	72.1	72.1	72.2	72.4	72.8
GE 400	59.7	62.4	69.9	71.3	72.5	72.6	72.7	72.8	73.4	73.6	73.6	73.7	74.0	74.3
GE 350	60.1	63.0	69.5	71.8	73.4	73.5	73.6	73.7	74.0	74.2	74.2	74.3	74.6	74.9
GE 300	62.1	65.0	71.6	74.2	75.7	75.9	76.0	76.1	76.3	76.6	76.6	76.7	76.9	77.3
GE 250	63.5	66.4	73.4	75.7	77.3	77.4	77.5	77.6	77.9	78.1	78.1	78.2	78.4	78.8
GE 200	64.2	67.3	74.3	77.0	78.6	78.7	78.8	78.9	79.2	79.4	79.4	79.5	79.7	80.1
GE 180	64.9	68.0	75.1	78.1	79.8	79.9	80.0	80.1	80.2	80.4	80.4	80.6	80.8	81.2
GE 150	64.4	69.5	76.9	80.2	81.7	81.8	81.9	82.0	82.3	82.6	82.6	82.7	82.9	83.3
GE 120	67.4	70.4	78.4	81.7	83.3	83.4	83.5	83.6	84.0	84.2	84.2	84.3	84.6	84.9
GE 100	67.9	70.6	78.9	82.1	83.6	83.7	83.8	83.9	84.3	84.6	84.6	84.7	84.9	85.3
GE 90	68.3	71.4	77.7	83.3	84.7	84.8	84.9	85.0	85.4	86.1	86.1	86.2	86.5	86.8
GE 80	68.4	71.6	80.1	83.5	85.3	85.4	85.5	85.6	86.3	86.6	86.6	86.7	86.9	87.3
GE 70	69.7	71.8	80.4	84.0	85.6	85.7	85.8	85.9	86.8	87.0	87.0	87.2	87.4	87.8
GE 60	68.0	72.2	81.2	84.9	86.6	86.7	86.8	86.9	88.0	88.2	88.2	88.3	88.6	88.9
GE 50	68.4	72.2	81.5	85.9	87.6	87.7	87.8	87.9	89.5	89.8	89.8	89.9	90.1	90.5
GE 40	68.9	72.2	81.6	86.2	88.5	88.6	88.7	88.8	90.1	91.0	91.0	91.2	91.5	91.9
GE 30	68.9	72.4	81.9	86.5	88.9	89.0	89.1	89.2	92.5	92.8	92.8	93.1	93.4	93.8
GE 20	68.9	72.4	81.9	86.7	89.0	89.1	89.2	89.3	94.0	94.5	94.5	95.4	95.9	96.3
GE 10	68.9	72.4	81.9	86.7	89.0	89.1	89.2	89.3	94.2	94.7	94.7	96.5	97.3	98.2
GE 000	68.9	72.4	81.9	86.7	89.0	89.1	89.2	89.3	94.2	94.7	94.7	96.6	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM MONTHLY OBSERVATIONS

PERIOD OF RECORD: NOV 78 - OCT 88  
MONTH: FEB HOURS: 06-08

STATION NUMBER: 722050 STATION NAME: OAKLAND JAP FLORIDA  
LST TO UTC: + 5

CEILING VISIBILITY IN STATUTE MILES

IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	29.4	35.8	41.1	43.3	46.1	46.3	47.5	47.6	47.9	48.1	48.1	48.5	48.5	49.6	49.8
GE 20000	33.0	40.5	45.3	46.0	51.7	52.1	53.5	53.7	54.1	54.3	54.3	54.9	54.9	55.9	56.2
GE 18000	33.0	40.5	45.3	46.5	51.7	52.1	53.5	53.7	54.1	54.3	54.3	54.9	54.9	55.9	56.2
GE 16000	33.0	40.5	45.3	48.0	51.7	52.1	53.5	53.7	54.1	54.3	54.3	54.9	54.9	55.9	56.2
GE 14000	33.0	40.5	46.3	48.5	51.7	52.1	53.5	53.7	54.1	54.3	54.3	54.9	54.9	55.9	56.2
GE 12000	33.5	41.0	47.0	48.4	52.4	52.8	54.2	54.4	54.8	55.0	55.0	55.6	55.6	56.7	56.9
GE 10000	34.5	42.0	48.1	50.4	53.5	53.9	55.4	55.5	55.9	56.2	56.2	56.8	56.8	57.8	58.1
GE 9000	35.3	43.0	49.7	52.1	55.1	55.7	57.1	57.4	57.7	58.0	58.0	58.5	58.5	59.6	59.8
GE 8000	37.3	43.5	52.2	54.5	57.6	58.2	59.5	59.5	59.5	60.4	60.4	61.0	61.0	62.1	62.3
GE 7000	38.2	47.7	54.3	56.3	60.0	60.5	62.0	62.3	62.8	63.0	63.0	63.6	63.6	64.7	64.9
GE 6000	39.5	47.9	54.7	57.1	60.3	60.8	62.3	62.7	63.1	63.4	63.4	64.0	64.0	65.0	65.3
GE 5000	39.3	48.3	55.5	58.1	61.2	61.8	63.3	63.8	64.1	64.3	64.3	64.9	64.9	66.0	66.2
GE 4500	40.2	49.7	56.3	59.2	62.3	63.4	64.3	65.1	65.6	65.8	66.4	66.4	67.5	67.7	
GE 4000	41.7	51.0	58.2	61.0	64.3	64.9	66.3	66.7	67.1	67.4	67.4	68.0	68.0	69.0	69.3
GE 3500	42.3	52.5	59.0	62.2	66.1	66.7	68.1	68.4	68.9	69.1	69.1	69.7	69.7	70.8	71.0
GE 3000	44.5	54.7	62.2	65.0	68.4	69.0	70.4	70.8	71.4	71.6	71.6	72.2	72.2	73.3	73.6
GE 2500	45.0	55.5	63.4	66.2	69.7	70.3	71.7	72.1	72.7	72.9	72.9	73.5	73.5	74.6	74.9
GE 2000	46.2	56.4	64.5	67.5	71.3	71.8	73.3	73.7	74.3	74.6	74.6	75.1	75.1	76.2	76.6
GE 1800	46.7	57.2	65.6	68.3	72.4	73.0	74.4	74.9	75.5	75.7	75.7	76.3	76.3	77.5	77.9
GE 1500	47.5	58.0	65.9	70.3	74.0	74.6	76.0	76.4	77.0	77.3	77.3	77.9	77.9	79.0	79.4
GE 1200	48.4	58.4	64.0	71.4	75.1	75.7	77.1	77.6	78.2	78.4	78.4	79.0	79.0	80.2	80.6
GE 1000	45.7	59.4	63.7	72.3	76.2	76.9	78.4	78.9	79.6	79.9	79.9	80.4	80.4	81.6	82.0
GE 900	49.2	60.0	67.7	73.3	77.1	77.7	79.5	80.1	80.4	81.2	81.2	81.9	81.9	83.0	83.4
GE 800	49.4	60.2	70.1	73.7	77.9	78.6	80.7	81.2	81.3	82.4	82.4	83.2	83.2	84.3	84.7
GE 700	49.4	60.3	70.2	73.9	78.3	79.2	81.3	81.7	81.9	83.2	83.2	83.9	83.9	85.0	85.4
GE 600	49.4	60.4	70.7	74.3	79.0	79.8	82.1	82.4	82.7	84.0	84.0	84.7	84.7	85.9	86.2
GE 500	49.5	60.7	70.9	74.7	79.6	80.3	82.9	83.0	83.1	85.4	85.4	86.1	86.1	87.3	87.6
GE 400	49.5	61.0	71.3	75.4	80.5	81.1	83.4	83.5	83.6	88.0	88.0	88.7	88.7	89.9	90.2
GE 300	49.6	61.1	71.4	75.5	81.2	81.4	83.7	83.7	83.8	89.4	89.4	90.3	90.3	91.8	92.1
GE 200	49.6	61.1	71.4	75.5	81.3	81.4	83.7	83.7	83.8	90.1	90.7	92.0	92.0	93.6	94.2
GE 100	49.6	61.1	71.4	75.5	81.3	81.4	83.7	83.8	83.9	91.3	91.3	93.1	93.1	95.5	96.3
GE 000	49.5	61.1	71.4	75.5	81.3	81.4	83.7	83.8	83.9	91.4	91.4	93.4	93.4	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 240

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM DAILY OBSERVATIONS

STATION NUMBER: 72290 STATION NAME: OKLAHOMA IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 6 MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 8	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	39.6	41.0	43.3	44.4	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.5	45.5	45.5	45.5	45.5
GE 20000	47.9	51.7	53.2	54.3	55.1	55.2	55.2	55.2	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6
GE 18000	47.4	51.7	53.2	54.3	55.1	55.2	55.2	55.2	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6
GE 16000	47.0	51.7	53.2	54.3	55.1	55.2	55.2	55.2	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6
GE 14000	48.1	51.8	53.4	54.4	55.2	55.4	55.4	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7
GE 12000	48.4	52.2	53.7	54.9	55.7	55.8	55.8	55.8	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2
GE 10000	50.2	54.1	55.9	56.3	57.7	57.8	57.8	57.8	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2
GE 9000	52.1	56.1	57.7	58.2	59.2	59.2	59.2	59.2	60.0	60.2	60.2	60.3	60.3	60.3	60.3	60.3
GE 8000	53.4	58.2	59.8	61.0	62.0	62.2	62.2	62.2	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5
GE 7000	53.7	58.2	59.8	61.3	64.2	64.4	64.4	64.4	64.5	64.7	64.7	64.8	64.8	64.8	64.8	64.8
GE 6000	55.9	59.3	62.1	63.5	64.4	64.5	64.7	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0
GE 5000	56.8	61.4	63.1	64.5	65.5	65.6	65.7	65.7	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1
GE 4500	57.5	62.2	64.0	65.2	66.2	66.3	66.3	66.3	66.9	67.1	67.1	67.3	67.3	67.3	67.3	67.3
GE 4000	59.1	64.2	66.0	67.7	69.0	69.1	69.4	69.4	69.4	69.6	69.6	69.7	69.7	69.7	69.7	69.7
GE 3500	60.4	65.7	67.5	69.4	70.9	71.1	71.4	71.4	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7
GE 3000	62.3	67.6	69.5	71.4	73.1	73.4	73.5	73.5	73.7	73.9	73.9	74.0	74.0	74.0	74.0	74.0
GE 2500	64.1	69.5	71.4	73.3	75.0	75.3	75.6	75.6	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0
GE 2000	65.2	71.1	73.0	75.4	77.1	77.4	77.7	77.7	77.7	78.0	78.0	78.1	78.1	78.1	78.1	78.1
GE 1800	66.7	72.4	74.3	76.7	78.4	78.7	79.0	79.0	79.0	79.3	79.3	79.4	79.4	79.4	79.4	79.4
GE 1500	69.0	74.9	77.6	79.7	81.5	81.7	82.2	82.2	82.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6
GE 1200	70.4	76.8	79.9	82.0	84.1	84.3	84.3	84.3	84.3	85.0	85.0	85.2	85.2	85.2	85.2	85.2
GE 1000	71.3	77.9	81.0	83.2	85.4	85.7	85.7	85.7	85.7	86.6	86.6	86.7	86.7	86.7	86.7	86.7
GE 900	71.8	78.3	82.2	84.3	86.9	87.4	87.4	87.4	87.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7
GE 800	72.4	79.5	83.5	85.7	88.7	89.3	89.3	89.3	89.3	90.7	90.7	90.8	90.8	90.8	90.8	90.8
GE 700	72.4	79.6	83.7	86.2	89.4	90.1	90.1	90.1	90.1	92.3	92.3	92.5	92.5	92.5	92.5	92.5
GE 600	72.8	80.3	84.5	87.0	90.5	91.2	91.2	91.2	91.2	93.6	93.6	93.8	93.8	93.8	93.8	93.8
GE 500	72.9	80.4	84.5	87.5	91.4	92.2	92.2	92.2	92.2	96.1	96.1	96.2	96.2	96.2	96.2	96.2
GE 400	72.9	80.4	84.5	87.5	91.4	92.3	92.3	92.3	92.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6
GE 300	72.9	80.4	84.5	87.5	91.6	92.6	92.6	92.6	92.6	98.0	98.0	98.2	98.2	98.2	98.2	98.2
GE 200	72.9	80.4	84.6	87.6	91.6	92.6	92.6	92.6	92.6	98.4	98.4	98.7	98.7	98.7	98.7	98.7
GE 100	72.9	80.4	84.6	87.6	91.5	92.6	92.6	92.6	92.6	98.4	98.4	98.7	98.7	98.7	98.7	98.7
GE 000	72.9	80.4	84.6	87.6	91.6	92.6	92.6	92.6	92.6	98.4	98.4	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS: 349

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES													
	7	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	3/8	1/4	0
NO CFIL	39.0	39.7	40.0	40.0	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 20000	53.6	54.9	55.2	55.2	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 18000	53.6	54.9	55.2	55.2	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 16000	53.6	54.9	55.2	55.2	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 14000	53.2	55.1	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 12000	54.7	55.9	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 10000	56.5	57.5	58.3	58.4	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 9000	56.7	59.1	59.5	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 8000	60.5	62.1	62.3	63.0	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 7000	62.1	64.1	65.1	65.4	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 6000	62.9	64.9	66.0	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 5000	64.1	66.2	67.3	67.5	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 4500	66.4	68.2	69.1	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4000	68.4	71.7	73.0	73.3	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 3500	72.3	74.9	76.3	76.6	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 3000	77.5	80.3	82.1	82.3	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 2500	81.2	84.6	86.5	86.3	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2000	83.5	87.3	89.9	90.0	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1800	84.3	88.2	90.7	91.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1500	85.3	89.8	92.2	92.7	93.2	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	86.5	91.4	94.2	94.8	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	86.5	91.8	94.7	95.4	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	86.5	91.9	95.1	95.9	97.5	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	86.5	92.0	95.3	96.2	97.9	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	86.7	92.1	95.4	96.5	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	86.8	92.2	95.8	96.4	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	86.3	92.3	95.9	96.7	98.7	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	86.3	92.5	96.0	97.1	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.3	92.5	96.0	97.1	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.8	92.5	96.0	97.1	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.8	92.5	96.0	97.1	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.3	92.5	96.0	97.1	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 840



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA  
MONTH: FEB HOURS: 15-17

PERIOD OF RECORD: NOV 78 - OCT 88

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 1/2	GE 3/8	GE 1/4	GE 0
NR CEIL	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 20000	58.4	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
GE 18000	58.4	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 16000	58.4	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 14000	58.4	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 12000	58.4	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 10000	60.1	60.7	60.7	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 9000	61.7	62.3	62.3	62.3	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 8000	65.1	65.7	65.7	65.7	65.7	65.7	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 7000	67.5	68.3	68.3	68.3	68.3	68.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 6000	69.4	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 5000	71.0	71.4	71.4	71.4	71.4	71.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4500	74.1	74.9	74.9	74.9	74.9	74.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4000	78.7	77.5	77.5	77.5	77.5	77.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 3500	82.0	83.2	83.2	83.2	83.2	83.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 3000	85.5	87.9	87.9	87.9	87.9	87.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2500	88.1	90.0	91.3	91.5	92.0	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2000	89.5	92.1	93.5	93.7	94.3	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1800	90.3	92.5	94.3	94.6	95.1	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1500	90.8	93.5	95.1	95.4	96.0	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	91.2	94.0	95.6	96.2	96.8	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	91.3	94.2	95.9	96.9	97.2	97.4	97.3	97.7	97.9	97.9	97.9	97.9	97.9
GE 900	91.3	94.2	95.9	96.7	97.2	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	91.3	94.2	96.2	97.2	97.8	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	91.3	94.3	96.3	97.3	97.9	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	91.4	94.5	96.7	97.5	98.2	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	91.3	94.9	97.2	98.1	98.7	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	91.3	94.9	97.2	98.1	98.7	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	91.8	94.9	97.2	98.1	98.7	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.8	94.9	97.2	98.1	98.7	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.8	94.9	97.2	98.1	98.7	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	91.7	94.9	97.2	98.1	98.7	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
 LST ID UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.2	53.5	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 2000	64.7	65.2	63.7	68.3	65.9	65.9	65.9	65.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 1800	64.7	65.2	63.7	68.3	65.9	65.9	65.9	65.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 1500	64.7	65.2	63.7	68.3	65.9	65.9	65.9	65.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 1400	64.7	65.2	63.7	68.3	65.9	65.9	65.9	65.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 1200	65.7	69.3	69.7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 1000	66.3	70.0	71.0	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 900	67.0	73.0	73.0	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 800	72.0	76.0	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 700	73.5	73.4	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 600	74.4	79.5	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 500	76.3	82.0	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 450	78.0	83.4	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
GE 400	79.3	84.7	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3500	80.4	85.9	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 3000	82.0	87.8	88.5	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2500	84.2	90.2	91.2	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2000	84.7	91.4	92.5	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800	84.9	91.6	92.7	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 1500	85.2	92.1	93.2	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	86.1	93.2	94.3	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1000	86.5	93.6	95.1	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 900	86.7	94.0	95.6	96.2	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	86.7	94.0	95.5	96.2	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 700	87.0	94.3	96.2	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	87.2	94.5	96.6	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	87.3	94.9	97.1	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	87.4	95.1	97.2	97.7	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	87.4	95.1	97.2	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 200	87.4	95.1	97.2	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 100	87.4	95.1	97.2	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 000	87.4	95.1	97.2	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 240

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

STATION NUMBER: 722050  
 STATION NAME: ORLANDO IAP FLORIDA  
 LST TO UTC: + 5  
 PERIOD OF RECORD: NOV 78 - OCT 88  
 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	GE 3/4	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.5	57.0	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 20000	66.9	65.1	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 18000	66.9	63.1	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 16000	66.9	63.1	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 14000	66.9	63.1	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 12000	67.6	69.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 10000	69.3	70.7	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 9000	70.7	72.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 8000	73.0	74.4	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 7000	74.4	76.0	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 6000	75.0	76.5	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 5000	76.2	77.7	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4500	77.1	78.7	80.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4000	78.3	79.9	81.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 3500	80.0	81.5	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 3000	81.2	82.8	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 2500	83.6	85.3	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2000	85.0	86.7	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1800	85.3	86.9	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 1500	86.6	88.3	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1200	88.3	90.1	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	89.6	91.6	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 900	90.0	92.1	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 800	90.3	92.5	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 700	90.3	92.5	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 500	90.5	92.7	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 500	90.5	92.6	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 400	90.6	92.9	95.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 300	90.5	92.9	95.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 200	90.5	92.0	96.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 100	90.6	92.9	96.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 000	90.5	92.4	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 249

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
 LIST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
 MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES													
	7	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	43.6	46.5	48.5	49.2	49.8	50.0	50.0	50.1	50.1	50.2	50.2	50.3	50.4	50.5
GE 20000	53.2	57.0	59.1	59.9	60.6	60.5	60.9	61.0	61.1	61.1	61.1	61.2	61.3	61.4
GE 13000	53.2	57.0	59.1	59.9	60.6	60.5	60.9	61.0	61.1	61.1	61.1	61.2	61.3	61.4
GE 16000	53.2	57.0	59.1	59.9	60.6	60.5	60.9	61.0	61.1	61.1	61.1	61.2	61.3	61.4
GE 14000	53.3	57.0	59.2	59.9	60.6	60.5	60.9	61.0	61.1	61.1	61.1	61.2	61.4	61.5
GE 12000	54.0	57.2	60.0	60.7	61.4	61.5	61.7	61.8	61.9	61.9	61.9	62.0	62.2	62.3
GE 10000	55.4	59.3	61.5	62.3	63.0	63.3	63.4	63.5	63.5	63.5	63.6	63.6	63.8	63.9
GE 9000	57.0	61.0	63.2	64.0	64.5	64.5	65.1	65.2	65.3	65.3	65.4	65.4	65.6	65.7
GE 8000	59.5	63.7	66.1	66.9	67.7	68.0	68.1	68.2	68.3	68.3	68.4	68.4	68.5	68.6
GE 7000	61.1	65.5	68.1	69.0	69.8	70.2	70.3	70.4	70.5	70.5	70.6	70.6	70.7	70.8
GE 6000	61.7	66.1	68.7	69.7	70.5	70.5	70.9	71.0	71.1	71.1	71.2	71.2	71.3	71.4
GE 5000	63.0	67.6	70.3	71.2	72.0	72.3	72.4	72.5	72.6	72.6	72.7	72.7	72.9	73.0
GE 4500	64.3	69.1	71.5	72.4	73.7	74.1	74.2	74.3	74.4	74.4	74.5	74.5	74.6	74.7
GE 4000	66.3	71.2	74.0	75.1	76.0	76.3	76.4	76.4	76.6	76.6	76.7	76.7	76.9	77.0
GE 3500	67.9	72.9	75.8	76.9	77.6	77.9	78.3	78.3	78.5	78.5	78.6	78.6	78.8	78.8
GE 3000	70.3	75.5	78.6	79.7	80.8	81.2	81.3	81.4	81.5	81.5	81.6	81.6	81.7	81.8
GE 2500	72.2	77.7	80.7	82.0	83.1	83.2	83.2	83.7	83.8	83.8	84.0	84.0	84.1	84.2
GE 2000	73.4	79.3	82.7	84.0	85.1	85.3	85.9	85.7	85.9	85.9	86.0	86.0	86.2	86.3
GE 1500	74.0	79.9	83.5	84.8	85.9	86.0	86.4	86.5	86.7	86.7	86.8	86.8	87.0	87.1
GE 1500	75.0	81.1	84.8	86.1	87.5	88.0	88.1	88.1	88.3	88.3	88.4	88.4	88.6	88.7
GE 1200	76.0	82.2	86.3	87.8	89.0	89.5	89.7	89.7	89.9	89.9	90.0	90.0	90.2	90.3
GE 1000	76.5	82.9	87.1	88.6	89.9	90.2	90.2	90.5	91.0	91.0	91.1	91.1	91.3	91.4
GE 900	76.4	83.4	87.9	89.3	90.6	90.9	91.5	91.7	91.9	91.9	92.0	92.0	92.2	92.3
GE 800	77.1	83.7	88.1	89.6	91.3	91.6	92.5	92.5	92.8	92.8	92.9	92.9	93.1	93.2
GE 700	77.2	83.9	88.4	90.2	91.3	92.0	93.1	93.1	93.4	93.4	93.5	93.5	93.7	93.8
GE 600	77.4	84.1	88.9	90.7	92.3	93.5	93.7	93.3	94.0	94.1	94.2	94.2	94.3	94.4
GE 500	77.5	84.4	89.3	91.3	93.1	93.5	94.7	95.0	95.4	95.4	95.5	95.5	95.7	95.8
GE 400	77.5	84.5	89.5	91.5	93.6	94.5	95.7	95.9	96.3	96.3	96.4	96.4	96.6	96.7
GE 300	77.5	84.5	89.5	91.5	93.6	94.5	95.7	96.2	96.3	97.0	97.1	97.1	97.4	97.5
GE 200	77.5	84.5	89.5	91.5	93.6	94.5	95.7	96.4	96.5	97.2	97.5	97.9	98.2	98.3
GE 100	77.5	84.5	89.5	91.5	93.6	94.5	95.3	96.5	97.4	97.6	98.2	98.2	98.8	99.1
GE 000	77.5	84.5	89.5	91.5	93.6	94.5	95.3	96.5	97.4	97.7	98.3	98.3	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 722650      STATION NAME: ORLANDO TAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5      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 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.9	60.9	61.9	63.1	53.3	63.9	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.3	64.4
GE 20000	59.7	64.3	59.7	71.1	71.5	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.3	72.4
GE 18000	59.7	58.3	69.7	71.1	71.5	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.3	72.4
GE 16000	59.7	64.3	69.7	71.1	71.5	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.3	72.4
GE 14000	59.7	60.3	69.7	71.1	71.5	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.3	72.4
GE 12000	59.3	69.7	70.1	71.5	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.7	72.8
GE 10000	60.9	69.4	71.2	72.6	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.7	73.7	73.8	73.9
GE 9000	62.3	71.2	72.7	74.1	74.5	74.5	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.3	75.4
GE 8000	63.5	73.9	74.5	76.1	77.0	77.0	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.4	77.5
GE 7000	65.2	75.2	77.1	79.7	79.6	79.6	79.8	79.8	79.8	79.8	79.9	79.9	79.9	80.0	80.1
GE 6000	65.7	75.8	77.1	79.4	80.4	80.4	80.5	80.5	80.5	80.6	80.6	80.8	80.8	80.9	81.0
GE 5000	67.0	77.4	80.0	81.0	82.7	82.7	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.1	83.2
GE 4500	67.0	74.3	80.4	82.0	83.1	83.1	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.5	83.7
GE 4000	69.0	79.3	82.0	83.7	84.7	84.7	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.3	85.4
GE 3500	70.4	81.3	83.7	85.3	86.3	86.3	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.9	87.0
GE 3000	71.4	82.8	85.3	86.0	87.0	87.0	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.5	87.6
GE 2500	72.6	83.9	86.9	87.9	89.7	89.7	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.3
GE 2000	73.2	84.6	87.7	89.2	90.6	90.6	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.3	91.4
GE 1800	74.3	85.3	88.9	90.3	91.8	91.8	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.5	92.6
GE 1500	74.9	85.8	90.0	91.2	92.9	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.7
GE 1200	75.7	87.5	90.8	92.3	93.9	93.9	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.5	94.6
GE 1000	76.5	88.3	91.9	93.2	94.9	94.9	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.4	95.5
GE 900	76.6	89.4	91.9	93.3	95.2	95.2	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.9	96.0
GE 800	77.1	89.1	93.1	94.5	96.3	96.3	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.6	97.7
GE 700	77.3	89.7	93.8	95.0	96.8	96.8	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.6
GE 600	77.6	90.0	94.4	95.6	97.4	97.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.1
GE 500	77.7	90.1	94.5	95.7	97.5	97.5	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.4	99.5
GE 400	77.7	90.1	94.5	95.7	97.5	97.5	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.5	99.6
GE 300	77.7	90.1	94.5	95.7	97.5	97.5	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.8	99.9
GE 200	77.7	90.1	94.5	95.7	97.5	97.5	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.8	99.9
GE 100	77.7	90.1	94.5	95.7	97.5	97.5	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.8	99.9
GE 000	77.7	90.1	94.5	95.7	97.5	97.5	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS: 730



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 76 - OCT 88  
LST TO UTC: + 5 MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17	GE 18	GE 19	GE 20	GE 21	GE 22
NO CEIL	36.2	42.0	47.3	49.6	51.3	51.0	53.4	54.1	54.2	54.7	54.9	54.9	55.4	55.4	55.8	56.2
GE 2000	41.7	49.4	54.6	57.0	59.0	60.0	61.7	62.4	62.9	63.0	63.2	63.2	63.7	63.7	64.1	64.5
GE 1800	41.7	49.4	54.6	57.0	59.0	60.0	61.7	62.4	62.9	63.0	63.2	63.2	63.7	63.7	64.1	64.5
GE 1600	41.7	49.4	54.6	57.0	59.0	60.0	61.7	62.4	62.9	63.0	63.2	63.2	63.7	63.7	64.1	64.5
GE 1400	41.7	49.4	54.6	57.0	59.0	60.0	61.7	62.4	62.9	63.0	63.2	63.2	63.7	63.7	64.1	64.5
GE 1200	41.7	49.4	54.6	57.0	59.0	60.0	61.7	62.4	62.9	63.0	63.2	63.2	63.7	63.7	64.1	64.5
GE 1000	44.0	52.0	57.5	59.9	62.7	62.9	64.7	65.5	65.9	66.1	66.3	66.3	66.8	66.8	67.2	67.6
GE 900	45.3	53.7	59.1	61.5	64.3	64.5	66.3	67.1	67.2	67.7	68.0	68.0	68.4	68.4	68.8	69.2
GE 800	44.3	54.7	60.4	62.8	65.9	66.1	67.9	68.7	68.9	69.5	69.7	69.7	70.1	70.1	70.5	71.0
GE 700	47.4	54.7	63.0	65.7	68.4	68.6	71.0	71.8	71.9	72.5	72.7	72.7	73.1	73.1	73.5	74.0
GE 600	48.0	57.2	63.8	66.3	69.4	69.6	71.5	72.5	72.6	73.1	73.3	73.3	73.8	73.8	74.2	74.6
GE 500	49.9	59.1	65.7	68.9	71.5	71.9	73.5	74.5	74.7	75.4	75.6	75.6	76.0	76.0	76.5	76.9
GE 400	50.2	60.0	66.2	69.7	72.2	72.2	73.9	74.9	75.0	75.4	75.6	75.9	76.3	76.3	77.7	78.2
GE 300	50.3	60.6	67.3	70.4	73.5	74.0	75.0	75.7	76.0	76.7	77.7	77.7	78.2	78.2	78.7	79.1
GE 200	52.0	62.2	68.9	72.2	75.5	75.0	77.7	78.6	79.7	79.5	79.7	79.7	80.1	80.1	80.6	81.1
GE 100	53.0	63.5	70.3	73.0	77.3	77.7	79.7	80.5	80.5	81.4	81.6	81.6	82.0	82.0	82.6	83.0
GE 2500	53.9	64.7	72.0	75.7	79.1	79.6	81.0	82.4	82.9	83.2	83.4	83.4	83.9	83.9	84.4	84.8
GE 2000	54.0	65.0	72.2	75.9	79.1	79.6	81.0	82.4	82.9	83.2	83.4	83.4	83.9	83.9	84.4	84.8
GE 1800	54.7	65.9	73.2	76.9	80.4	81.0	82.4	83.8	84.3	84.6	84.6	84.6	85.3	85.3	85.8	86.2
GE 1500	56.0	67.6	75.2	78.9	82.5	83.0	84.4	85.8	86.3	86.7	86.9	86.9	87.3	87.3	87.8	88.3
GE 1200	57.2	69.2	76.6	80.4	84.3	84.8	86.0	87.4	87.9	88.6	88.8	88.8	89.2	89.2	89.8	90.2
GE 1000	57.7	69.4	77.3	81.3	85.7	85.7	87.0	88.5	89.0	89.4	89.6	89.6	90.0	90.0	90.5	91.0
GE 900	58.1	70.2	78.0	82.3	86.7	86.7	88.0	89.5	90.0	90.5	90.8	90.8	91.2	91.2	91.7	92.2
GE 800	58.5	71.1	79.6	83.9	88.1	88.1	89.4	90.9	91.4	91.8	92.0	92.0	92.5	92.5	93.0	93.4
GE 700	59.4	71.7	79.6	83.9	88.1	88.1	89.4	90.9	91.4	91.8	92.0	92.0	92.5	92.5	93.0	93.4
GE 600	59.3	72.3	80.1	84.5	88.7	88.7	90.0	91.5	92.0	92.4	93.7	93.7	94.1	94.1	94.6	95.1
GE 500	59.4	72.4	80.3	84.9	89.1	89.1	90.4	91.9	92.4	92.8	94.5	94.5	94.9	94.9	95.5	95.9
GE 400	59.5	72.4	80.3	84.9	89.1	89.1	90.4	91.9	92.4	92.8	94.5	94.5	94.9	94.9	95.5	95.9
GE 300	59.7	72.4	80.3	84.9	89.1	89.1	90.4	91.9	92.4	92.8	94.5	94.5	94.9	94.9	95.5	95.9
GE 200	59.8	72.4	80.3	84.9	89.1	89.1	90.4	91.9	92.4	92.8	94.5	94.5	94.9	94.9	95.5	95.9
GE 100	59.9	72.4	80.3	84.9	89.1	89.1	90.4	91.9	92.4	92.8	94.5	94.5	94.9	94.9	95.5	95.9
GE 600	59.2	72.4	80.3	84.9	89.1	89.1	90.4	91.9	92.4	92.8	94.5	94.5	94.9	94.9	95.5	95.9

TOTAL NUMBER OF OBSERVATIONS 337

OPERATING LOCATION "AW"  
 USAFETAC, ASHEVILLE, NC

STATION NUMBER: 72250 STATION NAME: UNLANO MAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: 4 5 MONTH: MAR HOURS: 09-11

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	7	5	4	3	2 1/4	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	48.7	51.0	52.0	52.6	52.5	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1
50	57.6	60.1	61.7	62.9	62.0	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1
60	57.5	60.0	61.6	62.8	62.0	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1
70	57.3	60.0	61.9	62.7	62.0	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.3
80	57.3	60.0	61.9	62.7	62.0	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.3
90	57.3	60.0	61.9	62.7	62.0	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.3
100	57.3	60.0	61.9	62.7	62.0	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	64.1
1200	60.0	62.1	64.2	65.0	65.0	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1
1500	61.5	64.1	66.2	67.1	67.3	67.9	67.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8
2000	62.7	65.3	67.4	68.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	69.0
3000	64.3	67.5	69.3	70.3	70.3	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6
4000	65.3	68.1	70.3	71.2	71.5	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
5000	66.0	68.7	72.3	73.2	73.3	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
6000	67.5	71.0	73.5	74.5	74.5	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6
7000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
8000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
9000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
10000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
12000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
15000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
20000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
30000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
40000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
50000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
60000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
70000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
80000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
90000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
100000	68.2	72.3	74.4	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
TOTAL	100.0	100.0	100.0	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: 336



OPERATING LOCATION \*A\*  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST IC UTC: + 5 MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES													
	7	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	45.8	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 2000	59.7	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 1800	59.7	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 1600	59.7	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 1400	59.8	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 1200	60.6	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 1000	62.4	65.6	65.6	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 900	63.3	66.6	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 800	65.7	69.0	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 700	66.7	70.0	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 600	66.7	70.0	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 5000	68.4	71.8	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 4500	70.4	73.9	75.1	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4000	74.3	77.8	79.1	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3500	79.7	83.3	84.6	84.7	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 3000	83.5	87.3	88.7	88.8	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2500	87.1	91.5	93.1	93.3	93.7	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2000	88.3	92.7	94.5	94.8	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1800	88.6	93.1	94.9	95.3	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	89.4	94.0	95.8	96.1	96.6	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	89.7	94.3	96.1	96.5	96.9	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	89.7	94.3	96.1	96.5	96.9	97.2	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	89.8	94.4	96.2	96.7	97.1	97.5	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	90.1	94.8	96.7	97.1	97.5	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	90.1	94.8	96.7	97.1	97.5	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	90.1	94.9	96.8	97.2	97.6	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	90.1	94.9	96.9	97.4	97.8	98.4	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	90.1	94.9	96.9	97.4	97.8	98.4	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	90.1	94.9	96.9	97.4	98.0	98.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	90.1	94.9	96.9	97.4	98.0	98.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	90.1	94.9	96.9	97.4	98.0	98.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	90.1	94.9	96.9	97.4	98.0	98.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 730



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: MAR HOURS: 18-20

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

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	56.3	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 20000	69.9	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 18000	69.9	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 16000	69.9	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 14000	70.1	73.9	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 12000	70.8	74.5	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 10000	73.5	77.5	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 9000	75.7	79.9	80.4	80.5	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 8000	77.6	82.0	82.6	82.8	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 7000	78.8	83.2	83.8	84.0	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 6000	79.2	83.8	84.3	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 5000	81.4	86.0	86.6	86.9	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 4500	82.8	87.5	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 4000	84.8	89.9	90.4	90.8	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 3500	86.1	91.4	92.2	92.5	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 3000	87.3	92.7	93.4	93.8	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 2500	88.2	93.9	94.8	95.3	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 2000	88.6	94.4	95.4	95.8	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 1800	88.9	94.7	95.7	96.1	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 1500	89.0	94.8	95.8	96.2	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 1200	89.5	95.3	96.3	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	89.5	95.4	96.5	96.9	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 900	89.5	95.4	96.5	96.9	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 800	89.6	95.5	96.6	97.0	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 700	89.6	95.5	96.6	97.0	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 600	89.6	95.5	96.6	97.0	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 500	89.6	95.5	96.7	97.1	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 400	89.7	95.7	96.9	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 300	89.7	95.7	96.9	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 200	89.7	95.7	96.9	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 100	89.7	95.7	96.9	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 000	89.7	95.7	96.9	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATION

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	63.4	64.1	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 20000	73.1	74.0	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	74.9
GE 18000	73.1	74.0	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	74.9
GE 16000	73.1	74.0	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	74.9
GE 14000	73.1	74.0	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	74.9
GE 12000	73.7	74.5	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 10000	75.6	76.5	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
GE 9000	77.7	78.7	79.6	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 8000	78.6	79.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 7000	79.9	81.2	82.2	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 6000	80.0	81.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 5000	81.7	83.3	84.4	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 4500	83.2	84.8	86.0	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 4000	84.4	86.1	87.5	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 3500	85.0	87.8	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3000	88.0	89.8	91.3	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 2500	89.5	91.3	93.2	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 2000	90.0	91.8	93.9	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 1800	90.3	92.2	94.3	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
GE 1500	90.8	92.6	94.8	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1200	91.2	93.0	95.5	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
GE 1000	91.3	93.2	95.7	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
GE 900	91.4	93.3	95.8	96.6	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 800	91.8	93.8	96.2	97.0	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 700	92.0	94.1	96.7	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	92.2	94.2	97.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	92.6	94.6	97.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	92.7	94.7	97.7	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	92.9	94.9	98.0	99.0	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 200	92.9	94.9	98.0	99.0	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 100	92.9	94.9	98.0	99.0	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 000	92.9	94.9	98.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAR HOURS: ALL

NO	PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY														
	7	6	5	4	3	2 1/2	2	1 1/2	1	3/4	5/8	1/2	3/8	1/4	0
CEILING	.....														
IN	VISIBILITY IN STATUTE MILES														
FEET	.....														
NO CEIL	50.2	53.2	54.7	55.6	56.1	56.4	56.5	56.5	56.7	56.7	56.7	56.8	56.8	56.9	57.0
GE 20000	60.3	64.1	65.9	66.9	67.6	67.9	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.3	68.5
GE 18000	60.3	64.1	66.0	66.9	67.6	68.0	68.1	68.1	68.2	68.3	68.3	68.3	68.4	68.4	68.6
GE 16000	60.3	64.1	66.0	66.9	67.6	68.0	68.1	68.1	68.2	68.3	68.3	68.3	68.4	68.4	68.6
GE 14000	60.4	64.2	66.0	67.0	67.7	68.1	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.5	68.6
GE 12000	61.0	64.8	66.7	67.6	68.3	68.4	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.2	69.3
GE 10000	62.9	66.9	68.3	69.9	70.6	71.0	71.1	71.1	71.2	71.3	71.3	71.4	71.4	71.4	71.6
GE 9000	64.3	68.5	70.5	71.5	72.3	72.7	72.8	72.8	72.9	73.0	73.0	73.1	73.1	73.1	73.3
GE 8000	65.8	70.1	72.3	73.4	74.1	74.2	74.5	74.7	74.8	74.9	74.9	74.9	74.9	75.0	75.1
GE 7000	67.2	71.9	74.1	75.2	76.0	76.1	76.5	76.6	76.7	76.8	76.8	76.9	76.9	76.9	77.1
GE 6000	67.5	72.1	74.5	75.6	76.5	76.5	77.0	77.1	77.2	77.2	77.2	77.3	77.3	77.4	77.5
GE 5000	69.3	74.1	76.6	77.3	78.6	78.7	79.1	79.2	79.4	79.4	79.4	79.5	79.5	79.6	79.7
GE 4500	70.6	75.4	78.0	79.3	80.2	80.6	80.7	80.7	80.9	80.9	80.9	81.0	81.0	81.1	81.2
GE 4000	72.6	77.6	80.2	81.5	82.4	82.5	83.0	83.0	83.2	83.2	83.2	83.3	83.3	83.4	83.5
GE 3500	75.0	80.1	82.8	84.2	85.1	85.2	85.7	85.7	85.9	85.9	85.9	86.0	86.0	86.1	86.2
GE 3000	76.9	82.2	85.0	86.5	87.4	87.5	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.4	88.6
GE 2500	78.6	84.0	87.2	88.3	89.3	89.9	90.4	90.6	90.8	90.8	90.8	90.9	90.9	91.0	91.1
GE 2000	79.3	84.9	88.1	89.8	90.8	91.0	91.5	91.6	91.6	91.9	91.9	91.9	91.9	92.0	92.2
GE 1800	79.8	85.4	88.7	90.4	91.5	91.6	92.1	92.3	92.5	92.5	92.5	92.6	92.6	92.7	92.8
GE 1500	80.6	86.4	89.7	91.5	92.5	92.7	93.2	93.4	93.4	93.6	93.6	93.7	93.7	93.8	93.9
GE 1200	81.5	87.4	90.8	92.6	93.7	93.9	94.4	94.7	94.9	94.9	94.9	95.0	95.0	95.1	95.2
GE 1000	81.9	87.7	91.1	93.1	94.2	94.4	94.9	95.2	95.4	95.5	95.5	95.6	95.6	95.6	95.8
GE 900	82.1	88.0	91.5	93.5	94.7	94.9	95.5	95.8	96.0	96.0	96.0	96.1	96.1	96.2	96.3
GE 800	82.4	88.4	92.0	94.1	95.4	95.6	96.3	96.6	96.8	96.8	96.8	96.9	96.9	97.0	97.1
GE 700	82.6	88.8	92.5	94.6	95.9	96.2	96.9	97.2	97.4	97.4	97.4	97.5	97.5	97.6	97.7
GE 600	82.8	89.0	92.7	94.9	96.3	96.5	97.3	97.6	97.8	97.9	97.9	98.0	98.0	98.1	98.2
GE 500	82.9	89.1	93.0	95.2	96.6	97.0	97.8	98.2	98.4	98.5	98.5	98.6	98.6	98.7	98.8
GE 400	83.0	89.2	93.1	95.3	96.8	97.2	98.2	98.5	98.8	98.9	98.9	99.0	99.0	99.1	99.2
GE 300	83.0	89.2	93.1	95.4	96.9	97.2	98.3	98.6	99.1	99.2	99.2	99.3	99.3	99.4	99.5
GE 200	83.0	89.2	93.1	95.4	96.9	97.3	98.4	98.8	99.2	99.2	99.2	99.4	99.4	99.5	99.6
GE 100	83.0	89.2	93.1	95.4	96.9	97.3	98.4	98.8	99.2	99.3	99.3	99.5	99.5	99.6	99.7
GE 000	83.0	89.2	93.1	95.4	96.9	97.3	98.4	98.8	99.2	99.3	99.3	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: APR HOURS: 00-02

NO	CEIL	VISIBILITY IN STATUTE MILES															
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0	
GE 20000	68.7	79.3	81.0	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	
GE 18000	68.7	79.3	81.0	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	
GE 16000	68.7	79.3	81.0	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	
GE 14000	68.7	79.4	81.1	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	
GE 12000	69.1	80.1	81.9	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.2	
GE 10000	70.1	81.1	82.9	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.2	
GE 9000	70.8	81.9	83.7	84.4	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	85.1	85.2	
GE 8000	71.2	82.7	84.4	85.2	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.9	86.0	
GE 7000	71.9	83.7	85.6	86.3	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	87.0	87.1	
GE 6000	72.2	84.0	85.9	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.3	87.4	
GE 5000	72.9	84.9	86.3	87.0	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.2	88.3	
GE 4500	73.7	85.8	87.7	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.2	89.3	
GE 4000	74.0	86.3	88.3	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.9	90.0	
GE 3500	74.8	87.2	89.3	90.2	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.9	91.0	
GE 3000	75.6	88.2	90.4	91.3	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	92.0	92.1	
GE 2500	76.2	89.1	91.6	92.4	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	93.1	93.2	
GE 2000	76.7	89.7	92.3	93.2	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.9	94.0	
GE 1800	77.2	90.2	92.9	93.8	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.6	94.7	
GE 1500	78.0	91.0	94.0	95.0	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.8	95.9	
GE 1200	78.4	91.7	94.9	96.1	96.3	96.3	96.4	96.5	96.5	96.5	96.6	96.6	96.7	96.7	96.9	97.0	
GE 1000	78.6	92.0	95.6	96.9	97.0	97.0	97.1	97.2	97.2	97.2	97.3	97.3	97.4	97.4	97.7	97.8	
GE 900	79.1	92.6	96.1	97.4	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.3	98.4	
GE 800	79.2	92.7	96.2	97.6	97.8	97.8	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.4	98.6	
GE 700	79.2	92.8	96.3	97.7	97.9	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.6	98.7	
GE 600	79.6	93.1	96.7	98.0	98.3	98.3	98.4	98.5	98.5	98.5	98.7	98.7	98.8	98.8	99.0	99.1	
GE 500	79.6	93.1	96.8	98.3	98.7	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.1	99.3	99.4	
GE 400	79.6	93.1	96.8	98.3	98.5	98.5	98.6	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.4	99.6	
GE 300	79.6	93.1	96.8	98.3	98.9	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.7	99.8	
GE 200	79.6	93.1	96.8	98.3	98.9	98.9	99.1	99.2	99.2	99.2	99.4	99.4	99.6	99.6	99.8	99.9	
GE 100	79.6	93.1	96.8	98.3	98.9	98.9	99.1	99.2	99.2	99.2	99.4	99.4	99.6	99.6	99.9	100.0	
GE 000	79.6	93.1	96.8	98.3	98.9	98.9	99.1	99.2	99.2	99.2	99.4	99.4	99.6	99.6	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: NOV 78 - OCT 88  
MONTH: APR HOURS: 03-05

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: + 5

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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.8	60.8	66.8	69.1	70.2	70.2	70.7	70.9	70.8	71.0	71.0	71.0	71.2	71.2	71.8
GE 20000	63.4	67.3	74.7	77.2	78.3	78.3	78.9	78.9	78.9	79.1	79.1	79.1	79.3	79.3	79.9
GE 18000	63.4	67.3	74.7	77.2	78.3	78.3	78.9	78.9	78.9	79.1	79.1	79.1	79.3	79.3	79.9
GE 16000	63.4	67.3	74.7	77.2	78.3	78.3	78.9	78.9	78.9	79.1	79.1	79.1	79.3	79.3	79.9
GE 14000	63.7	67.6	74.9	77.4	78.6	78.6	79.0	79.1	79.1	79.3	79.3	79.3	79.6	79.6	80.1
GE 12000	64.1	68.0	75.6	78.1	79.2	79.2	79.7	79.8	79.8	80.0	80.0	80.2	80.2	80.2	80.8
GE 10000	65.3	69.2	76.9	79.4	80.6	80.6	81.1	81.1	81.1	81.3	81.3	81.6	81.6	81.6	82.1
GE 9000	65.4	69.4	77.1	79.7	80.8	80.8	81.2	81.3	81.3	81.6	81.6	81.8	81.8	81.9	82.4
GE 8000	66.3	70.3	78.0	80.6	81.7	81.7	82.2	82.2	82.2	82.4	82.4	82.7	82.7	82.8	83.3
GE 7000	67.6	71.7	79.3	82.0	83.1	83.1	83.6	83.7	83.7	83.9	83.9	84.1	84.1	84.2	84.8
GE 6000	67.7	71.8	79.4	82.1	83.2	83.2	83.7	83.8	83.8	84.0	84.0	84.2	84.2	84.3	84.9
GE 5000	68.8	72.9	80.6	83.2	84.3	84.3	84.9	84.9	84.9	85.1	85.1	85.3	85.3	85.4	86.0
GE 4500	69.2	73.3	81.1	83.8	84.9	84.9	85.4	85.4	85.4	85.7	85.7	85.9	85.9	86.0	86.6
GE 4000	70.3	74.4	82.3	85.2	86.3	86.3	86.9	86.9	86.9	87.1	87.1	87.3	87.3	87.4	88.0
GE 3500	71.1	75.3	83.2	86.2	87.4	87.4	88.0	88.0	88.0	88.2	88.2	88.4	88.4	88.6	89.1
GE 3000	71.9	76.1	84.2	87.3	88.6	88.6	89.2	89.2	89.2	89.4	89.4	89.7	89.7	89.8	90.3
GE 2500	72.6	76.8	85.6	88.8	90.0	90.0	90.4	90.7	90.7	90.9	90.9	91.1	91.1	91.2	91.8
GE 2000	72.9	77.1	85.9	89.1	90.3	90.3	90.8	91.0	91.0	91.2	91.2	91.4	91.4	91.6	92.1
GE 1800	73.0	77.2	86.0	89.2	90.4	90.4	90.9	91.1	91.1	91.3	91.3	91.6	91.6	91.7	92.2
GE 1500	73.6	77.9	86.8	90.1	91.3	91.3	91.8	92.0	92.0	92.2	92.2	92.4	92.4	92.6	93.1
GE 1200	74.2	78.9	87.9	91.8	93.0	93.0	93.4	93.7	93.7	93.9	93.9	94.1	94.1	94.2	94.8
GE 1000	75.1	80.0	89.1	93.3	94.6	94.6	95.1	95.3	95.3	95.6	95.6	95.8	95.8	95.9	96.4
GE 900	75.3	80.2	89.3	93.6	94.8	94.8	95.4	95.7	95.7	95.9	95.9	96.1	96.1	96.2	96.8
GE 800	75.3	80.2	89.4	93.7	94.9	94.9	95.5	95.8	95.8	96.0	96.0	96.2	96.2	96.3	96.9
GE 700	75.4	80.3	89.6	93.8	95.0	95.0	95.6	96.0	96.0	96.2	96.2	96.4	96.4	96.6	97.1
GE 600	75.7	80.7	90.0	94.2	95.4	95.4	96.2	96.4	96.4	96.7	96.7	96.9	96.9	97.0	97.6
GE 500	75.7	80.7	90.1	94.3	95.0	95.0	96.0	97.1	97.4	97.7	97.7	97.9	97.9	98.0	98.6
GE 400	76.0	81.0	90.4	95.1	96.4	96.4	97.7	98.0	98.0	98.3	98.3	98.6	98.6	98.7	99.2
GE 300	76.0	81.0	90.4	95.1	96.4	96.4	97.7	98.0	98.0	98.3	98.3	98.7	98.7	98.8	99.3
GE 200	76.0	81.0	90.4	95.1	96.4	96.4	97.7	98.0	98.0	98.3	98.3	98.7	98.7	98.8	99.4
GE 100	76.0	81.0	90.4	95.1	96.4	96.4	97.7	98.0	98.0	98.3	98.3	98.7	98.7	98.8	99.4
GE 000	76.0	81.0	90.4	95.1	96.4	96.4	97.7	98.0	98.0	98.3	98.3	98.7	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: OKLANDU IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST IC UTC: + 5 MONTH: APR HOURS: 06-08

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

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	41.0	49.8	57.2	60.1	62.0	62.6	64.1	64.8	64.8	65.1	65.3	65.3	65.6	65.6	66.2	66.7
GE 20000	45.2	55.2	63.7	67.2	69.4	70.1	72.0	72.8	72.8	73.2	73.4	73.4	73.8	73.8	74.6	75.0
GE 18000	45.2	55.2	63.7	67.2	69.4	70.1	72.0	72.8	72.8	73.2	73.4	73.4	73.8	73.8	74.6	75.0
GE 16000	45.2	55.2	63.7	67.2	69.4	70.1	72.0	72.8	72.8	73.2	73.4	73.4	73.8	73.8	74.6	75.0
GE 14000	45.3	55.3	63.8	67.3	69.6	70.2	72.3	73.1	73.1	73.6	73.8	73.8	74.1	74.1	74.9	75.3
GE 12000	46.4	56.7	65.2	68.9	71.1	71.8	74.0	74.8	74.8	75.2	75.4	75.4	75.8	75.8	76.6	77.0
GE 10000	48.2	58.7	67.2	70.9	73.3	74.0	76.6	77.3	77.3	77.8	78.0	78.0	78.3	78.3	79.1	79.6
GE 9000	49.0	59.6	68.2	72.0	74.4	75.2	77.8	78.6	78.6	79.0	79.2	79.2	79.6	79.6	80.3	80.8
GE 8000	50.0	60.7	69.3	73.1	75.6	76.4	79.0	79.8	79.8	80.2	80.4	80.4	80.8	80.8	81.6	82.0
GE 7000	50.7	61.3	70.1	74.0	76.4	77.4	80.0	80.8	80.8	81.2	81.4	81.4	81.8	81.8	82.6	83.0
GE 6000	51.2	61.9	70.7	74.6	77.0	78.0	80.6	81.3	81.3	81.8	82.0	82.0	82.3	82.3	83.1	83.6
GE 5000	51.9	62.9	71.7	75.6	78.0	79.0	81.6	82.4	82.4	82.9	83.1	83.1	83.4	83.4	84.2	84.7
GE 4500	52.4	63.7	72.6	76.4	78.9	79.9	82.4	83.3	83.3	83.8	84.0	84.0	84.3	84.3	85.1	85.6
GE 4000	53.7	65.2	74.2	78.1	80.6	81.7	84.2	85.1	85.1	85.6	85.8	86.1	86.1	86.1	86.9	87.3
GE 3500	54.0	65.6	74.6	78.6	81.0	82.1	84.7	85.6	85.6	86.0	86.2	86.2	86.6	86.6	87.3	87.8
GE 3000	55.4	67.2	76.2	80.2	82.7	83.8	86.3	87.2	87.2	87.7	87.9	88.2	88.2	88.2	89.0	89.4
GE 2500	55.8	67.6	76.7	80.7	83.1	84.2	87.0	87.9	87.9	88.3	88.6	88.9	88.9	89.7	89.7	90.1
GE 2000	56.3	68.7	77.9	81.9	84.3	85.4	88.3	89.2	89.2	89.7	89.9	90.2	90.2	91.0	91.0	91.4
GE 1800	56.4	68.9	78.2	82.2	84.7	85.8	88.7	89.6	89.6	90.0	90.2	90.6	90.6	91.3	91.8	91.8
GE 1500	56.8	69.3	78.7	82.8	85.2	86.4	89.3	90.2	90.2	90.7	90.9	91.2	91.2	92.0	92.4	92.4
GE 1200	56.9	70.0	79.6	83.7	86.1	87.3	90.3	91.2	91.2	91.7	91.9	92.2	92.2	93.0	93.4	93.4
GE 1000	57.1	70.2	80.1	84.3	86.8	88.0	91.1	92.1	92.1	92.6	92.8	92.8	93.1	93.1	93.9	94.3
GE 900	57.4	70.7	80.6	84.8	87.2	88.4	91.7	92.8	92.8	93.2	93.4	93.8	93.8	94.6	95.0	95.0
GE 800	57.4	70.7	80.8	85.0	87.6	88.9	92.1	93.2	93.2	93.7	93.9	94.2	94.2	95.0	95.4	95.4
GE 700	57.4	70.8	80.9	85.1	87.8	89.1	92.3	93.6	93.6	94.0	94.2	94.6	94.6	95.3	95.8	95.8
GE 600	57.6	70.9	81.1	85.3	88.0	89.3	92.6	93.9	93.9	94.2	94.4	94.8	94.8	95.6	96.0	96.0
GE 500	57.6	71.0	81.3	85.7	88.3	89.9	93.3	94.7	94.7	95.3	95.6	95.9	95.9	96.7	97.1	97.1
GE 400	58.0	71.4	81.8	86.1	88.9	90.4	94.0	95.3	95.3	96.0	96.2	96.6	96.6	97.3	97.8	97.8
GE 300	58.0	71.4	81.8	86.1	88.9	90.4	94.1	95.4	95.4	96.2	96.4	96.9	96.9	97.7	98.1	98.1
GE 200	58.0	71.4	81.8	86.1	88.9	90.4	94.1	95.7	95.7	96.6	96.9	97.4	97.4	98.2	98.7	98.7
GE 100	58.0	71.4	81.8	86.1	88.9	90.4	94.1	95.7	95.7	96.7	97.0	97.6	97.6	98.7	99.7	99.7
GE 000	58.0	71.4	81.8	86.1	88.9	90.4	94.1	95.7	95.7	96.7	97.0	97.6	97.6	98.9	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: 722050      STATION NAME: ORLANDO TAP FLORIDA  
LST ID UIC: 4 5

PERIOD OF RECORD: NOV 78 - OCT 88  
MONTH: APR      HOURS: 12-14

CEILING VISIBILITY IN STATUTE MILES

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 20000	65.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 18000	65.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 16000	65.7	68.2	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 14000	65.8	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 12000	66.8	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 10000	69.2	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 9000	71.0	73.9	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 8000	73.6	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 7000	74.7	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 6000	75.1	78.3	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 5000	76.8	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
GE 4500	78.6	81.9	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 4000	82.6	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 3500	86.2	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	90.3
GE 3000	89.2	93.2	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2500	91.1	95.4	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	91.6	96.1	96.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	91.8	96.3	97.2	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	92.0	96.7	97.8	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	92.3	97.0	98.1	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	92.4	97.1	98.2	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	92.4	97.1	98.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	92.4	97.1	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	92.4	97.1	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	92.4	97.1	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	92.4	97.1	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	92.4	97.1	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	92.4	97.1	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	92.4	97.1	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	92.4	97.1	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 000	92.4	97.1	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION #4  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 8	GE 9	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	54.9	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 20000	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 18000	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 16000	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 14000	73.0	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	73.5
GE 12000	73.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 10000	75.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 9000	75.9	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 8000	79.5	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 7000	81.0	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 6000	82.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 5000	84.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 4500	86.2	87.9	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 4000	90.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 3500	93.5	94.7	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 3000	94.9	96.0	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 2500	95.7	95.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	96.1	97.3	97.8	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 1800	96.1	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	96.4	97.7	98.1	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 1200	95.8	96.0	98.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	96.3	98.0	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	96.3	98.0	98.4	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 800	96.3	98.2	98.7	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	96.9	98.2	98.7	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 600	96.8	98.2	98.7	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 500	96.8	96.2	98.7	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 400	96.8	95.2	98.7	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 300	96.8	98.2	99.7	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 200	96.8	98.7	98.7	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 100	96.2	98.2	98.7	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 000	96.8	98.0	98.7	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

TOTAL NUMBER CE OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI IC MIC: + 5 MONTH: APR HOURS: 18-20

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	60.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 20000	75.6	79.6	79.6	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	75.6	79.6	79.6	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	75.6	79.6	79.6	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	75.6	79.6	79.6	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 12000	76.7	80.2	80.4	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	78.1	82.2	82.4	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 9000	79.0	83.1	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 8000	81.0	85.2	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
GE 7000	82.0	86.6	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 6000	82.7	87.2	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
GE 5000	84.6	89.1	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 4500	85.1	89.9	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4000	86.8	91.7	92.4	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	88.0	92.9	93.7	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 3000	89.7	94.7	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	90.0	95.1	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	90.2	95.3	95.4	97.0	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 1800	90.2	95.4	96.6	97.1	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 1500	90.3	95.7	96.8	97.3	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 1200	90.6	95.9	97.0	97.7	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 1000	90.7	96.1	97.4	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 900	90.8	96.2	97.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	90.8	96.4	98.1	98.7	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	90.8	96.4	98.1	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	90.8	96.4	98.1	99.0	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	90.8	96.4	98.1	99.0	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 400	90.8	96.4	98.1	99.0	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 300	90.8	96.4	98.1	99.0	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 200	90.8	96.4	98.1	99.0	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 100	90.8	96.4	98.1	99.0	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 000	90.8	96.4	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LST ICA: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.1	67.8	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
GE 20000	79.2	80.0	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7
GE 18000	79.2	80.0	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7
GE 16000	79.2	80.0	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7
GE 14000	79.2	80.1	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8
GE 12000	79.6	80.4	91.0	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 10000	80.5	81.7	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6
GE 9000	82.0	83.1	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
GE 8000	82.9	84.0	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9
GE 7000	84.1	85.7	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9
GE 6000	84.6	86.1	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
GE 5000	86.2	87.8	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0
GE 4500	86.9	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4
GE 4000	87.9	89.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2
GE 3500	88.8	90.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3
GE 3000	89.3	91.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3
GE 2500	90.6	93.0	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
GE 2000	91.2	93.7	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.8
GE 1800	91.4	93.9	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.0
GE 1500	92.1	94.8	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6
GE 1200	92.1	95.0	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.6
GE 1000	92.7	95.6	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.2
GE 900	93.3	96.2	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9
GE 800	93.3	96.2	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0
GE 700	93.4	96.3	98.0	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1
GE 600	93.6	96.4	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3
GE 500	93.6	96.4	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
GE 400	93.6	96.4	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
GE 300	93.6	96.4	98.3	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 200	93.6	96.4	98.3	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0
GE 100	93.6	96.4	98.3	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0
GE 000	93.6	96.4	98.3	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI JO UIC: + 5 MONTHS: APR HOURS: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.9	60.4	62.4	63.2	63.6	63.6	63.9	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.4
GE 20000	67.2	71.6	74.0	75.0	75.4	75.5	75.8	75.9	76.0	76.0	76.0	76.1	76.1	76.2	76.4
GE 18000	67.2	71.6	74.0	75.0	75.4	75.5	75.8	75.9	76.0	76.0	76.0	76.1	76.1	76.2	76.4
GE 16000	67.2	71.6	74.0	75.0	75.4	75.5	75.8	75.9	76.0	76.0	76.0	76.1	76.2	76.3	76.4
GE 14000	67.3	71.8	74.2	75.2	75.6	75.7	76.0	76.2	76.3	76.3	76.3	76.3	76.4	76.4	76.6
GE 12000	69.1	72.7	75.2	76.2	76.6	76.7	77.0	77.2	77.3	77.3	77.3	77.4	77.4	77.5	77.6
GE 10000	69.8	74.4	76.9	78.0	78.5	78.5	78.9	79.1	79.1	79.2	79.2	79.3	79.3	79.3	79.5
GE 9000	70.7	75.4	77.9	79.0	79.5	79.6	80.0	80.1	80.2	80.2	80.2	80.3	80.3	80.4	80.6
GE 8000	72.2	77.0	79.6	80.7	81.2	81.3	81.7	81.8	81.9	81.9	81.9	82.0	82.0	82.1	82.3
GE 7000	73.2	78.2	80.9	82.0	82.5	82.7	83.0	83.2	83.3	83.3	83.3	83.4	83.4	83.5	83.7
GE 6000	73.7	78.7	81.4	82.5	83.1	83.2	83.5	83.7	83.8	83.8	83.8	83.9	83.9	84.0	84.2
GE 5000	75.0	80.1	82.3	84.0	84.5	84.6	85.0	85.2	85.3	85.3	85.3	85.4	85.4	85.5	85.7
GE 4500	76.0	81.3	84.0	85.2	85.7	85.8	86.2	86.4	86.5	86.5	86.5	86.6	86.6	86.7	86.9
GE 4000	77.8	83.2	86.0	87.2	87.7	87.9	88.2	88.4	88.5	88.5	88.5	88.6	88.6	88.7	88.9
GE 3500	79.3	84.8	87.6	88.9	89.4	89.6	89.9	90.1	90.2	90.2	90.2	90.3	90.3	90.4	90.6
GE 3000	80.7	86.3	89.4	90.7	91.3	91.4	91.8	92.0	92.1	92.1	92.1	92.2	92.2	92.3	92.5
GE 2500	81.7	87.4	90.7	92.0	92.6	92.7	93.2	93.4	93.5	93.5	93.5	93.6	93.6	93.8	93.9
GE 2000	82.3	88.2	91.5	92.9	93.5	93.7	94.2	94.4	94.5	94.6	94.6	94.6	94.6	94.8	94.9
GE 1800	82.5	88.5	91.9	93.3	93.9	94.1	94.6	94.8	94.9	94.9	94.9	95.0	95.0	95.2	95.3
GE 1500	83.1	89.1	92.6	94.1	94.7	94.9	95.5	95.6	95.8	95.8	95.9	95.9	95.9	96.0	96.2
GE 1200	83.5	89.8	93.3	95.0	95.7	95.8	96.4	96.6	96.8	96.8	96.9	96.9	96.9	97.0	97.2
GE 1000	83.8	90.2	93.8	95.5	96.3	96.4	97.1	97.3	97.4	97.5	97.5	97.5	97.5	97.7	97.8
GE 900	84.1	90.4	94.1	95.2	96.6	96.8	97.5	97.7	97.8	97.9	98.0	98.0	98.0	98.1	98.3
GE 800	84.1	90.5	94.3	96.1	96.9	97.1	97.6	98.0	98.1	98.1	98.1	98.2	98.2	98.4	98.5
GE 700	84.1	90.6	94.4	96.2	97.0	97.2	97.9	98.1	98.3	98.3	98.3	98.4	98.4	98.5	98.7
GE 600	84.2	90.7	94.6	96.4	97.2	97.4	98.1	98.3	98.5	98.6	98.6	98.6	98.6	98.8	98.9
GE 500	84.3	90.7	94.7	96.6	97.4	97.6	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.2	99.3
GE 400	84.3	90.8	94.8	96.7	97.5	97.7	98.6	98.8	99.0	99.1	99.1	99.2	99.2	99.3	99.5
GE 300	84.3	90.8	94.8	96.7	97.6	97.8	98.7	98.9	99.2	99.2	99.2	99.3	99.3	99.5	99.6
GE 200	84.3	90.8	94.8	96.7	97.6	97.8	98.7	99.0	99.2	99.3	99.3	99.4	99.4	99.6	99.8
GE 100	84.3	90.8	94.8	96.7	97.6	97.8	98.7	99.0	99.2	99.3	99.3	99.5	99.5	99.7	99.9
GE 000	84.3	90.8	94.8	96.7	97.6	97.8	98.7	99.0	99.2	99.3	99.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAY HOURS: 00-02

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.4	68.9	70.4	71.4	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 20000	68.1	78.5	30.4	81.5	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 18000	68.1	78.5	80.4	81.5	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 16000	68.1	78.5	80.4	81.5	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 14000	68.1	78.5	80.4	81.5	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 12000	68.3	78.7	80.6	81.7	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 10000	69.6	80.3	82.5	83.5	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 9000	70.8	81.7	84.0	85.1	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 8000	71.9	83.1	85.4	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 7000	73.0	84.3	86.7	87.7	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 6000	73.2	84.6	87.0	88.1	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 5000	74.6	86.2	88.6	89.7	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4500	75.4	87.0	89.7	90.8	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 4000	76.1	87.7	90.4	91.5	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3500	77.1	88.7	91.4	92.5	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 3000	77.5	89.2	91.9	93.2	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2500	78.0	89.8	92.6	94.1	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2000	78.8	90.9	93.7	95.2	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	78.9	91.0	93.8	95.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1500	79.5	91.7	94.8	96.3	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	79.7	92.0	95.3	96.8	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	80.3	92.7	95.9	97.4	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	80.3	92.8	96.0	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	80.5	93.0	96.2	97.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	80.6	93.1	96.3	98.0	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	81.0	93.4	96.7	98.3	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	81.0	93.4	96.8	98.4	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	81.0	93.4	96.8	98.5	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	81.0	93.4	96.9	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	81.0	93.4	96.9	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	81.0	93.4	96.9	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	81.0	93.4	96.9	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI ID UIC: + 5 MONTH: MAY HOURS: 03-05

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING IN FEET	VISIBILITY IN STATUTE MILES										NO CEIL						
	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
GE 20000	58.4	62.8	66.1	69.2	70.6	70.8	71.1	71.2	71.2	71.2	71.2	71.3	71.3	71.6	71.6	71.7	71.7
GE 18000	65.2	70.8	74.5	78.0	79.5	79.6	79.9	80.0	80.0	80.0	80.1	80.2	80.2	80.6	80.6	80.8	80.8
GE 16000	65.2	70.8	74.5	78.0	79.5	79.6	79.9	80.0	80.0	80.0	80.1	80.2	80.2	80.6	80.6	80.8	80.8
GE 14000	65.2	70.8	74.5	78.0	79.5	79.6	79.9	80.0	80.0	80.0	80.1	80.2	80.2	80.6	80.6	80.8	80.8
GE 12000	65.6	71.2	74.9	78.4	79.9	80.0	80.3	80.4	80.4	80.4	80.5	80.6	80.6	81.1	81.1	81.2	81.2
GE 10000	66.5	72.2	76.0	79.5	81.0	81.1	81.4	81.5	81.5	81.5	81.6	81.7	81.7	82.2	82.2	82.3	82.3
GE 9000	67.0	72.7	77.2	80.6	82.2	82.3	82.6	82.7	82.7	82.7	82.8	82.9	82.9	83.3	83.3	83.4	83.4
GE 8000	68.6	74.3	78.8	82.3	83.8	83.9	84.3	84.3	84.3	84.3	84.4	84.5	84.5	84.9	84.9	85.1	85.1
GE 7000	69.9	75.6	80.2	83.7	85.3	85.5	85.8	85.9	85.9	85.9	86.0	86.1	86.1	86.6	86.6	86.7	86.7
GE 6000	69.9	75.6	80.2	83.8	85.6	85.8	86.1	86.2	86.2	86.2	86.3	86.5	86.5	86.9	86.9	87.0	87.0
GE 5000	71.4	77.2	81.9	85.5	87.3	87.5	87.8	88.0	88.0	88.0	88.1	88.2	88.2	88.6	88.6	88.7	88.7
GE 4500	72.4	78.2	83.2	86.8	88.6	89.3	89.1	89.2	89.2	89.2	89.4	89.5	89.5	89.9	89.9	90.0	90.0
GE 4000	73.8	79.6	84.7	88.3	90.1	90.3	90.6	90.8	90.8	90.8	90.9	91.0	91.0	91.4	91.4	91.5	91.5
GE 3500	74.4	80.3	85.6	89.1	91.0	91.2	91.5	91.6	91.6	91.6	91.7	91.8	91.8	92.3	92.3	92.4	92.4
GE 3000	75.3	81.2	86.6	90.7	92.0	92.3	92.6	92.7	92.7	92.7	92.8	92.9	92.9	93.3	93.3	93.4	93.4
GE 2500	75.5	81.5	87.0	90.6	92.5	92.7	93.0	93.1	93.1	93.1	93.2	93.3	93.3	93.8	93.8	93.9	93.9
GE 2000	75.7	81.8	87.5	91.2	93.0	93.2	93.5	93.7	93.7	93.7	93.8	93.9	93.9	94.3	94.3	94.4	94.4
GE 1800	75.9	82.3	88.0	91.6	93.4	93.7	94.0	94.1	94.1	94.1	94.2	94.3	94.3	94.7	94.7	94.8	94.8
GE 1500	76.5	82.9	88.5	92.2	94.0	94.2	94.5	94.6	94.6	94.6	94.7	94.8	94.8	95.3	95.3	95.4	95.4
GE 1200	77.0	83.3	89.0	92.7	94.5	94.7	95.1	95.2	95.2	95.2	95.3	95.4	95.4	95.9	95.9	96.0	96.0
GE 1000	77.6	84.0	89.8	93.5	95.5	95.7	96.0	96.1	96.1	96.1	96.2	96.3	96.3	96.9	96.9	97.0	97.0
GE 900	77.6	84.0	89.8	93.7	95.6	95.8	96.1	96.2	96.2	96.2	96.3	96.5	96.5	97.0	97.0	97.1	97.1
GE 800	77.6	84.0	89.8	93.7	95.6	95.8	96.1	96.2	96.2	96.2	96.3	96.5	96.5	97.0	97.0	97.1	97.1
GE 700	77.8	84.2	90.0	94.0	95.9	96.1	96.5	96.6	96.6	96.6	96.7	96.8	96.8	97.3	97.3	97.4	97.4
GE 600	78.2	84.5	90.3	94.3	96.3	96.6	97.0	97.1	97.1	97.1	97.2	97.3	97.3	97.8	97.8	98.0	98.0
GE 500	78.2	84.5	90.4	94.5	96.8	97.0	97.4	97.5	97.5	97.5	97.6	97.7	97.7	98.3	98.3	98.4	98.4
GE 400	78.4	84.8	90.8	94.8	97.1	97.3	98.0	98.1	98.1	98.1	98.2	98.3	98.3	98.8	98.8	98.9	98.9
GE 300	78.4	84.8	91.0	95.1	97.3	97.5	98.2	98.3	98.3	98.3	98.4	98.5	98.5	99.0	99.0	99.1	99.1
GE 200	78.4	84.8	91.0	95.1	97.3	97.5	98.2	98.4	98.4	98.4	98.5	98.6	98.6	99.1	99.1	99.2	99.2
GE 100	78.4	84.8	91.1	95.2	97.4	97.6	98.3	98.6	98.6	98.6	98.7	98.8	98.8	99.5	99.5	99.6	99.6
GE 000	78.4	84.8	91.1	95.2	97.4	97.6	98.3	98.6	98.6	98.6	98.7	98.8	98.8	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 68  
 LST TO UTC: + 5 MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	7	6	5	4	3	2	1 1/2	2	1 1/2	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	41.2	52.5	58.2	60.6	63.9	64.6	65.6	66.1	66.1	66.9	67.0	67.0	67.3	67.3	67.3	67.4
GE 20000	46.5	59.9	66.7	69.6	73.1	73.9	75.3	75.8	75.8	76.7	76.8	76.8	77.4	77.4	77.5	77.7
GE 18000	46.5	59.9	66.7	69.6	73.1	73.9	75.3	75.8	75.8	76.7	76.8	76.8	77.4	77.4	77.5	77.7
GE 16000	46.5	59.9	66.7	69.6	73.1	73.9	75.3	75.8	75.8	76.7	76.8	76.8	77.4	77.4	77.5	77.7
GE 14000	46.5	60.0	66.8	69.7	73.2	74.0	75.4	75.9	75.9	76.8	76.9	76.9	77.5	77.5	77.6	77.8
GE 12000	46.9	60.4	67.2	70.1	73.7	74.4	75.9	76.5	76.5	77.3	77.4	77.4	78.1	78.1	78.2	78.4
GE 10000	48.2	62.3	69.7	72.7	76.2	77.1	78.6	79.1	79.1	80.1	80.2	80.2	80.9	80.9	81.0	81.2
GE 9000	49.1	63.3	70.8	73.9	77.4	78.3	79.3	80.3	80.3	81.3	81.4	81.4	82.0	82.0	82.2	82.4
GE 8000	50.6	65.2	72.6	75.7	79.2	80.1	81.7	82.3	82.3	83.3	83.4	83.4	84.1	84.1	84.2	84.4
GE 7000	51.7	66.3	73.9	77.1	80.6	81.5	83.2	83.8	83.8	84.8	84.9	84.9	85.6	85.6	85.7	85.9
GE 6000	51.8	66.5	74.1	77.3	80.9	81.7	83.4	84.0	84.0	85.1	85.2	85.2	85.8	85.8	85.9	86.1
GE 5000	52.8	67.5	75.2	78.4	81.9	82.8	84.5	85.1	85.1	86.1	86.2	86.2	86.9	86.9	87.0	87.2
GE 4500	53.9	68.9	76.6	79.9	83.4	84.3	86.0	86.6	86.6	87.6	87.7	87.7	88.4	88.4	88.5	88.7
GE 4000	54.6	69.7	77.3	80.8	84.5	85.4	87.1	87.6	87.6	88.7	88.8	88.8	89.5	89.5	89.6	89.8
GE 3500	54.8	69.9	77.5	81.0	84.7	85.6	87.3	87.8	87.8	88.9	89.0	89.0	89.7	89.7	89.8	90.0
GE 3000	55.4	70.6	78.4	81.8	85.7	86.6	88.3	88.8	88.8	89.9	90.1	90.1	90.8	90.8	90.9	91.1
GE 2500	55.7	71.1	78.8	82.4	86.2	87.1	88.8	89.4	89.4	90.4	90.6	90.6	91.3	91.3	91.4	91.6
GE 2000	56.3	72.2	80.0	83.7	87.5	88.4	90.1	90.6	90.6	91.7	91.9	91.9	92.6	92.6	92.7	92.9
GE 1800	56.5	72.3	80.1	83.8	87.6	88.5	90.2	90.8	90.8	91.8	92.0	92.0	92.7	92.7	92.8	93.0
GE 1500	56.6	72.4	80.2	83.9	87.8	88.7	90.4	91.0	91.0	92.0	92.3	92.3	92.9	92.9	93.0	93.2
GE 1200	57.3	73.1	81.1	84.7	88.9	89.9	91.7	92.3	92.3	93.4	93.7	93.7	94.3	94.3	94.4	94.6
GE 1000	57.8	73.8	81.7	85.5	89.9	90.8	92.7	93.3	93.3	94.5	94.7	94.7	95.4	95.4	95.5	95.7
GE 900	58.1	74.3	82.5	86.2	90.6	91.5	93.4	94.1	94.1	95.3	95.5	95.5	96.1	96.1	96.2	96.5
GE 800	58.4	74.6	82.9	86.7	91.1	91.9	93.9	94.5	94.5	95.7	95.9	95.9	96.6	96.6	96.7	96.9
GE 700	58.4	74.7	83.0	86.8	91.3	92.2	94.2	94.8	94.8	96.0	96.3	96.3	97.0	97.0	97.1	97.3
GE 600	58.4	74.7	83.1	86.9	91.4	92.3	94.3	94.9	94.9	96.2	96.6	96.6	97.2	97.2	97.3	97.5
GE 500	58.6	74.9	83.4	87.2	91.8	92.8	94.9	95.6	95.6	96.9	97.2	97.2	97.8	97.8	98.0	98.2
GE 400	58.7	75.1	83.5	87.3	91.9	93.1	95.3	96.0	96.0	97.4	97.7	97.7	98.4	98.4	98.5	98.7
GE 300	58.7	75.1	83.5	87.4	92.0	93.2	95.5	96.2	96.2	97.7	98.2	98.2	98.8	98.8	98.9	99.1
GE 200	58.7	75.1	83.5	87.4	92.0	93.2	95.5	96.2	96.2	98.0	98.4	98.4	99.0	99.0	99.1	99.4
GE 100	58.7	75.1	83.5	87.4	92.0	93.2	95.5	96.2	96.2	98.0	98.4	98.4	99.1	99.1	99.5	99.8
GE 000	58.7	75.1	83.5	87.4	92.0	93.2	95.5	96.2	96.2	98.0	98.4	98.4	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.4	56.0	57.3	58.0	58.2	58.2	58.5	58.5	59.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 20000	61.0	65.1	67.0	67.5	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 18000	61.0	65.1	67.0	67.6	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 16000	61.0	65.1	67.0	67.6	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 14000	61.0	65.1	67.0	67.6	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 12000	61.3	65.5	67.5	68.2	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 10000	64.6	69.0	71.1	71.7	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 9000	66.0	70.5	72.6	73.2	73.5	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 8000	68.3	72.9	74.9	75.7	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 7000	69.0	73.7	75.7	76.5	76.8	76.8	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 6000	69.1	73.8	75.8	76.6	76.9	76.9	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 5000	69.8	74.4	76.5	77.2	77.5	77.5	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 4500	70.0	74.6	76.7	77.4	77.7	77.7	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 4000	70.9	75.6	77.6	78.4	78.7	78.7	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3500	74.1	78.8	80.9	81.6	81.9	81.9	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3000	77.4	82.5	84.6	85.5	85.8	85.8	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 2500	80.9	85.9	88.1	89.0	89.4	89.4	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2000	83.7	88.9	91.1	92.2	92.5	92.5	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	84.7	90.1	92.5	93.5	93.9	93.9	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1500	86.3	91.8	94.2	95.3	95.7	95.7	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	87.4	93.1	95.6	96.8	97.3	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	87.7	93.7	96.1	97.3	97.8	97.8	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	87.8	93.8	96.2	97.4	98.0	98.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	87.8	93.8	96.2	97.5	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	87.8	93.8	96.2	97.5	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	88.0	93.9	96.5	97.8	98.4	98.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	88.0	94.0	96.6	98.1	98.6	98.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	88.0	94.0	96.6	98.1	98.6	98.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	88.0	94.0	96.6	98.1	98.6	98.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	88.0	94.0	96.6	98.1	98.6	98.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	88.0	94.0	96.6	98.1	98.6	98.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	88.0	94.0	96.6	98.1	98.6	98.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
 LST TO UTC: + 5 PERIOD OF RECORD: NOV 78 - OCT 88  
 MONTH: MAY HOURS: 12-14

CEILING IN FEET VISIBILITY IN STATUTE MILES

	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.7	49.0	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	60.3	63.1	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 18000	60.3	63.1	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 16000	60.3	63.1	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 14000	60.5	63.3	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 12000	61.1	63.9	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 10000	63.4	66.7	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 9000	64.0	67.2	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 8000	66.0	69.6	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 7000	66.8	70.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 6000	67.1	70.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 5000	68.4	71.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4500	70.3	73.9	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4000	75.9	79.6	81.6	81.7	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 3500	84.1	88.5	90.5	90.6	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 3000	87.0	91.8	94.0	94.1	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2500	88.9	93.9	96.3	96.5	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	89.6	94.5	97.0	97.1	97.4	97.5	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	89.9	94.8	97.3	97.4	97.7	97.8	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	90.3	95.4	98.0	98.1	98.4	98.5	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	90.6	95.7	98.3	98.4	98.7	98.8	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	90.6	95.8	98.4	98.6	98.9	99.0	99.1	99.1	99.7	99.7	99.7	99.8	99.8	99.8
GE 900	90.6	95.8	98.4	98.6	98.9	99.0	99.1	99.1	99.7	99.7	99.7	99.8	99.8	99.8
GE 800	90.6	95.8	98.4	98.6	98.9	99.0	99.1	99.1	99.7	99.7	99.7	99.8	99.8	99.8
GE 700	90.6	95.8	98.4	98.6	98.9	99.0	99.1	99.1	99.7	99.7	99.7	99.8	99.8	99.8
GE 600	90.6	95.8	98.4	98.6	98.9	99.0	99.2	99.2	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	90.6	95.8	98.4	98.6	98.9	99.0	99.2	99.2	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	90.6	95.8	98.4	98.6	98.9	99.0	99.2	99.2	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	90.6	95.8	98.4	98.6	98.9	99.0	99.2	99.2	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	90.6	95.8	98.4	98.6	98.9	99.0	99.2	99.2	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	90.6	95.8	98.4	98.6	98.9	99.0	99.2	99.2	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	90.6	95.8	98.4	98.6	98.9	99.0	99.2	99.2	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI ID UTC: + 5 MONTH: MAY HOURS: 15-17

CEILING VISIBILITY IN STATUTE MILES

FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.1	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 20000	67.5	69.1	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 18000	67.5	69.1	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 16000	67.5	69.1	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 14000	67.6	69.2	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 12000	68.3	69.9	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 10000	70.2	71.8	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 9000	72.7	74.3	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 8000	75.5	77.2	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 7000	78.5	80.3	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 6000	78.7	80.5	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 5000	80.0	81.8	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 4500	81.8	83.7	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4000	86.5	88.7	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 3500	90.3	92.9	93.4	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3000	92.0	94.7	95.5	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	92.7	95.4	96.1	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	93.1	96.0	96.9	97.3	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	93.5	96.5	97.3	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	93.5	96.5	97.3	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	93.7	96.6	97.5	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	93.7	96.6	97.5	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	93.7	96.6	97.5	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	93.8	96.7	97.6	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	93.8	96.7	97.6	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	93.8	96.7	97.6	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	93.8	96.7	97.6	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	93.8	96.7	97.6	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	93.8	96.7	97.6	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	93.8	96.7	97.6	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 100	93.8	96.7	97.6	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 000	93.8	96.7	97.6	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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	54.5	57.0	57.3	57.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 20000	72.0	76.1	76.7	76.9	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	72.0	76.1	76.7	76.9	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 16000	72.0	76.1	76.7	76.9	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 14000	72.2	76.2	76.8	77.0	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 12000	72.6	76.8	77.3	77.5	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 10000	73.9	78.3	78.8	79.0	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 9000	75.2	79.6	80.1	80.3	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 8000	77.6	82.2	82.9	83.1	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 7000	80.4	85.4	86.2	86.5	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	80.8	86.0	86.9	87.1	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 5000	81.5	87.1	88.0	88.2	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 4500	82.9	88.7	89.6	89.8	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 4000	84.1	90.0	91.2	91.4	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 3500	86.2	92.5	94.0	94.3	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 3000	87.2	93.4	94.9	95.4	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 2500	87.5	94.0	95.5	96.0	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 2000	88.3	94.8	96.5	97.0	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 1800	88.6	95.3	96.9	97.4	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	88.8	95.6	97.2	97.7	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 1200	88.8	95.6	97.2	97.8	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 1000	88.8	95.6	97.3	98.0	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 900	88.8	95.6	97.3	98.0	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 800	88.8	95.6	97.3	98.0	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 700	88.8	95.7	97.5	98.3	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 600	88.8	95.7	97.5	98.3	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 500	88.8	95.7	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	88.8	95.7	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	88.8	95.7	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	88.8	95.7	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	88.8	95.7	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 000	88.8	95.7	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UIC: + 5 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	64.7	66.5	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 20000	76.9	79.0	80.0	80.1	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	76.9	79.0	80.0	80.1	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	76.9	79.0	80.0	80.1	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	77.0	79.1	80.1	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
GE 12000	77.2	79.4	80.3	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
GE 10000	78.9	81.1	82.0	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 9000	80.3	82.6	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 8000	81.7	84.1	85.2	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
GE 7000	84.1	86.5	87.7	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
GE 6000	84.9	87.2	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 5000	85.9	88.5	89.9	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	86.9	89.5	91.0	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 4000	87.7	90.5	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 3500	88.7	91.6	93.7	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 3000	90.2	93.3	95.6	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
GE 2500	91.0	94.2	96.5	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 2000	91.7	94.9	97.2	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 1800	91.7	94.9	97.2	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 1500	92.4	95.7	98.0	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 1200	92.6	95.9	98.2	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 1000	92.9	96.2	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	92.9	96.5	98.7	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 800	93.2	96.8	99.0	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	93.3	96.9	99.1	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	93.3	96.9	99.1	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	93.3	96.9	99.1	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	93.3	96.9	99.1	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 300	93.4	97.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.4	97.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.4	97.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.4	97.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	53.5	58.0	59.7	60.7	61.4	61.5	61.8	61.9	61.9	61.9	62.0	62.0	62.1	62.1	62.1	62.1
GE 20000	64.7	70.2	72.4	73.5	74.3	74.4	74.7	74.8	74.8	74.9	74.9	74.9	74.9	75.1	75.1	75.1
GE 18000	64.7	70.2	72.4	73.5	74.3	74.4	74.7	74.8	74.8	74.9	74.9	74.9	74.9	75.1	75.1	75.1
GE 16000	64.7	70.2	72.4	73.5	74.3	74.4	74.7	74.8	74.8	74.9	74.9	74.9	74.9	75.1	75.1	75.1
GE 14000	64.7	70.3	72.5	73.6	74.4	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.2	75.2
GE 12000	65.1	70.7	72.9	74.0	74.8	74.9	75.2	75.3	75.3	75.4	75.5	75.5	75.6	75.6	75.6	75.6
GE 10000	66.9	72.7	75.0	76.1	76.9	77.1	77.4	77.4	77.4	77.6	77.6	77.6	77.7	77.7	77.8	77.8
GE 9000	68.1	74.9	76.4	77.5	78.4	78.5	78.8	78.9	78.9	79.0	79.0	79.0	79.2	79.2	79.2	79.2
GE 8000	70.0	76.1	78.6	79.7	80.5	80.6	81.0	81.1	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.5
GE 7000	71.7	77.8	80.4	81.6	82.4	82.6	82.9	83.0	83.0	83.2	83.2	83.2	83.3	83.3	83.4	83.4
GE 6000	71.9	78.1	80.8	81.9	82.8	83.0	83.3	83.4	83.4	83.6	83.6	83.6	83.7	83.7	83.8	83.8
GE 5000	73.1	79.3	82.0	83.2	84.1	84.2	84.6	84.7	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.1
GE 4500	74.2	80.6	83.3	84.5	85.4	85.6	86.0	86.1	86.1	86.2	86.2	86.2	86.4	86.4	86.4	86.4
GE 4000	76.2	82.7	85.6	86.8	87.8	87.9	88.3	88.4	88.4	88.6	88.6	88.6	88.7	88.7	88.8	88.8
GE 3500	78.7	85.4	88.4	89.6	90.6	90.8	91.2	91.3	91.3	91.5	91.5	91.5	91.6	91.6	91.7	91.7
GE 3000	80.3	87.1	90.2	91.5	92.5	92.7	93.1	93.2	93.2	93.4	93.4	93.4	93.6	93.6	93.6	93.6
GE 2500	81.3	88.2	91.4	92.7	93.8	93.9	94.4	94.5	94.5	94.6	94.7	94.7	94.8	94.8	94.8	94.9
GE 2000	82.2	89.3	92.5	93.9	94.9	95.1	95.6	95.7	95.7	95.9	95.9	95.9	96.0	96.0	96.1	96.1
GE 1800	82.5	89.6	92.9	94.3	95.3	95.5	96.0	96.1	96.1	96.3	96.3	96.3	96.5	96.5	96.5	96.5
GE 1500	83.0	90.2	93.5	94.9	96.0	96.2	96.7	96.8	96.8	97.0	97.0	97.1	97.2	97.2	97.2	97.3
GE 1200	83.4	90.7	94.0	95.5	96.6	96.8	97.3	97.4	97.4	97.6	97.6	97.7	97.8	97.8	97.9	97.9
GE 1000	83.7	91.0	94.4	95.9	97.1	97.2	97.6	97.9	97.9	98.1	98.2	98.2	98.4	98.4	98.4	98.4
GE 900	83.7	91.2	94.6	96.1	97.3	97.4	97.8	98.1	98.1	98.4	98.4	98.4	98.6	98.6	98.6	98.7
GE 800	83.9	91.3	94.7	96.2	97.4	97.6	98.2	98.3	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.8
GE 700	83.9	91.4	94.8	96.4	97.6	97.7	98.3	98.5	98.5	98.7	98.8	98.8	99.0	99.0	99.0	99.0
GE 600	84.0	91.5	94.9	96.5	97.7	97.9	98.5	98.7	98.7	98.9	99.0	99.0	99.2	99.2	99.2	99.2
GE 500	84.0	91.5	95.0	96.6	97.9	98.1	98.7	98.9	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.5
GE 400	84.1	91.5	95.0	96.7	98.0	98.2	98.9	99.0	99.0	99.3	99.4	99.4	99.6	99.6	99.6	99.7
GE 300	84.1	91.6	95.1	96.3	98.1	98.3	99.0	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.7	99.8
GE 200	84.1	91.6	95.1	96.8	98.1	98.3	99.0	99.1	99.1	99.5	99.5	99.5	99.7	99.7	99.8	99.8
GE 100	84.1	91.6	95.1	96.8	98.1	98.3	99.0	99.2	99.2	99.5	99.6	99.6	99.8	99.8	99.9	99.9
GE 000	84.1	91.6	95.1	96.8	98.1	98.3	99.0	99.2	99.2	99.5	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC.

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUN HOURS: 00-02

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING VISIBILITY IN STATUTE MILES

	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
FEET	7	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	3/8	1/4	0							
NO CEIL	50.9	60.0	63.3	64.4	64.9	64.9	65.0	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 20000	60.1	71.7	77.0	78.8	79.6	79.6	79.7	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 18000	60.1	71.7	77.0	78.8	79.6	79.6	79.7	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 16000	60.1	71.7	77.0	78.8	79.6	79.6	79.7	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 14000	60.1	71.7	77.0	78.8	79.6	79.6	79.7	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 12000	60.6	72.3	77.7	79.4	80.2	80.2	80.3	80.3	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 10000	61.9	74.7	80.1	81.9	82.7	82.7	82.8	82.8	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
GE 9000	63.8	77.1	82.7	84.4	85.2	85.2	85.3	85.3	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 8000	66.4	80.4	86.3	89.1	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	89.9
GE 7000	67.2	81.4	87.3	89.1	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	89.9
GE 6000	67.8	82.0	87.9	89.7	90.4	90.4	90.5	90.6	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 5000	68.0	82.2	88.1	89.9	90.7	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	91.0
GE 4500	68.9	83.1	89.0	90.8	91.6	91.6	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 4000	69.4	83.8	89.7	91.4	92.2	92.2	92.3	92.3	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3500	70.6	85.1	91.0	92.8	93.7	93.7	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3000	70.7	85.3	91.2	93.0	93.9	93.9	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2500	71.6	86.2	92.1	93.9	94.8	94.8	94.9	94.9	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 2000	71.9	86.7	92.6	94.3	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1800	72.2	87.0	92.9	94.3	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	73.0	87.8	93.7	95.7	96.8	96.8	96.9	96.9	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	73.1	87.9	94.0	96.0	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	73.2	88.0	94.2	96.3	97.4	97.4	97.6	97.6	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	73.6	88.4	94.7	96.3	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	73.7	88.6	94.8	96.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	73.8	88.7	94.9	97.0	98.1	98.1	98.2	98.2	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
GE 600	73.9	88.8	95.0	97.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	74.0	88.9	95.1	97.3	98.4	98.4	98.6	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	74.3	89.2	95.4	97.7	98.8	98.8	99.0	99.0	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
GE 300	74.8	89.7	95.9	98.2	99.3	99.3	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	74.9	89.8	96.0	98.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	74.9	89.8	96.0	98.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	74.9	89.6	96.0	98.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050  
 LST TO UTC: + 5

STATION NAME: ORLANDO IAP FLORIDA

PERIOD OF RECORD: NOV 78 - OCT 88  
 MONTH: JUN HOURS: 03-05

..... VISIBILITY IN STATUTE MILES .....

IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
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ND CEIL	51.3	55.4	61.7	65.1	66.0	66.6	66.6	67.1	67.2	67.2	67.3	67.3	67.4	67.4
GE 20000	60.6	65.6	73.1	77.0	78.1	78.3	78.8	78.8	79.4	79.4	79.6	79.6	79.7	79.7
GE 18000	60.6	65.6	73.1	77.0	73.1	78.3	78.8	79.3	79.4	79.4	79.6	79.6	79.7	79.7
GE 16000	60.6	65.6	73.1	77.0	73.1	78.3	78.8	79.3	79.4	79.4	79.6	79.6	79.7	79.7
GE 14000	60.6	65.6	73.1	77.0	73.1	78.3	78.8	79.3	79.4	79.4	79.6	79.6	79.7	79.7
GE 12000	61.1	66.1	73.7	77.7	78.8	79.0	79.4	80.0	80.1	80.1	80.2	80.2	80.3	80.3
GE 10000	63.6	68.7	76.3	80.3	81.4	81.7	82.1	82.9	83.0	83.0	83.1	83.1	83.2	83.2
GE 9000	65.7	70.8	78.4	82.4	83.6	83.9	84.2	85.0	85.1	85.1	85.2	85.2	85.3	85.3
GE 8000	67.1	72.6	80.6	84.3	85.9	86.1	86.5	87.4	87.6	87.6	87.7	87.7	87.8	87.8
GE 7000	68.7	74.2	82.2	86.4	87.6	87.8	88.2	89.1	89.2	89.2	89.3	89.3	89.4	89.4
GE 6000	69.0	74.7	82.7	86.9	88.0	88.2	88.7	89.6	89.7	89.7	89.8	89.8	89.9	89.9
GE 5000	70.0	75.7	83.7	88.0	89.1	89.3	89.9	90.7	90.8	90.8	90.9	90.9	91.0	91.0
GE 4500	70.2	75.9	83.9	88.2	89.3	89.0	90.1	90.9	91.0	91.0	91.1	91.1	91.2	91.2
GE 4000	70.2	76.0	84.1	88.4	89.5	89.3	90.3	91.1	91.2	91.2	91.3	91.3	91.4	91.4
GE 3500	71.0	76.8	84.9	89.3	90.4	90.7	91.1	92.0	92.1	92.1	92.2	92.2	92.3	92.3
GE 3000	71.4	77.3	85.4	89.9	91.0	91.2	91.8	92.6	92.7	92.7	92.8	92.8	92.9	92.9
GE 2500	71.7	77.6	85.7	90.1	91.2	91.4	92.0	92.8	92.9	92.9	93.0	93.0	93.1	93.1
GE 2000	72.4	78.3	86.7	91.1	92.2	92.4	92.9	93.8	93.9	93.9	94.0	94.0	94.1	94.1
GE 1800	72.9	78.8	87.1	91.6	92.7	92.9	93.3	94.2	94.3	94.3	94.4	94.4	94.6	94.6
GE 1500	73.0	79.0	87.4	91.9	93.0	93.2	93.8	94.7	94.8	94.8	94.9	94.9	95.0	95.0
GE 1200	73.2	79.2	87.8	92.7	93.8	94.0	94.8	95.7	95.8	95.8	95.9	95.9	96.0	96.0
GE 1000	73.2	79.4	88.1	93.0	94.1	94.3	95.1	96.0	96.1	96.1	96.2	96.2	96.3	96.3
GE 900	73.7	80.3	89.0	94.0	95.2	95.4	96.3	97.1	97.2	97.2	97.3	97.3	97.4	97.4
GE 800	73.7	80.4	89.1	94.1	95.4	95.7	96.4	97.3	97.4	97.4	97.6	97.6	97.7	97.7
GE 700	73.9	80.8	89.4	94.4	95.9	96.1	96.9	97.8	97.9	97.9	98.0	98.0	98.1	98.1
GE 600	74.0	80.9	89.6	94.7	96.1	96.3	97.1	98.0	98.1	98.1	98.2	98.2	98.3	98.3
GE 500	74.0	80.9	89.6	94.9	96.3	96.6	97.5	98.2	98.3	98.3	98.4	98.4	98.6	98.6
GE 400	74.3	81.2	89.9	95.2	96.6	97.0	97.9	98.7	98.8	98.8	98.9	98.9	99.0	99.0
GE 300	74.6	81.4	90.2	95.7	97.2	97.4	98.3	99.1	99.2	99.2	99.3	99.3	99.4	99.4
GE 200	74.7	81.6	90.3	95.8	97.4	97.7	98.4	99.4	99.6	99.6	99.7	99.7	99.8	99.8
GE 100	74.7	81.6	90.3	95.8	97.4	97.7	98.4	99.4	99.6	99.6	99.7	99.7	99.8	99.8
GE 000	74.7	81.6	90.3	95.8	97.4	97.7	98.4	99.4	99.6	99.6	99.7	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.7	45.4	53.8	57.6	60.2	60.9	62.8	63.3	63.9	64.0	64.0	64.4	64.4	64.6	64.6
GE 20000	43.9	56.0	65.1	69.7	72.7	73.3	75.9	76.4	77.1	77.2	77.2	77.8	77.8	78.0	78.0
GE 18000	43.9	56.0	65.1	69.7	72.7	73.3	75.5	76.4	77.1	77.2	77.2	77.8	77.8	78.0	78.0
GE 16000	43.9	56.0	65.1	69.7	72.7	73.3	75.5	76.4	77.1	77.2	77.2	77.8	77.8	78.0	78.0
GE 14000	44.2	56.4	65.6	70.1	73.1	73.8	76.0	76.9	77.6	77.7	77.7	78.2	78.2	78.4	78.4
GE 12000	44.9	57.1	66.3	70.9	74.0	74.7	76.9	77.9	78.5	78.7	78.7	79.2	79.2	79.4	79.4
GE 10000	46.9	59.4	68.9	73.8	76.9	77.3	80.1	81.1	81.8	81.9	81.9	82.4	82.4	82.7	82.7
GE 9000	46.6	61.7	71.3	76.2	79.3	80.2	82.6	83.5	84.2	84.3	84.3	84.9	84.9	85.1	85.1
GE 8000	50.3	64.3	74.3	79.2	82.3	83.3	85.7	86.7	87.3	87.4	87.4	88.0	88.0	88.2	88.2
GE 7000	51.6	65.6	75.6	80.4	83.5	84.6	86.9	88.0	88.7	88.8	88.8	89.3	89.3	89.6	89.6
GE 6000	51.7	65.7	75.7	80.6	83.6	84.8	87.1	88.2	88.9	89.0	89.0	89.6	89.6	89.8	89.8
GE 5000	51.8	66.1	76.1	81.0	84.2	85.2	87.9	88.7	89.3	89.4	89.4	90.0	90.0	90.2	90.2
GE 4500	52.0	66.3	76.3	81.2	84.4	85.4	88.0	88.9	89.6	89.7	89.7	90.2	90.2	90.4	90.4
GE 4000	52.6	67.1	77.1	82.0	85.2	86.2	88.8	89.7	90.3	90.4	90.4	91.0	91.0	91.2	91.2
GE 3500	52.9	67.4	77.7	82.6	85.8	86.8	89.1	90.2	90.9	91.0	91.0	91.6	91.6	91.8	91.8
GE 3000	53.1	67.7	78.0	82.9	86.1	87.1	89.4	90.6	91.2	91.3	91.3	91.9	91.9	92.1	92.1
GE 2500	53.7	68.2	78.6	83.4	86.7	87.7	89.9	91.1	91.8	91.9	91.9	92.4	92.4	92.7	92.7
GE 2000	54.4	69.1	79.5	84.4	87.8	88.8	91.1	92.2	92.9	93.0	93.0	93.6	93.6	93.8	93.8
GE 1800	54.6	69.2	79.7	84.6	87.9	88.9	91.2	92.4	93.1	93.2	93.2	93.8	93.8	94.0	94.0
GE 1500	54.8	69.4	80.0	84.9	88.2	89.2	91.5	92.8	93.4	93.6	93.6	94.1	94.1	94.3	94.3
GE 1200	54.9	69.9	80.4	85.3	88.6	89.6	91.9	93.4	94.1	94.2	94.2	94.8	94.8	95.1	95.1
GE 1000	55.1	70.1	80.8	85.7	89.1	90.2	92.6	93.9	94.4	94.6	94.6	95.1	95.1	95.4	95.4
GE 900	55.3	70.4	81.1	86.0	89.4	90.5	92.9	94.4	95.1	95.2	95.2	95.8	95.8	96.1	96.1
GE 800	55.4	70.6	81.2	86.1	89.5	90.7	93.1	94.6	95.2	95.3	95.3	95.9	95.9	96.2	96.2
GE 700	55.7	70.8	81.5	86.4	90.2	91.3	93.3	94.8	95.4	95.5	95.5	96.0	96.0	96.9	96.9
GE 600	56.0	71.4	82.4	87.4	91.0	92.1	94.6	96.0	96.7	96.8	96.8	97.3	97.3	97.7	97.7
GE 500	56.0	71.4	82.6	87.6	91.3	92.4	94.9	96.3	97.1	97.2	97.2	97.8	97.8	98.1	98.1
GE 400	56.0	71.4	82.6	87.6	91.3	92.4	94.9	96.3	97.1	97.2	97.2	97.8	97.8	98.1	98.1
GE 300	56.0	71.4	82.6	87.6	91.3	92.4	94.9	96.3	97.1	97.2	97.2	97.8	97.8	98.1	98.1
GE 200	56.0	71.4	82.6	87.6	91.3	92.4	94.9	96.3	97.1	97.2	97.2	97.8	97.8	98.1	98.1
GE 100	56.0	71.4	82.6	87.6	91.3	92.4	94.9	96.3	97.1	97.2	97.2	97.8	97.8	98.1	98.1
GE 000	56.0	71.4	82.6	87.6	91.3	92.4	94.9	96.3	97.1	97.2	97.2	97.8	97.8	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050      STATION NAME: DURLAND IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      VISIBILITY IN STATUTE MILES      MONTH: JUN      HOURS: 09-11

CEILING IN FEET	PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.0	45.6	49.8	49.6	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 20000	54.6	60.2	64.1	65.2	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 18000	54.6	60.2	64.1	65.2	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 16000	54.6	60.2	64.1	65.2	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 14000	54.8	60.4	64.4	65.6	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 12000	55.7	61.3	65.4	66.6	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 10000	58.1	64.2	66.3	69.5	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 9000	60.2	66.3	70.7	74.9	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 8000	62.3	69.1	73.6	74.9	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 7000	63.2	69.5	74.0	75.3	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 6000	63.9	70.2	74.7	76.0	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 5000	64.2	70.7	75.1	76.4	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 4500	64.9	71.3	75.8	77.1	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 4000	65.3	71.8	76.3	77.7	78.3	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3500	67.0	73.4	78.0	79.4	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3000	69.8	76.3	81.0	82.6	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2500	74.7	81.3	86.1	87.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 2000	79.0	86.0	90.9	92.7	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1800	80.7	87.8	92.7	94.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	82.4	89.6	94.4	96.3	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	83.2	90.4	95.4	97.3	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	83.7	90.9	95.9	97.9	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	83.7	90.9	95.9	97.9	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	83.7	90.9	95.9	97.9	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	83.7	90.9	95.9	97.9	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	83.8	91.1	96.1	98.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	83.8	91.1	96.1	98.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	83.8	91.1	96.1	98.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	83.8	91.1	96.1	98.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	83.8	91.1	96.1	98.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	83.8	91.1	96.1	98.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	83.8	91.1	96.1	98.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI ID UTC: + 5 MONTH: JUN HOURS: 12-14

CEILING VISIBILITY IN STATUTE MILES

FEET	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	34.1	36.8	39.1	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 20000	51.6	55.6	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 18000	51.6	55.6	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 16000	51.6	55.6	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 14000	51.9	55.9	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 12000	52.3	56.4	59.0	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 10000	55.1	59.7	62.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 9000	56.4	61.3	64.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 8000	58.9	64.0	66.9	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 7000	60.4	65.7	68.6	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 6000	61.1	66.3	69.2	69.8	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 5000	61.4	66.7	69.6	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 4500	62.2	67.4	70.4	71.0	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 4000	65.0	70.6	73.8	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 3500	71.4	77.4	80.8	81.4	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 3000	78.3	85.0	88.9	89.7	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 2500	84.8	91.8	95.8	96.6	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 2000	85.6	92.6	96.6	97.3	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 1800	85.7	92.7	96.7	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	86.0	93.0	97.1	97.9	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	86.1	93.1	97.2	98.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 000	86.1	93.1	97.3	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUN HOURS: 15-17

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

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	32.9	34.6	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 20000	55.9	58.6	61.0	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 18000	55.9	58.6	61.0	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 16000	55.9	58.6	61.0	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 14000	56.0	58.7	61.1	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 12000	56.7	59.3	62.1	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 10000	60.6	63.2	66.1	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 9000	64.4	67.2	70.1	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 8000	69.0	72.1	75.2	75.4	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 7000	71.1	74.2	77.3	77.6	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 6000	71.7	74.8	77.9	78.1	78.6	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 5000	72.3	75.4	78.6	78.8	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
GE 4500	73.7	76.8	80.0	80.2	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 4000	76.4	79.6	82.9	83.2	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 3500	83.4	86.7	90.4	91.0	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3000	86.1	89.3	93.2	94.2	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2500	87.7	91.0	95.2	96.3	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000	88.2	91.6	95.8	96.9	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	88.4	91.8	96.0	97.1	97.8	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	88.9	92.2	96.4	97.7	98.3	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	89.0	92.3	96.6	97.8	98.4	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	89.1	92.6	96.8	98.0	98.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	89.1	92.6	96.8	98.0	98.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	89.1	92.6	96.8	98.1	98.9	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	89.1	92.6	96.8	98.1	98.9	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	89.1	92.6	96.8	98.1	98.9	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	89.1	92.6	96.8	98.1	98.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	89.1	92.6	96.8	98.1	98.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	89.1	92.6	96.8	98.1	98.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	89.1	92.6	96.8	98.1	98.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	89.1	92.6	96.8	98.1	98.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	89.1	92.6	96.8	96.1	98.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
TOTAL NUMBER OF OBSERVATIONS	900																



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 76 - OCT 88  
 LST TO UTC: + 5 MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE						
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	49.3	50.2	52.1	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8
GE 20000	67.0	68.9	72.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.6	73.6	73.6
GE 18000	67.0	68.9	72.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.6	73.6	73.6
GE 16000	67.0	68.9	72.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.6	73.6	73.6
GE 14000	67.0	68.9	72.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.6	73.6	73.6
GE 12000	67.7	69.6	72.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2
GE 10000	71.2	73.3	76.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0
GE 9000	74.8	77.0	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7
GE 8000	79.0	81.3	84.6	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
GE 7000	80.9	83.4	86.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6
GE 6000	81.0	83.6	87.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8
GE 5000	81.7	84.2	87.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4
GE 4500	83.1	85.7	89.2	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 4000	84.3	86.9	90.4	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2
GE 3500	85.7	88.3	91.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8
GE 3000	87.2	90.1	93.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
GE 2500	88.4	91.6	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
GE 2000	89.0	92.1	95.9	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 1800	89.3	92.4	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 1500	89.7	92.8	96.7	98.4	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 1200	90.2	93.4	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3
GE 1000	90.2	93.4	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3
GE 900	90.2	93.4	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3
GE 800	90.3	93.6	97.4	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 700	90.3	93.6	97.4	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 600	90.3	93.6	97.4	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	90.6	93.8	97.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 400	90.6	93.8	97.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	90.6	93.8	97.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	90.6	93.8	97.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	90.6	93.8	97.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	90.6	93.8	97.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI ID UTC: + 5 MONTH: JUN HOURS: ALL

NO CEIL	VISIBILITY IN STATUTE MILES										NO CEIL					
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1		3/4	5/8	1/2	3/8	1/4
GE 20000	56.3	62.3	66.9	68.7	69.5	69.6	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.4	70.4	70.4
GE 18000	56.3	62.3	66.9	68.7	69.5	69.6	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.4	70.4	70.4
GE 16000	56.3	62.3	66.9	68.7	69.5	69.6	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.4	70.4	70.4
GE 14000	56.4	62.4	67.0	68.9	69.7	69.8	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.6	70.6	70.6
GE 12000	57.0	63.1	67.8	69.7	70.5	70.6	71.0	71.1	71.1	71.3	71.3	71.3	71.4	71.4	71.4	71.4
GE 10000	59.7	66.1	70.9	72.8	73.6	73.8	74.2	74.3	74.3	74.5	74.5	74.5	74.6	74.6	74.7	74.7
GE 9000	62.2	68.9	73.8	75.7	76.5	76.6	77.0	77.1	77.1	77.3	77.4	77.4	77.5	77.5	77.5	77.5
GE 8000	65.3	72.4	77.5	79.5	80.3	80.5	80.9	81.0	81.0	81.2	81.2	81.2	81.3	81.3	81.4	81.4
GE 7000	66.8	74.1	79.2	81.2	82.0	82.2	82.6	82.8	82.8	83.0	83.0	83.0	83.1	83.1	83.1	83.1
GE 6000	67.3	74.5	79.7	81.7	82.5	82.7	83.1	83.2	83.2	83.4	83.5	83.5	83.6	83.6	83.6	83.6
GE 5000	67.8	75.2	80.4	82.3	83.2	83.4	83.8	83.9	83.9	84.1	84.1	84.1	84.3	84.3	84.3	84.3
GE 4500	68.6	76.0	81.2	83.2	84.0	84.2	84.6	84.8	84.8	85.0	85.0	85.0	85.1	85.1	85.2	85.2
GE 4000	69.8	77.3	82.6	84.6	85.5	85.7	86.0	86.2	86.2	86.4	86.4	86.4	86.5	86.5	86.6	86.6
GE 3500	72.5	80.1	85.6	87.7	88.7	89.0	89.3	89.4	89.4	89.6	89.7	89.7	89.8	89.8	89.8	89.8
GE 3000	74.7	82.5	88.1	90.3	91.3	91.5	91.9	92.1	92.1	92.3	92.4	92.4	92.5	92.5	92.5	92.5
GE 2500	76.7	84.7	90.4	92.6	93.7	93.9	94.3	94.5	94.5	94.7	94.7	94.7	94.8	94.8	94.9	94.9
GE 2000	77.8	85.9	91.6	93.8	95.0	95.2	95.7	95.8	95.9	96.1	96.1	96.1	96.2	96.2	96.3	96.3
GE 1800	78.2	86.3	92.0	94.3	95.5	95.7	96.2	96.3	96.4	96.6	96.6	96.6	96.7	96.7	96.8	96.8
GE 1500	78.8	86.8	92.6	94.9	96.1	96.3	96.8	97.1	97.1	97.3	97.3	97.3	97.5	97.5	97.5	97.5
GE 1200	79.0	87.2	93.0	95.3	96.6	96.8	97.4	97.6	97.6	97.9	97.9	97.9	98.1	98.1	98.1	98.1
GE 1000	79.1	87.3	93.2	95.6	96.8	97.1	97.7	97.9	97.9	98.2	98.2	98.2	98.3	98.3	98.4	98.4
GE 900	79.3	87.5	93.4	95.8	97.1	97.3	97.9	98.2	98.2	98.4	98.5	98.5	98.6	98.6	98.7	98.7
GE 800	79.3	87.6	93.5	95.9	97.2	97.4	98.0	98.3	98.3	98.6	98.6	98.6	98.8	98.8	98.8	98.8
GE 700	79.4	87.7	93.6	96.1	97.3	97.6	98.2	98.4	98.5	98.7	98.8	98.8	98.9	98.9	99.0	99.0
GE 600	79.5	87.8	93.8	96.2	97.5	97.8	98.3	98.6	98.6	98.9	98.9	98.9	99.1	99.1	99.1	99.1
GE 500	79.5	87.9	93.8	96.4	97.7	98.0	98.6	98.8	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4
GE 400	79.6	87.9	93.9	96.5	97.9	98.1	98.7	99.0	99.0	99.3	99.4	99.4	99.6	99.6	99.6	99.6
GE 300	79.7	88.0	94.0	96.7	98.0	98.3	98.9	99.2	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8
GE 200	79.7	88.1	94.1	96.7	98.1	98.3	99.0	99.3	99.3	99.6	99.6	99.6	99.8	99.8	99.9	99.9
GE 100	79.7	88.1	94.1	96.7	98.1	98.3	99.0	99.3	99.3	99.6	99.6	99.6	99.8	99.8	99.9	99.9
GE 000	79.7	88.1	94.1	96.7	98.1	98.3	99.0	99.3	99.3	99.6	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	55.7	65.7	67.8	68.5	68.5	68.5	68.5	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 20000	67.7	81.6	84.3	85.1	85.1	85.1	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 18000	67.7	81.6	84.3	85.1	85.1	85.1	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 16000	67.7	81.6	84.3	85.1	85.1	85.1	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 14000	68.1	81.9	84.6	85.4	85.4	85.4	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 12000	68.7	82.8	85.5	86.2	86.2	86.2	86.2	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 10000	70.8	85.7	88.4	89.1	89.2	89.2	89.2	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 9000	73.4	88.9	91.8	92.6	92.7	92.7	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 8000	74.7	90.4	93.3	94.1	94.2	94.2	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 7000	75.3	91.2	94.1	94.9	94.9	94.9	94.9	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 6000	75.4	91.3	94.2	94.9	95.1	95.1	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 5000	75.7	91.6	94.5	95.3	95.4	95.4	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4500	75.7	91.6	94.5	95.3	95.4	95.4	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4000	76.3	92.4	95.4	96.1	96.2	96.2	96.2	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500	76.6	92.7	95.8	96.6	96.7	96.7	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3000	76.9	93.1	96.2	97.1	97.2	97.2	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	77.1	93.3	96.5	97.3	97.4	97.4	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	77.2	93.4	96.6	97.4	97.5	97.5	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1800	77.2	93.5	96.7	97.5	97.6	97.6	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	77.4	94.0	97.1	98.0	98.1	98.1	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	77.5	94.2	97.3	98.3	98.4	98.4	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	77.5	94.2	97.3	98.3	98.4	98.4	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	77.5	94.2	97.3	98.3	98.4	98.4	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	77.6	94.3	97.4	98.4	98.5	98.5	98.5	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	77.6	94.3	97.4	98.4	98.5	98.5	98.5	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	77.8	94.5	97.6	98.6	98.7	98.7	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	78.0	94.6	97.7	98.7	98.8	98.8	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	78.0	94.6	97.7	98.7	98.9	98.9	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	78.0	94.6	97.7	98.3	99.1	99.1	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	78.0	94.6	97.7	98.9	99.2	99.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.0	94.6	97.7	98.9	99.2	99.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.0	94.6	97.7	98.9	99.2	99.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UIC: 4 5

MONTH: JUL HOURS: 03-05

CEILING VISIBILITY IN STATUTE MILES

IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.1	70.4	75.1	79.0	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 20000	76.0	81.3	87.4	90.3	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.4
GE 18000	76.0	81.3	87.4	90.3	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.4
GE 16000	76.0	81.3	87.4	90.3	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.4
GE 14000	76.1	81.4	87.5	90.4	91.2	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.5
GE 12000	77.1	82.4	89.5	91.4	92.2	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.7
GE 10000	78.3	83.5	89.7	92.6	93.3	93.3	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	94.0
GE 9000	80.4	85.7	91.8	94.7	95.5	95.5	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.1
GE 8000	81.0	86.2	92.4	95.4	96.2	96.2	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.9
GE 7000	81.3	86.6	92.7	95.7	96.6	96.6	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.2
GE 6000	81.4	86.7	92.8	95.8	96.7	96.7	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.3
GE 5000	81.6	86.9	93.0	96.0	96.9	96.9	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.5
GE 4000	81.8	87.1	93.2	96.2	97.1	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7
GE 3500	81.9	87.2	93.3	96.3	97.2	97.2	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.8
GE 3000	82.3	87.5	93.8	96.8	97.6	97.6	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.3
GE 2500	82.5	87.7	94.0	97.0	97.8	97.8	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.5
GE 2000	82.5	87.7	94.0	97.0	97.8	97.8	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.5
GE 1800	82.5	87.7	94.0	97.0	97.8	97.8	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.5
GE 1500	82.5	87.7	94.0	97.0	97.8	97.8	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.5
GE 1200	82.6	87.8	94.1	97.1	98.0	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.6
GE 1000	82.6	87.8	94.2	97.3	98.2	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 900	82.6	87.8	94.2	97.3	98.2	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 800	82.6	87.8	94.2	97.3	98.2	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 700	82.6	87.8	94.2	97.3	98.2	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 600	82.7	88.0	94.3	97.4	98.3	98.3	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.9
GE 500	82.7	88.0	94.3	97.4	98.3	98.3	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.9
GE 400	82.8	88.1	94.4	97.5	98.4	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 300	82.8	88.1	94.4	97.5	98.4	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 200	82.8	88.1	94.4	97.5	98.4	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 100	82.8	88.1	94.4	97.5	98.4	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 000	82.8	88.1	94.4	97.6	98.5	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.1
TOTAL NUMBER OF OBSERVATIONS	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PEKID OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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	51.7	60.1	66.1	69.5	71.5	72.6	74.7	75.2	75.2	75.4	75.4	75.5	75.6	75.6	75.6	75.6
GE 20000	59.7	70.1	77.3	81.1	83.3	84.4	87.3	87.8	87.8	88.2	88.3	88.4	88.5	88.5	88.5	88.5
GE 18000	59.7	70.1	77.3	81.1	83.3	84.4	87.3	87.8	87.8	88.2	88.3	88.4	88.5	88.5	88.5	88.5
GE 16000	59.7	70.1	77.3	81.1	83.3	84.4	87.3	87.8	87.8	88.2	88.3	88.4	88.5	88.5	88.5	88.5
GE 14000	60.0	70.4	77.6	81.4	83.7	84.7	87.6	88.2	88.2	88.5	88.6	88.7	88.8	88.8	88.8	88.8
GE 12000	61.2	71.8	79.1	82.9	85.2	86.2	89.2	89.8	89.8	90.1	90.2	90.3	90.4	90.4	90.4	90.4
GE 10000	62.0	72.9	80.4	84.2	86.6	87.6	90.8	91.3	91.3	91.6	91.7	91.8	91.9	91.9	91.9	91.9
GE 9000	63.5	74.9	82.6	86.5	88.9	90.0	93.2	93.9	93.9	94.2	94.3	94.4	94.5	94.5	94.5	94.5
GE 8000	64.8	76.6	84.3	88.2	90.8	91.8	95.1	95.7	95.7	96.0	96.1	96.2	96.3	96.3	96.3	96.3
GE 7000	64.8	76.8	84.6	88.5	91.1	92.2	95.4	96.0	96.0	96.3	96.5	96.6	96.7	96.7	96.7	96.7
GE 6000	65.3	77.3	85.2	89.0	91.6	92.7	95.9	96.6	96.6	96.9	97.0	97.1	97.2	97.2	97.2	97.2
GE 5000	65.6	77.6	85.5	89.4	92.0	93.0	96.2	96.9	96.9	97.2	97.3	97.4	97.5	97.5	97.5	97.5
GE 4500	65.8	77.8	85.7	89.6	92.2	93.2	96.5	97.1	97.1	97.4	97.5	97.6	97.7	97.7	97.7	97.7
GE 4000	65.8	77.8	85.7	89.6	92.2	93.2	96.5	97.1	97.1	97.4	97.5	97.6	97.7	97.7	97.7	97.7
GE 3500	65.8	77.8	85.7	89.6	92.2	93.2	96.5	97.1	97.1	97.4	97.5	97.6	97.7	97.7	97.7	97.7
GE 3000	66.0	78.1	85.9	89.8	92.5	93.5	96.8	97.4	97.4	97.7	97.8	98.0	98.1	98.1	98.1	98.1
GE 2500	66.1	78.2	86.0	89.9	92.6	93.7	97.0	97.5	97.5	97.8	98.0	98.1	98.2	98.2	98.2	98.2
GE 2000	66.2	78.3	86.1	90.0	92.7	93.8	97.0	97.6	97.6	98.0	98.1	98.2	98.3	98.3	98.3	98.3
GE 1800	66.2	78.3	86.1	90.0	92.7	93.8	97.0	97.6	97.6	98.0	98.1	98.2	98.3	98.3	98.3	98.3
GE 1500	66.3	78.4	86.2	90.1	92.9	94.0	97.2	97.9	97.9	98.2	98.3	98.4	98.5	98.5	98.5	98.5
GE 1200	66.3	78.4	86.2	90.1	92.9	94.0	97.2	97.9	97.9	98.2	98.3	98.4	98.5	98.5	98.5	98.5
GE 1000	66.3	78.4	86.2	90.1	92.9	94.0	97.2	97.8	97.8	98.2	98.3	98.4	98.5	98.5	98.5	98.5
GE 900	66.3	78.4	86.2	90.1	92.9	94.0	97.2	97.8	97.8	98.2	98.3	98.4	98.5	98.5	98.5	98.5
GE 800	66.5	78.5	86.3	90.2	93.0	94.1	97.3	98.0	98.0	98.3	98.4	98.5	98.6	98.6	98.6	98.6
GE 700	66.5	78.5	86.3	90.2	93.0	94.1	97.3	98.0	98.0	98.3	98.4	98.5	98.6	98.6	98.6	98.6
GE 600	66.5	78.5	86.3	90.2	93.0	94.1	97.4	98.2	98.2	98.5	98.6	98.7	98.8	98.8	98.8	98.8
GE 500	66.5	78.5	86.3	90.3	93.1	94.2	97.6	98.4	98.4	98.7	98.8	98.9	99.0	99.0	99.0	99.0
GE 400	66.5	78.5	86.3	90.3	93.1	94.2	97.6	98.5	98.5	98.8	98.9	99.0	99.1	99.1	99.1	99.1
GE 300	66.5	78.5	86.3	90.3	93.1	94.2	97.6	98.6	98.6	98.9	99.0	99.1	99.2	99.2	99.2	99.2
GE 200	66.5	78.5	86.3	90.3	93.1	94.2	97.6	98.6	98.6	98.9	99.0	99.1	99.2	99.2	99.2	99.2
GE 100	66.5	78.5	86.3	90.3	93.1	94.2	97.6	98.6	98.6	98.9	99.0	99.1	99.2	99.2	99.2	99.2
GE 000	66.5	78.5	86.3	90.3	93.1	94.2	97.6	98.6	98.6	98.9	99.0	99.1	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	50.5	54.7	58.1	58.9	59.2	59.2	59.2	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 20000	66.7	72.4	76.2	77.3	78.0	78.0	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 18000	66.8	72.5	76.3	77.4	78.1	78.1	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 16000	66.8	72.5	76.3	77.4	78.1	78.1	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 14000	67.2	72.9	76.8	77.8	78.5	78.5	78.5	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 12000	69.7	75.4	79.2	80.3	81.1	81.1	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 10000	72.3	78.1	81.9	83.0	83.8	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 9000	73.8	79.7	83.5	84.6	85.4	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 8000	74.9	81.0	84.9	86.0	86.8	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 7000	75.5	81.5	85.6	86.7	87.4	87.4	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 6000	75.8	81.8	85.9	87.0	87.7	87.7	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 5000	75.8	81.8	85.9	87.0	87.7	87.7	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 4500	75.9	81.9	86.0	87.1	87.8	87.8	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 4000	76.1	82.2	86.2	87.3	88.1	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3500	77.0	83.0	87.2	88.3	89.0	89.0	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3000	80.4	86.6	90.9	91.9	92.7	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2500	83.3	89.6	94.0	95.1	95.8	95.8	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	84.7	91.0	95.6	96.8	97.5	97.5	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	84.9	91.2	95.8	97.0	97.7	97.7	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	85.5	91.7	96.7	98.0	98.7	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	85.5	91.7	96.7	98.1	98.8	98.8	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	85.5	91.7	96.7	98.1	98.8	98.8	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	85.6	91.8	96.8	98.2	98.9	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	85.6	91.8	96.8	98.2	98.9	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	85.6	91.8	96.8	98.2	98.9	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	85.6	91.8	96.8	98.2	98.9	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	85.6	91.8	96.8	98.2	98.9	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	85.6	91.8	96.8	98.2	98.9	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	85.6	91.8	96.8	98.2	98.9	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	85.6	91.8	96.8	98.2	98.9	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	85.6	91.8	96.8	98.2	98.9	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 000	85.6	91.8	96.8	98.2	98.9	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUL HOURS: 12-14

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	34.3	39.0	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 20000	54.5	60.3	63.1	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 18000	54.5	60.4	63.2	63.2	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 16000	54.5	60.4	63.2	63.2	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	54.9	60.9	63.7	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 12000	57.1	63.1	65.9	66.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 10000	59.5	65.9	68.7	68.8	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 9000	62.4	68.8	71.6	71.7	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 8000	62.9	69.8	72.6	72.7	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 7000	64.1	71.2	74.0	74.1	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 6000	64.3	71.5	74.4	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 5000	64.7	72.0	75.1	75.2	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 4500	64.8	72.2	75.2	75.2	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 4000	66.8	74.5	77.5	77.7	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 3500	73.8	82.3	85.6	85.8	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 3000	80.1	89.4	93.1	93.3	94.1	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	82.7	92.0	95.9	96.3	97.1	97.2	97.4	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	83.1	92.6	96.5	97.1	97.8	98.0	98.2	98.5	98.5	98.9	98.9	98.9	98.9	99.0	99.0	99.0
GE 1800	83.3	92.8	96.7	97.3	98.1	98.2	98.4	98.7	98.7	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 1500	83.4	92.9	96.8	97.5	98.3	98.4	98.6	98.9	98.9	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 1200	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 1000	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 900	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 800	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 700	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 600	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 500	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 400	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 300	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 200	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 100	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 000	83.4	93.0	96.9	97.6	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 76 - OCT 88  
 LSI TO UIC: + 5 MONTH: JUL HOURS: 15-17

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	23.4	25.3	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 20000	51.6	55.5	57.4	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 18000	51.6	55.5	57.4	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 16000	51.6	55.5	57.4	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 14000	51.9	55.9	57.8	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 12000	53.4	57.4	59.4	59.6	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 10000	56.2	60.4	62.8	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 9000	60.6	65.2	67.5	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 8000	63.4	68.0	70.4	71.0	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 7000	64.9	69.8	72.4	72.9	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 6000	55.2	70.1	72.8	73.3	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 5000	65.8	70.8	73.5	74.2	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 4500	66.8	71.8	74.7	75.4	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4000	71.9	77.2	80.6	81.3	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3500	76.8	82.2	85.9	86.6	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3000	81.4	87.7	91.8	93.0	93.9	94.1	94.2	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	83.1	88.9	93.9	95.2	95.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2000	83.2	89.0	94.0	95.3	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	83.4	89.2	94.2	95.6	95.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	83.5	89.4	94.3	95.7	95.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200	83.7	89.5	94.4	95.9	95.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	83.7	89.5	94.4	95.9	95.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	83.7	89.5	94.4	95.9	95.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	83.9	89.7	94.6	96.1	96.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	83.9	89.7	94.6	96.1	96.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	83.9	89.7	94.6	96.1	96.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 500	83.9	89.7	94.6	96.1	96.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	83.9	89.7	94.6	96.1	96.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 300	83.9	89.7	94.6	96.1	96.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 200	83.9	89.7	94.6	96.1	96.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 100	83.9	89.7	94.6	96.1	96.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 000	83.9	89.7	94.6	96.1	96.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLJLIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	26.2	28.2	29.4	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
GE 20000	54.0	60.3	62.4	63.1	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 18000	54.0	60.3	62.4	63.1	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 16000	54.0	60.3	62.4	63.1	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 14000	54.3	60.6	62.7	63.8	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 12000	55.5	61.8	64.1	65.2	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 10000	60.0	67.1	70.1	71.3	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 9000	65.7	73.7	76.9	78.1	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 8000	69.5	78.3	81.6	82.8	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 7000	71.4	80.5	84.0	85.2	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 6000	71.5	80.6	84.1	85.3	85.8	85.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 5000	72.3	81.7	85.2	86.3	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 4500	72.7	82.2	85.6	86.8	87.3	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 4000	75.3	84.8	88.5	89.7	90.2	90.2	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 3500	77.0	87.0	90.6	91.9	92.6	92.6	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3000	79.1	89.7	93.5	95.3	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	80.0	90.8	94.6	96.5	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	80.3	91.2	95.1	97.0	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 1800	80.3	91.2	95.2	97.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	80.3	91.3	95.3	97.2	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	80.5	91.6	95.6	97.5	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	80.5	91.6	95.6	97.5	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	80.5	91.6	95.6	97.5	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	80.5	91.6	95.6	97.5	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	80.6	91.7	95.7	97.6	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	80.6	91.7	95.7	97.6	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	80.6	91.8	95.8	97.7	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	80.6	91.8	95.8	97.7	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	80.6	91.8	95.9	97.8	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	80.6	91.8	95.9	97.8	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	80.6	91.8	95.9	97.8	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 000	80.6	91.8	95.9	97.8	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA  
 LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
 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	49.5	52.2	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 20000	73.2	77.6	80.4	80.5	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	73.2	77.6	80.4	80.6	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	73.2	77.6	80.4	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 14000	73.4	78.2	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 12000	74.5	79.2	81.9	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 10000	77.1	81.7	84.9	85.4	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	81.4	86.1	89.4	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 8000	83.3	88.2	91.4	91.9	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 7000	84.5	89.4	92.6	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 6000	84.8	89.7	92.8	93.4	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	85.2	90.0	93.2	93.8	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 4500	85.2	90.0	93.2	93.8	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 4000	86.0	91.1	94.3	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3500	86.9	92.2	95.8	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3000	87.3	92.6	96.2	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2500	88.1	93.3	97.1	97.7	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	88.3	93.5	97.3	98.1	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 1800	88.4	93.7	97.4	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	88.5	93.8	97.5	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 1200	88.5	93.9	97.6	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	88.5	93.9	97.6	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	88.5	93.9	97.6	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	88.6	94.0	97.7	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	88.6	94.0	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	88.7	94.1	97.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	88.7	94.1	97.8	98.8	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 400	88.9	94.3	98.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	88.9	94.3	98.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	88.9	94.3	98.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	88.9	94.3	98.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 000	88.9	94.3	98.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 946



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17	GE 18	GE 19	GE 20	GE 21	GE 22	
NO CEIL	44.7	49.4	52.2	53.2	53.7	53.8	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3
GE 20000	62.9	69.9	73.6	74.8	75.4	75.6	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 18000	62.9	69.9	73.6	74.3	75.5	75.8	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3
GE 16000	62.9	59.9	73.6	74.8	75.5	75.8	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3
GE 14000	62.3	70.3	74.5	75.2	75.9	76.0	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
GE 12000	64.7	71.7	75.5	76.7	77.4	77.6	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 10000	67.0	74.6	78.4	79.7	80.4	80.6	81.0	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 9000	70.2	77.9	81.9	83.3	84.0	84.2	84.5	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 8000	71.8	79.8	83.9	85.3	85.9	86.2	86.5	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 7000	72.7	80.9	85.0	86.4	87.2	87.3	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1
GE 6000	73.0	81.1	85.3	86.7	87.5	87.6	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4
GE 5000	73.3	81.6	85.7	87.1	87.9	88.1	88.5	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4500	73.6	81.8	86.0	87.4	88.2	88.4	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 4000	75.0	83.4	87.7	89.1	89.9	90.0	90.5	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3500	77.0	85.5	90.0	91.4	92.2	92.4	92.9	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3000	79.2	88.0	92.7	94.3	95.2	95.3	95.8	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3
GE 2500	80.4	89.2	94.0	95.6	96.6	96.7	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE 2000	80.7	89.6	94.4	96.1	97.0	97.2	97.5	98.0	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	80.8	85.7	94.5	96.2	97.2	97.3	97.9	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
GE 1500	80.9	89.9	94.7	96.5	97.4	97.6	98.2	98.4	98.4	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 1200	81.0	90.0	94.9	96.6	97.6	97.8	98.4	98.6	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	81.0	90.0	94.9	96.7	97.7	97.8	98.5	98.7	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	81.0	90.0	94.9	96.7	97.7	97.9	98.5	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	81.1	90.1	94.9	96.7	97.3	97.9	98.6	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	81.1	90.1	95.0	96.8	97.8	98.0	98.6	98.8	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
GE 600	81.2	90.2	95.0	96.8	97.8	98.0	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	81.2	90.2	95.0	96.9	97.9	98.1	98.8	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	81.2	90.2	95.1	96.9	98.0	98.2	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	81.2	90.2	95.1	96.9	98.0	98.2	98.9	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	81.2	90.2	95.1	97.0	98.1	98.3	98.9	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	81.2	90.2	95.1	97.0	98.1	98.3	98.9	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	81.2	90.2	95.1	97.0	98.1	98.3	98.9	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 7460

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI ID UTC: + 5 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	49.1	58.8	61.3	61.3	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 20000	66.9	81.3	84.1	84.3	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 18000	66.9	81.3	84.1	84.3	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 16000	66.9	81.3	84.1	84.3	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 14000	66.9	81.3	84.1	84.3	84.9	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 12000	67.2	81.8	84.6	84.8	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 10000	69.2	84.0	86.5	87.0	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 9000	71.8	87.0	89.8	90.0	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 8000	74.5	90.2	93.0	93.2	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 7000	75.8	91.7	94.5	94.7	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 6000	75.9	91.8	94.6	94.8	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 5000	76.2	92.4	95.2	95.4	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4500	76.5	92.7	95.5	95.7	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 4000	76.8	93.1	95.9	96.1	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3500	77.1	93.4	96.2	96.5	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3000	77.3	93.7	96.5	96.7	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	77.5	94.1	96.9	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	77.8	94.5	97.3	97.5	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	78.1	94.7	97.5	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	78.4	95.1	97.8	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	78.5	95.2	98.0	98.2	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	78.6	95.3	98.1	98.3	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	78.7	95.4	98.2	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	78.9	95.6	98.4	98.6	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	79.0	95.7	98.5	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	79.0	95.7	98.5	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	79.0	95.7	98.5	98.8	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	79.0	95.7	98.6	98.9	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	79.0	95.7	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.0	95.7	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.0	95.7	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.0	95.7	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: AUG HOURS: 03-05

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	64.8	67.5	71.9	72.9	74.0	74.0	74.3	74.5	74.5	74.5	74.5	74.5	74.8	74.8	74.9	74.9
GE 20000	76.3	80.5	85.5	87.4	88.5	88.5	88.9	89.1	89.1	89.2	89.4	89.4	89.7	89.7	89.8	89.8
GE 18000	76.3	80.5	85.5	87.4	88.5	88.5	88.9	89.1	89.1	89.2	89.4	89.4	89.7	89.7	89.8	89.8
GE 16000	76.3	80.5	85.5	87.4	88.5	88.5	88.9	89.1	89.1	89.2	89.4	89.4	89.7	89.7	89.8	89.8
GE 14000	76.5	80.6	85.6	87.5	88.6	88.6	89.0	89.2	89.2	89.4	89.5	89.5	89.8	89.8	89.9	89.9
GE 12000	76.6	80.8	85.7	87.6	88.7	88.7	89.4	89.6	89.6	89.7	89.8	89.8	90.1	90.1	90.2	90.2
GE 10000	77.6	81.8	86.8	88.7	89.8	89.8	90.5	90.8	90.8	90.9	91.0	91.0	91.3	91.3	91.4	91.4
GE 9000	79.5	83.7	88.7	90.8	91.8	91.8	92.6	92.8	92.8	92.9	93.0	93.0	93.3	93.3	93.4	93.4
GE 8000	81.1	85.3	90.5	92.7	93.8	93.8	94.5	94.7	94.7	94.8	94.9	94.9	95.3	95.3	95.4	95.4
GE 7000	81.5	85.7	91.0	93.1	94.2	94.2	94.9	95.2	95.2	95.3	95.4	95.4	95.7	95.7	95.8	95.8
GE 6000	81.5	85.7	91.0	93.1	94.2	94.2	94.9	95.2	95.2	95.3	95.4	95.4	95.7	95.7	95.8	95.8
GE 5000	82.3	86.5	91.8	94.0	95.1	95.1	95.8	96.0	96.0	96.1	96.2	96.2	96.6	96.6	96.7	96.7
GE 4500	82.6	86.8	92.2	94.3	95.4	95.4	96.1	96.3	96.3	96.5	96.6	96.6	96.9	96.9	97.0	97.0
GE 4000	83.0	87.2	92.6	94.7	95.8	95.8	96.5	96.8	96.8	96.9	97.0	97.0	97.3	97.3	97.4	97.4
GE 3500	83.2	87.4	92.8	94.9	96.0	96.0	96.8	97.0	97.0	97.1	97.2	97.2	97.5	97.5	97.6	97.6
GE 3000	83.5	87.7	93.2	95.4	96.5	96.5	97.2	97.4	97.4	97.5	97.6	97.6	98.0	98.0	98.1	98.1
GE 2500	83.5	87.7	93.2	95.4	96.5	96.5	97.2	97.4	97.4	97.5	97.6	97.6	98.0	98.0	98.1	98.1
GE 2000	83.5	87.7	93.2	95.4	96.5	96.5	97.2	97.4	97.4	97.5	97.6	97.6	98.0	98.0	98.1	98.1
GE 1800	83.7	87.8	93.3	95.5	96.6	96.6	97.3	97.5	97.5	97.6	97.7	97.7	98.1	98.1	98.2	98.2
GE 1500	83.9	88.1	93.5	95.7	96.8	96.8	97.5	97.7	97.7	97.9	98.0	98.0	98.3	98.3	98.4	98.4
GE 1200	84.1	88.3	93.8	95.9	97.0	97.0	97.7	98.0	98.0	98.1	98.2	98.2	98.5	98.5	98.6	98.6
GE 1000	84.1	88.3	93.8	95.9	97.0	97.0	97.7	98.0	98.0	98.1	98.2	98.2	98.5	98.5	98.6	98.6
GE 900	84.3	88.5	94.0	96.1	97.2	97.2	98.0	98.2	98.2	98.3	98.4	98.4	98.7	98.7	98.8	98.8
GE 800	84.4	88.6	94.1	96.2	97.3	97.3	98.1	98.3	98.3	98.4	98.5	98.5	98.8	98.8	98.9	98.9
GE 700	84.4	88.6	94.1	96.2	97.3	97.3	98.1	98.3	98.3	98.4	98.5	98.5	98.8	98.8	98.9	98.9
GE 600	84.4	88.6	94.1	96.2	97.3	97.3	98.1	98.3	98.3	98.4	98.5	98.5	98.8	98.8	98.9	98.9
GE 500	84.6	88.8	94.3	96.5	97.5	97.5	98.3	98.5	98.5	98.6	98.7	98.7	99.0	99.0	99.1	99.1
GE 400	84.7	88.9	94.4	96.6	97.6	97.6	98.4	98.6	98.6	98.7	98.8	98.8	99.1	99.1	99.2	99.2
GE 300	84.7	88.9	94.5	96.7	97.7	97.7	98.5	98.7	98.7	98.8	98.9	98.9	99.2	99.2	99.4	99.4
GE 200	84.7	88.9	94.5	96.7	97.7	97.7	98.5	98.7	98.7	98.8	98.9	98.9	99.2	99.2	99.4	99.4
GE 100	84.7	88.9	94.5	96.7	97.7	97.7	98.5	98.7	98.7	98.8	98.9	98.9	99.5	99.5	99.8	99.8
GE 000	84.7	88.9	94.5	96.7	97.7	97.7	98.5	98.7	98.7	98.8	98.9	98.9	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 86  
 LST TO UTC: + 5 MONTH: AUG HOURS: 06-08

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	50.1	60.3	68.2	70.1	71.5	71.5	72.4	72.4	72.4	72.6	72.8	72.8	73.0	73.1	73.4	73.7
GE 20000	58.9	71.7	80.4	82.5	84.4	84.5	85.5	85.5	85.5	85.6	86.0	86.0	86.2	86.3	86.7	86.9
GE 18000	58.9	71.7	80.4	82.5	84.4	84.5	85.5	85.5	85.5	85.8	86.0	86.0	86.2	86.3	86.7	86.9
GE 16000	58.9	71.7	80.4	82.5	84.4	84.5	85.5	85.5	85.5	85.8	86.0	86.0	86.2	86.3	86.7	86.9
GE 14000	59.0	71.8	80.5	82.6	84.5	84.6	85.6	85.6	85.6	85.9	86.1	86.1	86.3	86.5	86.8	87.0
GE 12000	59.8	72.7	81.4	83.4	85.4	85.5	86.5	86.5	86.5	86.8	87.0	87.0	87.2	87.3	87.6	87.8
GE 10000	61.5	75.2	84.0	86.0	88.1	88.2	89.2	89.2	89.2	89.6	89.8	89.8	90.0	90.1	90.4	90.6
GE 9000	63.7	77.5	86.5	88.5	90.6	90.8	91.8	91.8	91.8	92.2	92.4	92.4	92.6	92.7	93.0	93.2
GE 8000	65.4	79.5	88.4	90.4	92.6	92.7	93.8	93.8	93.8	94.1	94.3	94.3	94.5	94.6	94.9	95.2
GE 7000	66.5	80.6	89.6	91.6	93.8	93.9	94.9	94.9	94.9	95.3	95.5	95.5	95.8	95.8	96.1	96.3
GE 6000	66.7	80.9	89.8	91.8	94.0	94.1	95.2	95.2	95.2	95.5	95.7	95.7	95.9	96.0	96.3	96.6
GE 5000	66.8	81.0	89.9	91.9	94.1	94.2	95.3	95.3	95.3	95.6	95.8	95.8	96.0	96.1	96.5	96.7
GE 4500	67.1	81.3	90.2	92.3	94.4	94.5	95.6	95.6	95.6	95.9	96.1	96.1	96.3	96.5	96.8	97.0
GE 4000	67.2	81.4	90.3	92.4	94.5	94.6	95.7	95.7	95.7	96.0	96.2	96.2	96.5	96.6	96.9	97.1
GE 3500	67.3	81.5	90.4	92.5	94.6	94.7	95.9	95.9	95.9	96.2	96.5	96.5	96.7	96.8	97.1	97.3
GE 3000	67.3	81.5	90.5	92.6	94.7	94.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.9	97.2	97.4
GE 2500	67.4	81.6	90.6	92.7	94.8	94.9	96.1	96.1	96.1	96.5	96.7	96.7	96.9	97.0	97.3	97.5
GE 2000	67.6	81.8	90.9	92.9	95.1	95.2	96.3	96.3	96.3	96.7	96.9	96.9	97.1	97.2	97.5	97.7
GE 1800	67.6	81.8	90.9	92.9	95.1	95.2	96.3	96.3	96.3	96.7	96.9	96.9	97.1	97.2	97.5	97.7
GE 1500	67.7	81.9	91.0	93.0	95.2	95.3	96.5	96.5	96.5	96.8	97.0	97.0	97.2	97.3	97.6	97.8
GE 1200	67.8	82.0	91.1	93.1	95.3	95.4	96.6	96.6	96.6	96.9	97.1	97.1	97.3	97.4	97.7	98.0
GE 1000	67.8	82.0	91.1	93.1	95.3	95.4	96.7	96.7	96.7	97.0	97.2	97.2	97.4	97.5	97.8	98.1
GE 900	68.0	82.3	91.3	93.3	95.5	95.6	96.9	96.9	96.9	97.2	97.4	97.4	97.6	97.7	98.1	98.3
GE 800	68.0	82.3	91.3	93.3	95.5	95.6	96.9	96.9	96.9	97.2	97.4	97.4	97.6	97.7	98.1	98.3
GE 700	68.2	82.5	91.5	93.5	95.7	95.8	97.1	97.1	97.1	97.4	97.6	97.6	97.8	98.0	98.3	98.5
GE 600	68.2	82.5	91.5	93.5	95.7	95.8	97.1	97.1	97.1	97.4	97.6	97.6	97.8	98.0	98.3	98.5
GE 500	68.3	82.7	91.8	93.9	96.0	96.1	97.5	97.5	97.5	97.8	98.1	98.1	98.3	98.4	98.7	98.9
GE 400	68.3	82.8	91.9	94.0	96.1	96.2	97.7	97.7	97.7	98.1	98.3	98.3	98.5	98.6	98.9	99.1
GE 300	68.3	82.8	91.9	94.0	96.1	96.2	97.7	97.7	97.7	98.1	98.3	98.3	98.5	98.6	98.9	99.2
GE 200	68.3	82.8	91.9	94.0	96.1	96.3	97.8	97.8	97.8	98.0	98.3	98.3	98.5	98.7	98.8	99.2
GE 100	68.3	82.8	91.9	94.0	96.1	96.3	97.8	97.8	97.8	98.0	98.3	98.3	98.6	98.9	99.0	99.6
GE 000	68.3	82.8	91.9	94.0	96.1	96.3	97.8	97.8	97.8	98.0	98.3	98.3	98.6	98.9	99.0	99.6

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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	52.8	54.5	55.7	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 20000	70.9	73.0	74.2	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 18000	70.9	73.0	74.2	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 16000	70.9	73.0	74.2	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 14000	71.2	73.3	74.5	74.9	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 12000	72.2	74.3	75.5	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 10000	74.7	76.9	78.1	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 9000	76.0	78.4	79.6	80.0	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 8000	78.0	80.3	81.5	81.9	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 7000	78.5	80.9	82.0	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 6000	78.7	81.1	82.3	82.7	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 5000	79.0	81.4	82.6	83.0	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 4500	79.5	81.8	83.0	83.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 4000	79.7	82.0	83.2	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3500	81.6	84.0	85.2	85.6	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 3000	84.9	87.3	88.5	88.9	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2500	88.8	91.2	92.4	92.8	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	91.4	93.8	94.9	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	92.3	94.6	95.8	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	93.4	95.9	97.1	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	94.2	96.7	98.0	98.4	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	94.2	96.9	98.2	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	94.3	97.0	98.3	98.7	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	94.4	97.1	98.4	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	94.4	97.1	98.4	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	94.4	97.1	98.4	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	94.4	97.1	98.4	98.8	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 400	94.4	97.1	98.4	98.8	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 300	94.4	97.1	98.4	98.8	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 200	94.4	97.1	98.4	98.8	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 100	94.4	97.1	98.4	98.8	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 000	94.4	97.1	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: AUG HOURS: 12-14

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

.....  
 CEILING  
 IN VISIBILITY IN STATUTE MILES  
 FEET

	7	6	5	4	3	2 1/2	2	1 1/2	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	32.6	34.9	36.0	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 20000	56.1	59.2	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 18000	56.1	59.2	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 16000	56.1	59.2	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 14000	56.2	59.4	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 12000	57.1	60.3	61.6	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 10000	59.6	62.9	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 9000	61.6	64.9	66.3	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 8000	63.1	66.7	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 7000	62.7	67.2	68.8	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 6000	64.2	67.7	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 5000	64.7	68.3	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4500	65.4	68.9	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4000	68.4	72.2	74.1	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 3500	77.8	82.4	84.9	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3000	84.2	89.1	92.2	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2500	87.4	92.7	95.7	96.5	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000	88.3	93.5	96.6	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	88.4	93.7	96.7	97.4	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	88.4	93.8	96.8	97.5	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	88.4	93.8	96.9	97.6	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 100	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 000	88.4	93.8	96.9	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: AUG HOURS: 15-17

CEILING VISIBILITY IN STATUTE MILES

IN FEET	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	23.5	24.5	25.6	25.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
GE 20000	56.3	57.4	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 18000	56.3	57.4	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 16000	56.5	57.5	58.8	59.0	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 14000	56.6	57.6	58.9	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 12000	57.3	58.4	59.7	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 10000	61.8	63.0	64.6	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 9000	65.8	67.2	68.8	69.1	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 8000	69.7	71.3	73.0	73.3	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 7000	71.5	73.4	75.2	75.5	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 6000	72.2	74.1	75.8	76.1	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 5000	73.2	75.2	76.9	77.2	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 4500	73.7	75.6	77.3	77.6	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 4000	77.4	79.6	81.6	82.2	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3500	82.9	85.3	87.8	88.7	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3000	87.6	90.4	93.4	94.5	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 2500	88.6	91.6	94.8	96.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	88.9	92.2	95.6	96.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1800	88.9	92.2	95.6	96.8	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 1500	89.1	92.5	95.9	97.2	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 1200	89.5	92.8	96.2	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	89.5	92.8	96.2	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	89.5	92.8	96.2	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	89.6	93.0	96.6	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	89.6	93.0	96.6	98.1	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 600	89.7	93.1	96.7	98.2	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 500	89.7	93.1	96.7	98.2	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 400	89.7	93.1	96.7	98.2	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 300	89.7	93.1	96.7	98.2	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 200	89.7	93.1	96.7	98.2	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 100	89.7	93.1	96.7	98.2	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 000	89.7	93.1	96.7	98.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI ID UTC: + 5      MONTH: AUG      HOURS: 18-20

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	22.5	24.3	25.2	25.3	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
GE 20000	60.1	66.3	67.4	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 18000	60.1	66.3	67.4	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 16000	60.1	66.3	67.4	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 14000	60.1	66.3	67.4	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 12000	61.3	67.6	68.7	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 10000	66.7	73.9	74.9	75.1	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 9000	71.6	79.6	80.6	80.8	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	75.4	84.2	85.3	85.4	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	77.3	86.1	87.3	87.4	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 6000	77.6	86.6	87.7	87.8	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 5000	78.4	87.5	88.7	88.8	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 4500	78.9	88.1	89.2	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 4000	80.4	89.7	91.0	91.1	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3500	81.8	91.4	93.0	93.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3000	83.2	93.0	94.9	95.1	96.0	96.0	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	84.1	93.9	95.9	96.1	97.2	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	84.5	94.4	96.6	96.8	97.8	97.8	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	84.8	94.7	97.0	97.2	98.3	98.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	84.8	94.7	97.0	97.2	98.3	98.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	85.1	94.9	97.2	97.4	98.6	98.7	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	85.1	94.9	97.2	97.4	98.6	98.7	99.0	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5
GE 900	85.1	94.9	97.2	97.4	98.6	98.7	99.0	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5
GE 800	85.1	94.9	97.2	97.4	98.6	98.7	99.0	99.1	99.1	99.1	99.5	99.6	99.6	99.6	99.6	99.6
GE 700	85.1	94.9	97.3	97.5	98.7	98.8	99.1	99.2	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7
GE 600	85.1	94.9	97.3	97.5	98.7	98.8	99.1	99.2	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7
GE 500	85.1	94.9	97.3	97.5	98.7	98.8	99.2	99.4	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9
GE 400	85.1	94.9	97.3	97.5	98.7	98.8	99.2	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	85.1	94.9	97.3	97.5	98.7	98.8	99.2	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	85.1	94.9	97.3	97.5	98.7	98.8	99.2	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	85.1	94.9	97.3	97.5	98.7	98.8	99.2	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: AUG HOURS: 21-23

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

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	43.7	44.7	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 20000	74.6	75.8	76.5	76.5	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 18000	74.6	75.8	76.5	76.5	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 16000	74.6	75.8	76.5	76.5	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 14000	74.6	75.8	76.5	76.5	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	75.5	76.7	77.3	77.3	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 10000	79.6	81.3	82.0	82.0	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 9000	84.4	86.1	86.9	86.9	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 8000	87.5	89.2	90.2	90.2	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 7000	89.0	90.8	91.8	91.8	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 6000	89.2	91.0	92.0	92.0	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 5000	89.7	91.4	92.6	92.6	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 4500	90.3	92.0	93.2	93.2	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 4000	91.0	92.7	93.9	93.9	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3500	91.8	93.5	94.8	94.8	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3000	93.2	95.1	96.6	96.6	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	93.8	95.7	97.4	97.4	98.0	98.0	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	94.2	96.1	97.8	97.8	98.4	98.4	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	94.4	96.3	98.2	98.2	98.7	98.7	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	94.4	96.3	98.2	98.2	98.7	98.7	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	94.5	96.5	98.3	98.3	98.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	94.5	96.5	98.3	98.3	98.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	94.5	96.5	98.3	98.3	98.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	94.5	96.5	98.3	98.3	98.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	94.5	96.5	98.3	98.3	98.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	94.5	96.5	98.3	98.3	98.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.5	96.5	98.3	98.3	98.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.5	96.5	98.3	98.3	98.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.5	96.5	98.3	98.3	98.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.5	96.5	98.3	98.3	98.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.5	96.5	98.3	98.3	98.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.5	96.5	98.3	98.3	98.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UIC: + 5 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	42.4	46.2	48.6	49.1	49.7	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0	50.1
GE 20000	65.0	70.7	73.4	74.1	74.7	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.3
GE 18000	65.0	70.7	73.4	74.1	74.7	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.3
GE 16000	65.0	70.7	73.4	74.1	74.7	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.3
GE 14000	65.1	70.8	73.5	74.2	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.4	75.4
GE 12000	65.9	71.6	74.3	75.0	75.6	75.7	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.2	76.2
GE 10000	68.8	74.9	77.7	78.3	79.0	79.0	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.6	79.6
GE 9000	71.8	78.1	80.9	81.6	82.4	82.4	82.7	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.9	83.0
GE 8000	74.3	80.8	83.8	84.5	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.9
GE 7000	75.5	82.1	85.0	85.7	86.5	86.5	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.1	87.1
GE 6000	75.8	82.4	85.3	86.0	86.8	86.8	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.4	87.4
GE 5000	76.3	82.9	85.9	86.6	87.4	87.4	87.8	87.8	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.0
GE 4500	76.7	83.4	86.4	87.1	87.9	87.9	88.2	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.5	88.5
GE 4000	78.0	84.7	87.8	88.5	89.4	89.4	89.8	89.8	89.8	89.8	89.9	89.9	89.9	90.0	90.0	90.0
GE 3500	80.5	87.4	90.7	91.4	92.3	92.3	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.9	93.0	93.0
GE 3000	82.7	89.7	93.2	94.1	95.0	95.0	95.4	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.7	95.7
GE 2500	83.9	91.1	94.6	95.6	96.5	96.6	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.3	97.3	97.3
GE 2000	84.5	91.8	95.4	96.3	97.3	97.3	97.8	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.1
GE 1800	84.8	92.0	95.6	96.6	97.6	97.6	98.1	98.1	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4
GE 1500	85.0	92.3	95.9	96.9	97.9	97.9	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.8	98.8
GE 1200	85.3	92.5	96.2	97.1	98.2	98.2	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.1	99.1	99.1
GE 1000	85.3	92.5	96.2	97.2	98.2	98.2	98.8	98.8	98.8	99.0	99.0	99.1	99.1	99.2	99.2	99.2
GE 900	85.3	92.6	96.3	97.3	98.3	98.4	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.3
GE 800	85.4	92.7	96.4	97.4	98.4	98.5	99.0	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.4	99.4
GE 700	85.4	92.8	96.4	97.4	98.5	98.5	99.0	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.5	99.5
GE 600	85.5	92.8	96.5	97.4	98.5	98.6	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.5	99.5
GE 500	85.5	92.8	96.5	97.5	98.6	98.7	99.2	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7
GE 400	85.5	92.8	96.6	97.6	98.7	98.7	99.2	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.8
GE 300	85.5	92.8	96.6	97.6	98.7	98.7	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.8
GE 200	85.5	92.8	96.6	97.6	98.7	98.8	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.8
GE 100	85.5	92.8	96.6	97.6	98.7	98.8	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.8	99.9	99.9
GE 000	85.5	92.8	96.6	97.6	98.7	98.8	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: OKLANDU IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP HOURS: 00-02

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING VISIBILITY IN STATUTE MILES

NO CEIL	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	49.8	59.4	60.8	61.3	62.2	62.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 20000	63.3	76.3	78.2	78.9	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	63.3	76.3	78.2	78.9	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	63.3	76.3	78.2	78.9	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	63.3	76.4	78.3	79.0	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 12000	63.9	77.0	79.9	79.6	80.7	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 10000	64.8	78.6	80.4	81.1	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 9000	66.8	81.1	83.4	84.1	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 8000	68.6	83.3	85.9	86.7	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 7000	70.8	86.1	88.8	89.6	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 6000	70.9	86.3	89.0	89.8	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 5000	71.8	87.7	90.4	91.2	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4500	72.2	88.1	90.9	91.7	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4000	72.6	88.6	91.3	92.1	93.3	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 3500	73.2	89.4	92.3	93.1	94.3	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3000	73.9	90.7	93.7	94.4	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	74.3	91.4	94.4	95.2	96.4	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	74.6	91.7	94.8	95.6	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1800	74.8	91.9	95.0	95.8	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1500	75.0	92.2	95.4	96.2	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	75.2	92.4	95.7	96.4	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	75.4	92.8	96.0	96.9	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	75.6	92.9	96.1	97.0	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	75.6	92.9	96.1	97.1	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	75.6	92.9	96.1	97.1	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	75.9	93.2	96.6	97.7	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	75.9	93.3	96.8	97.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	76.1	93.6	97.1	98.2	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	76.1	93.6	97.1	98.2	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	76.1	93.6	97.1	98.2	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	76.1	93.6	97.1	98.2	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	76.1	93.6	97.1	98.2	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI ID UTC: + 5 MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	57.3	60.7	65.4	67.1	69.2	69.2	69.4	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7
GE 20000	68.3	72.7	76.0	79.9	82.2	82.2	82.4	82.6	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0
GE 18000	68.3	72.7	78.0	79.9	82.2	82.2	82.4	82.6	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0
GE 16000	68.3	72.7	78.0	79.9	82.2	82.2	82.4	82.6	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0
GE 14000	68.3	72.7	78.0	79.9	82.2	82.2	82.4	82.6	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0
GE 12000	68.4	72.8	78.1	80.0	82.3	82.3	82.5	82.7	82.7	83.0	83.0	83.0	83.1	83.1	83.1	83.1
GE 10000	70.7	75.1	80.6	82.4	84.8	84.8	85.0	85.1	85.1	85.4	85.4	85.4	85.6	85.6	85.6	85.6
GE 9000	72.0	76.8	82.7	84.6	86.9	86.9	87.1	87.2	87.2	87.6	87.6	87.6	87.7	87.7	87.7	87.7
GE 8000	73.4	78.2	84.1	86.1	88.6	88.6	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3
GE 7000	75.9	80.7	86.6	88.6	91.0	91.0	91.2	91.3	91.3	91.7	91.7	91.7	91.8	91.8	91.8	91.8
GE 6000	76.0	80.8	86.7	88.7	91.1	91.1	91.3	91.4	91.4	91.8	91.8	91.8	91.9	91.9	91.9	91.9
GE 5000	76.6	81.3	87.3	89.3	91.8	91.8	92.0	92.1	92.1	92.4	92.4	92.4	92.6	92.6	92.6	92.6
GE 4500	76.7	81.4	87.4	89.4	91.9	91.9	92.1	92.2	92.2	92.6	92.6	92.6	92.7	92.7	92.7	92.7
GE 4000	77.0	81.8	87.8	89.8	92.3	92.3	92.5	92.7	92.7	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 3500	78.3	83.2	89.2	91.2	93.8	93.8	94.0	94.1	94.1	94.4	94.4	94.4	94.6	94.6	94.6	94.6
GE 3000	79.0	83.9	90.1	92.3	94.9	94.9	95.1	95.2	95.2	95.6	95.6	95.6	95.7	95.7	95.7	95.7
GE 2500	79.2	84.1	90.4	92.8	95.3	95.3	95.6	95.7	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.2
GE 2000	79.9	84.9	91.2	93.5	96.1	96.1	96.3	96.4	96.4	96.8	96.8	96.8	97.0	97.0	97.0	97.0
GE 1800	80.0	85.0	91.6	93.9	95.4	95.4	95.7	97.0	97.0	97.3	97.3	97.3	97.6	97.6	97.6	97.6
GE 1500	80.6	85.6	92.1	94.6	97.1	97.1	97.3	97.7	97.7	98.0	98.0	98.0	98.2	98.2	98.2	98.2
GE 1200	80.8	85.8	92.3	94.8	97.3	97.3	97.6	97.9	97.9	98.2	98.2	98.2	98.4	98.4	98.4	98.4
GE 1000	81.0	86.0	92.6	95.0	97.6	97.6	97.8	98.1	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7
GE 900	81.3	86.3	92.9	95.3	97.9	97.9	98.1	98.4	98.4	98.8	98.8	98.8	99.0	99.0	99.0	99.0
GE 800	81.6	86.7	93.2	95.7	98.2	98.2	98.4	98.8	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
GE 700	81.6	86.7	93.2	95.7	98.2	98.2	98.4	98.8	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
GE 600	81.6	86.7	93.2	95.7	98.2	98.2	98.4	98.8	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
GE 500	81.8	86.9	93.4	95.9	98.4	98.4	98.7	99.0	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6
GE 400	81.9	87.0	93.7	96.3	98.9	98.9	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	81.9	87.0	93.7	96.3	98.9	98.9	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	81.9	87.0	93.7	96.3	98.9	98.9	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	81.9	87.0	93.7	96.3	98.9	98.9	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	81.9	87.0	93.7	96.3	98.9	98.9	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE		
	7	6	5	4	3	2	1 1/2	2	1 1/2	1	1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	42.8	54.0	58.3	60.4	63.2	63.8	65.0	65.1	65.1	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
GE 20000	51.9	65.3	70.7	73.0	76.0	76.8	75.0	78.1	78.1	78.6	78.9	78.9	78.9	78.9	79.0	79.0	79.1	79.4
GE 18000	51.9	65.3	70.7	73.0	76.0	76.8	75.0	78.1	78.1	78.6	78.9	78.9	78.9	78.9	79.0	79.0	79.1	79.4
GE 16000	51.9	65.3	70.7	73.0	76.0	76.8	75.0	78.1	78.1	78.6	78.9	78.9	78.9	78.9	79.0	79.0	79.1	79.4
GE 14000	51.9	65.3	70.7	73.0	76.0	76.8	75.0	78.1	78.1	78.6	78.9	78.9	78.9	78.9	79.0	79.0	79.1	79.4
GE 12000	52.2	56.1	71.4	73.8	76.8	77.6	78.8	78.9	78.9	79.3	79.7	79.7	79.7	79.7	79.8	79.8	79.9	80.2
GE 10000	54.3	69.1	74.4	76.8	79.8	80.6	81.8	81.9	81.9	82.3	82.7	82.7	82.7	82.8	82.8	82.8	82.9	83.2
GE 9000	56.7	71.4	77.8	80.6	83.6	84.3	85.5	85.7	85.7	86.1	86.4	86.4	86.4	86.6	86.6	86.6	86.7	87.0
GE 8000	58.9	74.4	80.8	83.6	86.3	87.6	88.3	88.9	88.9	89.3	89.7	89.7	89.7	89.8	89.8	89.8	89.9	90.2
GE 7000	59.7	75.3	81.7	84.4	87.7	88.4	89.7	89.8	89.8	90.2	90.6	90.6	90.6	90.7	90.7	90.7	90.8	91.1
GE 6000	59.9	75.6	81.9	84.7	87.9	88.7	89.9	90.0	90.0	90.4	90.8	90.8	90.8	90.9	90.9	90.9	91.0	91.3
GE 5000	60.1	75.9	82.2	85.0	88.2	89.0	90.2	90.3	90.3	90.8	91.1	91.1	91.1	91.2	91.2	91.2	91.3	91.7
GE 4500	60.2	76.1	82.4	85.2	88.4	89.2	90.4	90.6	90.6	91.0	91.3	91.3	91.3	91.4	91.4	91.4	91.6	91.9
GE 4000	60.7	76.6	82.9	85.7	88.9	89.7	90.9	91.0	91.0	91.4	91.8	91.8	91.8	91.9	91.9	91.9	92.0	92.3
GE 3500	61.3	77.3	83.8	86.6	89.8	90.6	91.8	91.9	91.9	92.3	92.7	92.7	92.7	92.8	92.8	92.8	92.9	93.2
GE 3000	61.8	77.8	84.3	87.1	90.3	91.1	92.3	92.4	92.4	92.9	93.2	93.2	93.2	93.3	93.3	93.4	93.4	93.8
GE 2500	62.2	78.3	84.9	87.8	91.0	91.6	93.0	93.1	93.1	93.6	93.9	93.9	93.9	94.0	94.0	94.1	94.1	94.4
GE 2000	62.7	78.9	85.6	88.4	91.7	92.4	93.7	93.8	93.8	94.2	94.6	94.6	94.6	94.7	94.7	94.8	94.8	95.1
GE 1800	62.9	79.1	85.9	88.8	92.0	92.8	94.0	94.1	94.1	94.6	94.9	94.9	94.9	95.0	95.0	95.1	95.1	95.4
GE 1500	63.0	79.4	86.2	89.2	92.4	93.2	94.4	94.6	94.6	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.6	95.9
GE 1200	63.2	79.8	86.7	89.7	93.0	93.8	95.0	95.1	95.1	95.6	95.9	95.9	95.9	96.0	96.0	96.1	96.1	96.4
GE 1000	63.9	80.4	87.3	90.6	93.8	94.6	95.8	95.9	95.9	96.3	96.7	96.7	96.7	96.8	96.8	96.9	97.2	97.7
GE 900	64.2	80.8	87.7	90.9	94.2	95.0	96.2	96.3	96.3	96.8	97.1	97.1	97.1	97.2	97.2	97.3	97.4	97.8
GE 800	64.2	80.8	87.8	91.0	94.3	95.1	96.3	96.4	96.4	96.9	97.2	97.2	97.2	97.3	97.3	97.4	97.4	97.8
GE 700	64.3	81.0	88.0	91.2	94.6	95.3	96.6	96.7	96.7	97.1	97.4	97.4	97.4	97.6	97.6	97.7	97.7	98.0
GE 600	64.7	81.4	88.4	91.7	95.0	95.9	97.1	97.2	97.2	97.7	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.7
GE 500	64.8	81.6	88.6	91.9	95.2	96.1	97.3	97.4	97.4	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.6	98.9
GE 400	65.0	81.8	88.8	92.1	95.4	96.3	97.6	97.7	97.7	98.2	98.6	98.6	98.6	98.7	98.7	98.8	98.8	99.1
GE 300	65.0	81.8	88.8	92.1	95.4	96.3	97.6	97.7	97.7	98.2	98.6	98.6	98.6	98.7	98.7	98.9	98.9	99.2
GE 200	65.0	81.8	88.8	92.1	95.4	96.3	97.7	97.8	97.8	98.3	98.7	98.7	98.7	98.8	98.8	99.1	99.1	99.4
GE 100	65.0	81.8	88.8	92.1	95.4	96.3	97.7	97.8	97.8	98.3	98.7	98.7	98.7	98.8	98.8	99.1	99.1	99.8
GE 000	65.0	81.8	88.8	92.1	95.4	96.3	97.7	97.8	97.8	98.3	98.7	98.7	98.7	98.8	98.8	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 700

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: SEP HOURS: 09-11

CEILING VISIBILITY IN STATUTE MILES

IN FEET	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	47.9	49.8	50.9	51.6	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 20000	64.6	67.7	59.3	70.1	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 18000	64.6	67.7	59.3	70.1	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 16000	64.6	67.7	59.3	70.1	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 14000	64.6	67.7	59.3	70.1	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 12000	65.3	68.4	70.1	70.9	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 10000	69.9	73.0	75.1	75.9	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 9000	72.7	76.0	78.2	79.0	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 8000	74.9	78.4	80.5	81.5	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 7000	75.9	79.4	81.8	82.6	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 6000	76.0	79.6	81.9	82.7	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 5000	76.8	80.3	82.7	83.4	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 4500	77.0	80.6	82.9	83.7	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 4000	77.2	80.8	83.1	83.9	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 3500	77.6	81.2	83.6	84.3	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 3000	80.2	84.0	86.3	87.2	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500	83.0	87.0	89.3	90.3	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2000	85.3	89.4	92.0	93.0	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1800	86.3	90.4	93.1	94.1	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1500	87.7	91.8	94.7	95.7	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1200	88.9	93.0	95.9	97.1	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	89.4	93.6	96.4	97.7	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	89.6	93.7	96.7	97.9	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	90.0	94.1	97.1	98.3	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	90.1	94.2	97.2	98.6	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	90.2	94.3	97.3	98.7	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	90.2	94.3	97.3	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	90.2	94.3	97.4	98.9	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	90.2	94.3	97.4	98.9	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	90.2	94.3	97.4	98.9	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	90.2	94.3	97.4	98.9	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	90.2	94.3	97.4	98.9	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 900

OPERATING LOCATION: WAW  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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	33.3	35.8	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 20000	54.1	53.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	54.1	58.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 16000	54.1	58.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 14000	54.6	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 12000	55.1	59.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 10000	58.4	63.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 9020	60.3	65.7	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 8000	62.0	67.7	69.2	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 7000	63.9	69.7	71.2	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 6000	64.6	70.3	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 5000	64.3	70.7	72.2	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 4500	65.6	71.4	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 4000	67.4	73.8	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3500	75.4	82.1	83.9	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3000	80.4	87.6	89.8	90.3	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 2500	85.2	92.8	95.3	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	86.1	93.8	96.4	97.1	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 1800	86.4	94.1	96.8	97.4	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 1500	86.9	94.6	97.2	97.9	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	87.1	94.9	97.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	87.2	95.0	97.7	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	87.2	95.0	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	87.2	95.0	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	87.2	95.0	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	87.2	95.0	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	87.2	95.0	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	87.2	95.0	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	87.2	95.0	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	87.2	95.0	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 100	87.2	95.0	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 000	87.2	95.0	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	34.0	35.8	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 20000	58.7	60.7	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 18000	58.7	60.7	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 16000	58.7	60.7	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 14000	59.1	61.1	61.9	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	59.8	61.8	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	64.4	66.6	67.6	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 9000	67.9	70.6	72.0	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 8000	71.2	74.0	75.4	75.9	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 7000	72.4	75.7	77.1	77.6	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 6000	72.8	76.0	77.4	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 5000	73.7	76.9	78.4	78.9	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 4500	74.1	77.3	79.1	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 4000	76.6	80.0	82.0	82.4	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 3500	82.6	86.1	88.4	88.9	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 3000	85.7	89.3	91.8	92.8	93.1	93.2	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6
GE 2500	87.6	91.3	93.9	95.0	95.3	95.4	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 2000	88.0	91.9	94.6	96.0	96.4	96.6	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	88.3	92.2	94.9	96.3	96.8	96.9	97.3	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	88.7	92.7	95.3	96.8	97.2	97.3	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	88.8	92.8	95.4	96.9	97.3	97.7	98.4	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	88.8	92.8	95.4	96.9	97.3	97.8	98.6	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	88.9	92.9	95.6	97.0	97.4	97.9	98.7	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	89.1	93.1	95.8	97.2	97.7	98.1	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	89.1	93.1	95.8	97.2	97.8	98.2	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	89.1	93.1	95.8	97.2	97.8	98.2	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	89.1	93.1	95.8	97.2	97.8	98.2	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	89.1	93.1	95.8	97.2	97.8	98.2	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	89.1	93.1	95.8	97.2	97.8	98.2	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	89.1	93.1	95.8	97.2	97.8	98.2	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	89.1	93.1	95.8	97.2	97.8	98.2	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 000	89.1	93.1	95.8	97.2	97.8	98.2	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP HOURS: 18-20

CEILING VISIBILITY IN STATUTE MILES

IN FEET	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	39.8	42.7	43.8	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 20000	62.6	67.9	69.2	69.7	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	62.6	67.9	69.2	69.7	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	62.6	67.9	69.2	69.7	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 14000	62.9	68.4	69.8	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
GE 12000	63.6	69.1	70.4	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 10000	66.9	73.1	74.4	74.9	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 9000	72.7	79.6	81.0	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 8000	74.4	82.1	83.9	84.7	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	76.2	84.1	86.2	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
GE 6000	76.4	84.4	86.6	87.3	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	77.2	85.4	87.7	88.4	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 4500	77.7	86.1	88.4	89.2	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 4000	78.8	87.4	89.9	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 3500	80.8	89.7	92.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3000	81.8	90.9	93.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2500	82.2	91.6	94.4	95.6	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 2000	82.7	92.1	95.1	96.2	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 1800	82.9	92.3	95.4	96.5	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 1500	83.0	92.6	95.7	96.9	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 1200	83.3	92.9	96.1	97.2	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 1000	83.3	92.9	96.1	97.2	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 900	83.3	92.9	96.1	97.2	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 800	83.4	93.0	96.4	97.6	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 700	83.4	93.0	96.4	97.7	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 600	83.6	93.1	96.6	97.8	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 500	83.6	93.1	96.6	97.8	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 400	83.6	93.1	96.6	97.8	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 300	83.6	93.1	96.6	97.8	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 200	83.6	93.1	96.6	97.8	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 100	83.6	93.1	96.6	97.8	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 000	83.6	93.1	96.6	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UIC: + 5 MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	53.0	53.7	54.3	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 20000	72.7	74.3	75.3	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 18000	72.7	74.3	75.3	75.7	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 16000	72.7	74.3	75.3	75.7	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 14000	72.7	74.3	75.9	76.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 12000	73.2	75.7	76.9	77.2	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	75.1	77.7	78.9	79.2	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 9000	78.8	81.3	82.7	83.1	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	82.7	85.4	86.8	87.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 7000	84.6	87.6	88.9	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 6000	85.1	88.2	89.6	90.1	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 5000	86.6	89.8	91.2	91.8	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 4500	86.8	90.1	91.6	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4000	87.1	90.4	91.9	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3500	88.2	91.7	93.6	94.1	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 3000	89.0	92.4	94.3	95.1	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 2500	89.9	93.3	95.4	96.2	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 2000	90.1	93.6	95.7	96.4	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 1800	90.3	93.9	96.0	96.8	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 1500	91.0	94.6	96.8	97.5	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 1200	91.1	94.7	96.9	97.7	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 1000	91.1	94.7	96.9	97.3	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 900	91.2	94.8	97.2	98.1	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 800	91.2	94.8	97.3	98.4	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 700	91.2	94.8	97.3	98.4	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 600	91.2	94.8	97.3	98.7	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	91.2	94.8	97.4	98.8	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 400	91.4	95.0	97.8	99.1	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	91.4	95.0	97.8	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	91.4	95.0	97.8	99.1	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 100	91.4	95.0	97.8	99.1	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 000	91.4	95.0	97.8	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP HOURS: ALL

CEILING VISIBILITY IN STATUTE MILES

IN FEET	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	44.7	49.1	50.9	51.7	52.5	52.6	52.8	52.9	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 20000	62.0	67.9	70.2	71.1	72.1	72.2	72.4	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6
GE 18000	62.0	67.9	70.2	71.1	72.1	72.2	72.4	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6
GE 16000	62.0	67.9	70.2	71.1	72.1	72.2	72.4	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6
GE 14000	62.2	68.2	70.5	71.3	72.3	72.4	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.9	72.9
GE 12000	62.7	68.8	71.2	72.0	73.0	73.1	73.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.6
GE 10000	65.6	72.1	74.5	75.4	76.4	76.5	76.7	76.7	76.7	76.8	76.9	76.9	76.9	76.9	76.9	77.0
GE 9000	68.5	75.3	78.1	79.1	80.1	80.2	80.4	80.4	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6
GE 8000	70.8	78.0	80.9	81.9	83.0	83.1	83.3	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.6
GE 7000	72.4	79.8	82.3	83.3	84.9	85.0	85.2	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.5
GE 6000	72.7	80.2	83.1	84.1	85.2	85.3	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.8	85.8
GE 5000	73.4	81.0	84.0	85.1	86.1	86.2	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7
GE 4500	73.8	81.4	84.5	85.5	86.6	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.2
GE 4000	74.7	82.4	85.5	86.6	87.7	87.8	88.0	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.3	88.3
GE 3500	77.2	85.1	88.4	89.5	90.6	90.7	91.0	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.3	91.3
GE 3000	79.0	87.1	90.5	91.8	92.9	93.1	93.4	93.4	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.7
GE 2500	80.5	88.7	92.3	93.6	94.8	94.9	95.2	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5
GE 2000	81.2	89.5	93.2	94.5	95.8	95.9	96.2	96.3	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.6
GE 1800	81.5	89.9	93.6	95.0	96.2	96.3	96.7	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.1
GE 1500	82.0	90.4	94.2	95.6	96.9	97.0	97.3	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.8
GE 1200	82.3	90.8	94.6	96.0	97.3	97.4	97.8	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.3	98.3
GE 1000	82.5	91.0	94.8	96.3	97.6	97.8	98.2	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.7
GE 900	82.7	91.2	95.0	96.5	97.8	98.0	98.4	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.9
GE 800	82.8	91.3	95.2	96.7	98.0	98.2	98.6	98.7	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 700	82.8	91.3	95.2	96.8	98.1	98.3	98.7	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.2	99.2
GE 600	82.9	91.5	95.4	97.0	98.3	98.5	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.4	99.4
GE 500	83.0	91.5	95.5	97.1	98.4	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.7	99.7
GE 400	83.1	91.6	95.6	97.3	98.6	98.8	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.9
GE 300	83.1	91.6	95.6	97.3	98.6	98.8	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.9	99.9
GE 200	83.1	91.6	95.6	97.3	98.6	98.8	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.9	99.9
GE 100	83.1	91.6	95.6	97.3	98.6	98.8	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.9	100.0
GE 000	83.1	91.6	95.6	97.3	98.6	98.8	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 76 - OCT 88  
 LST ID UTC: + 5 MONTH: OCT HOURS: 00-20

CEILING VISIBILITY IN STATUTE MILES

IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.9	68.5	71.3	72.2	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 20000	63.7	74.2	77.4	78.4	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 18000	63.7	74.2	77.4	78.4	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 16000	63.7	74.2	77.4	78.4	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 14000	63.7	74.2	77.4	78.4	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 12000	63.9	74.6	77.8	78.8	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 10000	64.7	75.6	78.8	79.8	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 9000	65.6	76.5	79.9	80.9	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 8000	67.0	78.2	81.7	82.8	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 7000	68.1	79.6	83.1	84.2	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 6000	68.3	79.9	83.4	84.5	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 5000	69.4	81.2	84.9	86.0	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 4500	70.0	81.9	85.3	86.9	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 4000	71.4	83.8	87.7	88.9	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3500	72.2	84.8	88.9	90.1	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 3000	72.8	85.6	89.9	91.1	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 2500	73.3	86.2	90.8	91.9	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2000	73.5	86.6	91.2	92.4	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	73.5	86.7	91.4	92.6	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1500	74.0	87.3	92.0	93.2	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1200	74.7	88.4	93.3	94.5	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1000	75.3	89.1	94.2	95.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	75.5	89.4	94.4	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 800	75.5	89.5	94.6	96.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 700	75.9	90.0	95.4	96.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	76.0	90.2	95.6	97.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	76.1	90.3	95.7	97.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	76.1	90.3	95.8	97.5	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	76.2	90.4	95.9	97.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	76.2	90.4	95.9	97.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	76.2	90.4	95.9	97.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 000	76.2	90.4	95.9	97.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 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	GE 3/4	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.1	62.3	66.2	69.6	71.5	71.5	71.8	72.0	72.2	72.2	72.2	72.3	72.5	72.6
GE 20000	61.6	66.5	71.4	75.2	77.1	77.1	77.4	77.6	77.7	77.7	77.7	77.8	78.1	78.2
GE 18000	61.6	66.5	71.4	75.2	77.1	77.1	77.4	77.6	77.7	77.7	77.7	77.8	78.1	78.2
GE 16000	61.6	66.5	71.4	75.2	77.1	77.1	77.4	77.6	77.7	77.7	77.7	77.8	78.1	78.2
GE 14000	61.8	66.7	71.6	75.4	77.3	77.3	77.6	77.8	78.0	78.0	78.0	78.1	78.3	78.4
GE 12000	61.9	66.8	71.7	75.5	77.4	77.4	77.7	78.0	78.1	78.1	78.2	78.2	78.4	78.5
GE 10000	62.6	67.5	72.5	76.2	78.2	78.2	78.5	78.7	78.8	78.8	78.9	78.9	79.1	79.2
GE 9000	63.0	68.0	73.0	76.8	78.7	78.9	79.2	79.5	79.6	79.6	79.7	79.7	79.9	80.0
GE 8000	64.1	69.2	74.4	78.4	80.3	80.5	80.9	81.1	81.2	81.2	81.3	81.3	81.5	81.6
GE 7000	65.6	70.8	75.9	79.9	81.8	82.0	82.4	82.6	82.7	82.7	82.8	82.8	83.0	83.1
GE 6000	65.7	70.9	76.0	80.0	81.9	82.2	82.5	82.7	82.8	82.8	82.9	82.9	83.1	83.2
GE 5000	67.4	72.6	77.8	81.9	83.9	84.1	84.4	84.6	84.7	84.7	84.8	84.8	85.1	85.2
GE 4500	68.4	73.5	79.0	83.1	85.1	85.3	85.6	85.8	85.9	85.9	86.0	86.0	86.2	86.3
GE 4000	70.0	75.2	80.8	84.3	86.8	87.0	87.3	87.5	87.6	87.6	87.7	87.7	88.0	88.1
GE 3500	70.5	75.8	81.6	85.9	87.7	88.0	88.3	88.5	88.6	88.6	88.7	88.7	88.9	89.0
GE 3000	71.9	77.4	83.3	87.6	89.6	89.8	90.1	90.3	90.4	90.4	90.5	90.5	90.8	90.9
GE 2500	72.5	78.0	84.2	88.6	90.5	90.8	91.1	91.3	91.6	91.6	91.7	91.7	91.9	92.0
GE 2000	72.6	78.1	84.3	88.7	90.6	91.0	91.3	91.5	91.8	91.8	91.9	91.9	92.2	92.3
GE 1800	72.8	78.5	84.7	89.1	91.2	91.4	91.7	91.9	92.3	92.3	92.4	92.4	92.6	92.7
GE 1500	73.1	78.8	85.2	89.7	91.7	91.9	92.5	92.7	93.0	93.0	93.1	93.1	93.3	93.4
GE 1200	73.3	79.0	85.5	90.0	92.2	92.4	92.9	93.1	93.4	93.4	93.5	93.5	93.8	93.9
GE 1000	73.5	79.4	86.3	90.9	93.0	93.2	93.9	94.0	94.3	94.3	94.4	94.4	94.6	94.7
GE 900	73.5	79.4	86.5	91.1	93.2	93.4	94.0	94.2	94.5	94.5	94.6	94.6	94.8	94.9
GE 800	73.8	79.6	86.7	91.3	93.4	93.7	94.4	94.6	94.9	94.9	95.1	95.1	95.3	95.4
GE 700	74.0	79.8	87.1	91.9	94.1	94.3	95.1	95.3	95.6	95.6	95.7	95.7	95.9	96.0
GE 600	74.3	80.1	87.4	92.5	94.6	94.8	95.6	95.8	96.1	96.1	96.2	96.2	96.5	96.6
GE 500	74.4	80.2	87.6	93.0	95.3	95.5	96.2	96.6	96.9	96.9	97.0	97.0	97.2	97.3
GE 400	74.4	80.2	87.8	93.5	96.0	96.2	97.0	97.3	97.6	97.6	97.7	97.7	98.0	98.1
GE 300	74.5	80.3	88.1	93.3	96.2	96.5	97.3	97.6	98.0	98.0	98.1	98.1	98.3	98.4
GE 200	74.6	80.4	88.2	94.1	96.7	96.9	98.0	98.3	98.6	98.7	98.9	98.9	99.4	99.5
GE 100	74.6	80.4	88.2	94.1	96.7	95.9	98.0	98.3	98.6	98.7	98.9	98.9	99.4	99.6
GE 000	74.6	80.4	88.2	94.1	96.7	96.9	98.0	98.3	98.6	98.7	98.9	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: OCT HOURS: 06-08

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

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	44.6	52.5	58.4	60.8	53.4	63.8	64.8	65.3	65.4	66.3	66.6	66.6	66.6	66.6	66.7	67.0
GE 20000	49.1	58.2	65.2	67.8	71.3	71.8	72.9	73.3	73.5	74.6	74.8	74.8	74.8	74.8	74.9	75.3
GE 18000	49.1	58.2	65.2	67.8	71.3	71.8	72.9	73.3	73.5	74.6	74.8	74.8	74.8	74.9	75.3	75.3
GE 16000	49.1	58.2	65.2	67.8	71.3	71.8	72.9	73.3	73.5	74.6	74.8	74.8	74.8	74.9	75.3	75.3
GE 14000	49.2	58.3	65.3	68.0	71.4	71.9	73.0	73.4	73.7	74.7	74.9	74.9	74.9	75.1	75.4	75.4
GE 12000	49.4	58.5	65.5	68.2	71.6	72.2	73.2	73.7	73.9	74.9	75.2	75.2	75.2	75.3	75.6	75.6
GE 10000	49.6	58.9	66.0	68.7	72.2	72.8	73.9	74.3	74.5	75.6	75.8	75.8	75.8	75.9	76.2	76.2
GE 9000	50.9	60.4	67.5	70.3	73.8	74.4	75.5	75.9	76.1	77.2	77.4	77.4	77.4	77.5	77.8	77.8
GE 8000	52.5	62.2	69.5	72.2	75.7	76.5	77.6	78.1	78.3	79.4	79.6	79.6	79.6	79.7	80.0	80.0
GE 7000	54.1	64.0	71.3	74.0	77.5	78.3	79.5	79.9	80.1	81.2	81.4	81.4	81.4	81.5	81.8	81.8
GE 6000	54.5	64.5	71.8	74.5	78.1	78.8	80.0	80.4	80.6	81.7	81.9	81.9	81.9	82.0	82.4	82.4
GE 5000	55.9	66.0	73.3	76.0	79.6	80.3	81.5	81.9	82.2	83.2	83.4	83.4	83.4	83.5	83.9	83.9
GE 4500	56.6	67.0	74.4	77.2	80.9	81.6	82.8	83.2	83.4	84.5	84.7	84.7	84.7	84.8	85.2	85.2
GE 4000	58.0	68.6	76.1	78.9	82.7	83.4	84.7	85.2	85.4	86.5	86.7	86.7	86.7	86.8	87.1	87.1
GE 3500	58.5	69.1	76.9	79.7	83.5	84.3	85.6	86.0	86.2	87.3	87.5	87.5	87.5	87.6	88.0	88.0
GE 3000	59.9	70.9	78.7	81.5	85.4	86.1	87.4	87.8	88.1	89.1	89.4	89.4	89.4	89.5	89.8	89.8
GE 2500	59.9	70.9	78.8	81.7	85.7	86.5	87.7	88.4	88.6	89.5	89.7	89.7	89.7	89.8	90.1	90.1
GE 2000	60.2	71.2	79.2	82.2	86.1	86.9	88.3	88.9	89.0	90.0	90.2	90.2	90.2	90.3	90.6	90.6
GE 1800	60.3	71.3	79.4	82.3	86.2	87.0	88.4	88.8	89.0	90.1	90.3	90.3	90.3	90.4	90.8	90.8
GE 1500	60.8	72.0	80.3	83.3	87.3	88.1	89.5	89.9	90.1	91.2	91.4	91.4	91.4	91.5	91.8	91.8
GE 1200	61.3	72.8	81.3	84.4	88.4	89.1	90.5	91.0	91.2	92.3	92.5	92.5	92.5	92.6	92.9	92.9
GE 1000	61.3	72.8	81.5	84.6	88.6	89.4	90.8	91.2	91.4	92.5	92.7	92.7	92.7	92.8	93.1	93.1
GE 900	61.3	72.8	81.6	84.7	88.7	89.5	91.0	91.4	91.6	92.7	92.9	92.9	92.9	93.0	93.3	93.3
GE 800	61.3	72.8	81.6	84.8	88.8	89.6	91.1	91.5	91.7	92.8	93.0	93.0	93.0	93.1	93.4	93.4
GE 700	61.5	73.0	81.8	85.2	89.1	89.9	91.4	91.8	92.0	93.1	93.3	93.3	93.3	93.4	93.8	93.8
GE 600	61.7	73.4	82.3	85.6	90.0	91.0	92.5	92.9	93.1	94.2	94.4	94.4	94.4	94.5	94.8	94.8
GE 500	61.8	73.7	82.8	86.2	91.0	91.9	93.4	93.9	94.1	95.2	95.4	95.4	95.4	95.5	95.8	95.8
GE 400	61.8	73.8	83.0	86.6	91.4	92.4	93.9	94.3	94.5	95.9	96.1	96.1	96.1	96.2	96.6	96.6
GE 300	61.8	73.8	83.0	86.6	91.3	92.9	94.7	95.4	95.6	97.1	97.4	97.4	97.4	97.7	98.1	98.1
GE 200	61.8	73.8	83.0	86.6	91.8	93.0	94.8	95.5	95.7	97.2	97.5	97.5	97.5	98.0	98.7	98.7
GE 100	61.8	73.8	83.0	86.6	91.8	93.0	94.8	95.5	95.7	97.2	97.5	97.5	97.5	98.2	99.2	99.2
GE 000	61.8	73.8	83.0	86.6	91.8	93.0	94.8	95.5	95.7	97.2	97.5	97.5	97.5	98.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LSI TO UTC: + 5 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	53.7	55.8	57.5	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 20000	64.4	67.3	69.4	69.5	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	64.4	67.3	69.4	69.5	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	64.4	67.3	69.4	69.5	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 14000	64.5	67.4	69.5	69.6	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 12000	64.6	67.5	69.6	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 10000	66.3	69.4	71.6	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 9000	67.4	70.4	72.7	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 8000	69.5	72.5	74.7	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 7000	70.6	73.7	75.9	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 6000	70.9	73.9	76.1	76.5	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 5000	71.3	74.3	76.7	77.0	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 4500	72.3	75.5	77.8	78.3	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 4000	74.1	77.3	79.9	80.3	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 3500	75.8	79.1	81.7	82.2	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 3000	78.2	81.5	84.1	84.5	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 2500	80.6	84.1	86.8	87.2	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 2000	82.4	86.0	88.9	89.6	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 1800	83.5	87.3	90.3	91.0	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 1500	85.5	89.6	92.8	93.4	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 1200	86.1	90.5	94.1	94.7	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 1000	86.6	91.0	94.7	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 900	87.1	91.5	95.4	96.0	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	87.2	91.6	95.5	96.1	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 700	87.2	91.6	95.7	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	87.3	91.7	96.3	97.3	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 500	87.3	91.7	96.3	97.4	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	87.3	91.7	96.3	97.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 300	87.3	91.7	96.3	97.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 200	87.3	91.7	96.3	97.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 100	87.3	91.7	96.3	97.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 000	87.3	91.7	96.3	97.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST ID.UIC: + 5 MONTH: OCT HOURS: 12-14

CEILING VISIBILITY IN STATUTE MILES

FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	7	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	3/8	1/4							
MD CEIL	44.2	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	58.8	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 18000	58.8	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 16000	58.8	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 14000	59.1	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 12000	59.8	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 10000	61.3	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 9000	62.4	65.4	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	65.5	65.5
GE 8000	65.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000	66.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 6000	67.6	69.8	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	69.9	69.9
GE 5000	69.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4500	70.6	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 4000	75.5	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	78.1	78.1	78.1	78.1	78.1	78.1
GE 3500	80.5	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 3000	85.5	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	88.7	88.7	88.7	88.7	88.7
GE 2500	89.9	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2000	91.6	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1800	92.4	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	96.5	96.5	96.5	96.5
GE 1500	93.0	97.2	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	97.8	97.8
GE 1200	93.5	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	93.7	98.3	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	98.9	98.9
GE 900	93.8	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	93.8	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	93.8	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	93.8	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	93.8	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	93.8	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	93.8	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	93.8	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	93.8	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 000	93.8	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      MONTH: OCT      HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE						
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 20000	65.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 18000	65.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 16000	65.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 14000	65.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 12000	66.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 10000	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 9000	70.6	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 8000	74.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 7000	76.5	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 6000	77.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 5000	80.6	82.0	82.0	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
GE 4500	83.0	84.4	84.4	84.5	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 4000	85.4	86.8	86.8	86.9	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 3500	87.8	89.5	89.5	89.6	89.6	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3000	90.9	92.5	92.5	92.6	92.6	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 2500	93.3	95.3	95.3	95.4	95.4	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	94.0	95.9	95.9	96.0	96.0	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	94.1	96.0	96.0	96.3	96.3	96.3	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	94.8	96.8	96.8	97.1	97.1	97.1	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	95.3	97.3	97.3	97.6	97.6	97.6	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	95.7	97.7	97.7	98.1	98.1	98.1	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	95.7	98.0	98.0	98.3	98.3	98.3	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	95.7	98.0	98.0	98.3	98.3	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	95.7	98.0	98.0	98.3	98.3	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	95.7	98.0	98.0	98.3	98.3	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	95.7	98.0	98.0	98.3	98.3	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	95.7	98.0	98.0	98.3	98.3	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	95.7	98.0	98.0	98.3	98.3	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 200	95.7	98.0	98.0	98.3	98.3	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 100	95.7	98.0	98.0	98.3	98.3	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 000	95.7	98.0	98.0	98.3	98.3	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI ID UTC: + 5 MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE		
	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0				
NO CEIL	60.5	64.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8		
GE 20000	71.0	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 18000	71.0	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 16000	71.0	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 14000	71.0	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 12000	71.7	76.6	76.7	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 10000	73.2	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	78.4	78.4	78.4
GE 9000	74.6	79.5	79.7	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 8000	78.9	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 7000	80.1	85.8	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 6000	80.3	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 5000	81.4	87.3	87.4	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 4500	83.1	89.1	89.2	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 4000	84.6	90.7	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 3500	85.8	92.0	92.3	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 3000	87.5	94.0	94.3	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 2500	88.5	95.5	95.9	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
GE 2000	88.9	96.1	96.3	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	88.9	96.1	97.0	97.2	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 1500	89.4	96.8	97.6	97.8	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 1200	89.5	96.9	97.7	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	90.0	97.5	98.6	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	90.0	97.5	98.6	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	90.1	97.6	98.7	99.0	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 700	90.1	97.6	98.7	99.0	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 600	90.1	97.6	98.7	99.0	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
GE 500	90.1	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	90.1	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	90.1	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	90.1	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	90.1	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	90.1	97.6	98.8	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
 LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.2	73.2	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 20000	77.9	79.0	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 18000	77.9	79.0	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 16000	77.9	79.0	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 14000	77.9	79.0	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 12000	78.1	79.2	79.6	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 10000	79.3	80.4	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 9000	81.2	82.4	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 8000	83.5	84.7	85.3	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 7000	85.2	86.6	87.4	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 6000	85.5	86.9	87.7	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 5000	86.5	87.9	88.7	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 4500	87.3	88.7	89.6	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 4000	89.1	90.6	91.6	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 3500	90.0	91.6	92.6	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 3000	90.8	92.6	93.5	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2500	91.4	93.1	94.1	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2000	91.7	93.5	94.5	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	91.8	93.6	94.6	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500	92.3	94.2	95.1	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200	93.5	95.5	96.4	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	94.1	96.0	97.3	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	94.1	96.0	97.4	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	94.6	96.5	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	94.9	96.9	98.4	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	95.1	97.3	98.8	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	95.4	97.5	99.0	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	95.4	97.5	99.0	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 300	95.4	97.5	99.0	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 200	95.4	97.5	99.0	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 100	95.4	97.5	99.0	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 000	95.4	97.5	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 977

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI, TC, UIC: + 5 MONTH: OCT HOURS: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

NO	CEIL	VISIBILITY IN STATUTE MILES															
		7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
GE 20000	64.0	65.5	70.7	71.7	72.5	72.6	62.4	62.4	62.4	62.6	62.7	62.8	62.8	62.8	62.8	62.9	62.9
GE 18000	64.0	68.5	70.7	71.7	72.5	72.6	72.8	72.9	72.9	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.2
GE 16000	64.0	68.5	70.7	71.7	72.5	72.6	72.8	72.9	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.2
GE 14000	64.1	68.6	70.8	71.8	72.6	72.7	72.9	73.0	73.0	73.0	73.4	73.5	73.5	73.5	73.5	73.5	73.6
GE 12000	64.4	69.0	71.2	72.2	73.0	73.0	73.0	73.2	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.6	73.6
GE 10000	65.6	70.2	72.5	73.5	74.3	74.4	74.4	74.6	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	75.0
GE 9000	67.1	71.8	74.1	75.2	75.9	76.1	76.2	76.3	76.4	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.7
GE 8000	69.5	74.4	76.8	77.9	78.7	78.8	79.0	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4
GE 7000	70.8	75.3	78.3	79.4	80.2	80.3	80.5	80.5	80.6	80.6	80.8	80.8	80.8	80.8	80.9	80.9	80.9
GE 6000	71.3	76.3	78.7	79.8	80.6	80.8	81.0	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.4
GE 5000	72.7	77.9	80.3	81.5	82.3	82.4	82.6	82.7	82.7	82.7	82.9	82.9	82.9	82.9	82.9	83.0	83.0
GE 4500	73.9	79.1	81.7	82.9	83.7	83.7	84.0	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.4	84.4
GE 4000	76.0	81.4	84.0	85.2	86.0	86.1	86.4	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.8	86.8
GE 3500	77.6	83.2	85.9	87.1	87.9	88.0	88.3	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.7	88.7
GE 3000	79.7	85.4	88.1	89.3	90.2	90.3	90.6	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	91.0	91.0
GE 2500	81.2	87.1	89.9	91.2	92.1	92.2	92.5	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.9	92.9	92.9
GE 2000	81.9	87.9	90.8	92.1	93.0	93.2	93.5	93.6	93.6	93.6	93.8	93.8	93.8	93.9	93.9	93.9	93.9
GE 1800	82.2	88.2	91.2	92.5	93.5	93.7	94.0	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.4	94.4	94.4
GE 1500	82.9	89.1	92.2	93.5	94.5	94.7	95.1	95.1	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.5	95.5
GE 1200	83.4	89.8	93.0	94.3	95.4	95.5	95.9	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.3
GE 1000	83.8	90.2	93.7	95.1	96.1	96.3	96.7	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1
GE 900	83.9	90.4	93.9	95.3	96.4	96.6	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.4
GE 800	84.0	90.5	94.1	95.5	96.5	96.8	97.2	97.3	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.7	97.7
GE 700	84.1	90.7	94.3	95.8	96.9	97.1	97.5	97.6	97.7	97.7	97.8	97.9	97.9	97.9	97.9	98.0	98.0
GE 600	84.3	90.9	94.6	96.2	97.3	97.6	98.0	98.1	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.5	98.5
GE 500	84.3	90.9	94.7	96.4	97.6	97.9	98.3	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.9	98.9	98.9
GE 400	84.3	90.5	94.8	96.5	97.8	98.0	98.5	98.7	98.7	98.7	99.0	99.1	99.1	99.1	99.2	99.2	99.2
GE 300	84.3	91.0	94.8	96.5	97.9	98.2	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.5	99.5
GE 200	84.4	91.0	94.8	96.6	97.5	98.2	98.8	99.0	99.0	99.0	99.4	99.4	99.4	99.5	99.5	99.7	99.7
GE 100	84.4	91.0	94.8	96.6	97.9	98.2	98.8	99.0	99.0	99.0	99.4	99.5	99.5	99.6	99.6	99.8	99.9
GE 000	84.4	91.0	94.9	96.6	97.9	98.2	98.8	99.0	99.0	99.0	99.4	99.5	99.5	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: + 5 PERIOD OF RECORD: NOV 78 - OCT 88  
MONTH: NOV HOURS: 00-02

CEILING VISIBILITY IN STATUTE MILES

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.1	57.8	59.6	60.6	61.1	61.4	61.6	61.9	61.9	61.9	62.2	62.2	62.2	62.2
GE 20000	55.7	65.9	67.9	68.9	69.4	69.6	70.0	70.3	70.3	70.3	70.7	70.7	70.7	70.8
GE 19000	55.7	55.9	67.9	68.9	69.4	69.6	70.0	70.3	70.3	70.3	70.7	70.7	70.7	70.8
GE 18000	55.7	55.9	67.9	68.9	69.4	69.6	70.0	70.3	70.3	70.3	70.7	70.7	70.7	70.8
GE 17000	55.7	55.9	67.9	68.9	69.4	69.6	70.0	70.3	70.3	70.3	70.7	70.7	70.7	70.8
GE 16000	55.9	66.1	68.1	69.1	69.7	69.8	70.2	70.6	70.6	70.6	70.9	70.9	70.9	71.0
GE 15000	57.4	68.1	70.4	71.5	72.1	72.2	72.6	72.7	73.0	73.0	73.3	73.3	73.3	73.4
GE 14000	58.2	69.3	71.7	73.0	73.6	73.7	74.0	74.1	74.4	74.4	74.8	74.8	74.8	74.9
GE 13000	60.7	71.4	74.0	75.3	75.9	76.0	76.3	76.4	76.8	76.8	77.1	77.1	77.1	77.2
GE 12000	62.6	73.6	76.1	77.4	78.0	78.1	78.4	78.6	78.9	78.9	79.2	79.2	79.2	79.3
GE 11000	62.7	73.7	76.2	77.6	78.1	78.2	78.6	78.7	79.0	79.0	79.3	79.3	79.3	79.4
GE 10000	63.6	74.6	77.1	78.4	79.0	79.1	79.4	79.6	79.9	79.9	80.2	80.2	80.2	80.3
GE 9000	64.4	75.9	78.2	79.5	80.1	80.2	80.6	80.7	81.0	81.0	81.3	81.3	81.3	81.4
GE 8000	65.1	76.3	79.0	80.4	81.0	81.1	81.6	81.6	81.9	81.9	82.2	82.2	82.2	82.3
GE 7000	65.9	77.3	80.3	81.8	82.3	82.4	82.9	82.9	83.2	83.2	83.6	83.6	83.6	83.7
GE 6000	67.0	78.9	82.2	83.7	84.2	84.3	84.7	84.8	85.1	85.1	85.4	85.4	85.4	85.6
GE 5000	67.9	80.0	83.3	84.9	85.4	85.4	85.9	85.9	86.2	86.2	86.6	86.6	86.6	86.7
GE 4500	68.9	81.3	84.9	86.3	87.0	87.1	87.4	87.6	87.9	87.9	88.2	88.2	88.2	88.3
GE 4000	69.1	81.8	85.3	86.8	87.4	87.6	87.9	88.0	88.3	88.3	88.7	88.7	88.7	88.8
GE 3500	69.4	82.2	86.1	87.6	88.2	88.3	88.7	88.9	89.2	89.2	89.6	89.6	89.6	89.7
GE 3000	70.2	83.2	87.1	88.7	89.4	89.6	89.9	90.1	90.4	90.4	90.8	90.8	90.8	90.9
GE 2500	70.5	83.6	87.4	89.0	89.8	89.9	90.4	90.5	91.1	91.1	91.4	91.4	91.4	91.6
GE 2000	70.8	84.0	87.9	89.4	90.2	90.3	90.9	91.2	91.6	91.6	91.9	91.9	91.9	92.0
GE 1800	70.8	84.1	88.0	89.6	90.3	90.4	91.0	91.3	91.7	91.7	92.0	92.0	92.0	92.1
GE 1600	71.0	84.2	88.7	90.3	91.3	91.4	92.0	92.3	92.7	92.7	93.0	93.0	93.0	93.1
GE 1400	71.6	85.2	89.9	91.6	92.7	92.8	93.3	93.7	94.0	94.0	94.3	94.3	94.3	94.4
GE 1200	71.6	85.3	90.9	92.7	94.2	94.3	95.1	95.4	95.8	95.8	96.1	96.1	96.1	96.2
GE 1000	71.6	85.4	91.2	93.2	94.9	95.0	95.8	96.3	96.7	96.7	97.0	97.0	97.0	97.1
GE 900	71.7	85.4	91.2	93.7	95.7	95.8	96.9	97.4	97.8	97.8	98.1	98.1	98.1	98.2
GE 800	71.7	85.4	91.2	93.9	95.9	96.0	97.1	97.8	98.6	98.6	98.9	98.9	98.9	99.0
GE 700	71.7	85.4	91.2	93.9	95.9	96.0	97.1	97.8	98.6	98.6	99.0	99.0	99.0	99.1
GE 600	71.7	85.4	91.2	93.9	95.9	96.0	97.1	97.8	98.6	98.6	99.0	99.0	99.0	99.1
GE 500	71.7	85.4	91.2	93.9	95.9	96.0	97.1	97.8	98.6	98.6	99.0	99.0	99.0	99.1
GE 400	71.7	85.4	91.2	93.9	95.9	96.0	97.1	97.8	98.6	98.6	99.0	99.0	99.0	99.1
GE 300	71.7	85.4	91.2	93.9	95.9	96.0	97.1	97.8	98.6	98.6	99.0	99.0	99.0	99.1
GE 200	71.7	85.4	91.2	93.9	95.9	96.0	97.1	97.8	98.6	98.6	99.0	99.0	99.0	99.1
GE 100	71.7	85.4	91.2	93.9	95.9	96.0	97.1	97.8	98.6	98.6	99.0	99.0	99.0	99.1
GE 000	71.7	85.4	91.2	93.9	95.9	96.0	97.1	97.8	98.6	98.6	99.0	99.0	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	43.9	46.8	51.2	54.9	55.8	55.9	56.4	56.4	56.4	57.0	57.0	57.0	57.4	57.4	57.6	57.7
GE 20000	48.7	51.8	56.9	60.9	61.8	61.9	62.5	62.6	62.6	63.1	63.1	63.1	63.6	63.6	63.7	63.8
GE 19000	48.7	51.8	56.9	60.9	61.8	61.9	62.5	62.6	62.6	63.1	63.1	63.1	63.6	63.6	63.7	63.8
GE 16000	48.7	51.8	56.9	60.9	61.8	61.9	62.5	62.6	62.6	63.1	63.1	63.1	63.6	63.6	63.7	63.8
GE 14000	48.7	51.8	56.9	60.9	61.8	61.9	62.5	62.6	62.6	63.1	63.1	63.1	63.6	63.6	63.7	63.8
GE 12000	48.9	52.0	57.1	61.1	62.0	62.1	62.8	62.8	62.8	63.3	63.3	63.3	63.8	63.8	63.9	64.0
GE 10000	50.4	53.6	59.3	63.3	64.2	64.3	65.0	65.1	65.1	65.7	65.8	65.8	66.2	66.2	66.3	66.4
GE 9000	52.2	55.7	61.4	65.3	66.7	66.8	67.4	67.6	67.6	68.1	68.2	68.2	68.7	68.7	68.8	68.9
GE 8000	53.1	56.9	62.8	67.1	68.0	68.1	68.8	68.9	68.9	69.4	69.6	69.6	70.0	70.0	70.1	70.2
GE 7200	54.1	57.9	64.1	68.4	69.3	69.4	70.1	70.2	70.2	70.8	70.9	70.9	71.3	71.3	71.4	71.6
GE 6000	54.4	58.2	64.4	68.8	69.7	69.8	70.4	70.6	70.6	71.1	71.2	71.2	71.7	71.7	71.8	71.9
GE 5000	55.8	59.6	65.9	70.3	71.2	71.3	72.0	72.1	72.1	72.7	72.8	72.8	73.2	73.2	73.3	73.4
GE 4500	56.7	60.4	66.9	71.4	72.3	72.4	73.1	73.2	73.2	73.8	73.9	73.9	74.3	74.3	74.4	74.6
GE 4000	57.2	61.2	67.7	72.2	73.1	73.2	73.9	74.0	74.0	74.6	74.7	74.7	75.1	75.1	75.2	75.3
GE 3500	59.2	63.2	69.8	74.3	75.2	75.3	76.1	76.2	76.2	76.8	76.9	76.9	77.3	77.3	77.7	77.8
GE 3000	61.1	65.1	71.7	76.3	77.4	77.6	78.3	78.4	78.4	79.0	79.1	79.1	79.6	79.6	79.9	80.0
GE 2500	62.9	66.9	73.7	78.4	79.6	79.7	80.4	80.6	80.6	81.1	81.2	81.2	81.7	81.7	82.0	82.1
GE 2000	64.0	68.3	75.2	80.1	81.2	81.3	82.1	82.2	82.2	82.8	82.9	82.9	83.3	83.3	83.7	83.8
GE 1800	64.2	68.6	75.4	80.4	81.6	81.7	82.7	82.8	82.8	83.3	83.4	83.4	83.9	83.9	84.2	84.3
GE 1500	64.9	69.3	76.2	81.2	82.4	82.6	83.6	83.7	83.7	84.2	84.3	84.3	84.8	84.8	85.1	85.2
GE 1200	65.4	70.2	77.1	82.2	83.7	83.8	84.8	85.0	85.0	85.6	85.7	85.7	86.1	86.1	86.4	86.6
GE 1000	65.6	70.3	77.4	82.5	84.0	84.1	85.1	85.3	85.3	86.0	86.1	86.1	86.6	86.6	86.9	87.0
GE 900	66.0	70.9	78.0	83.2	84.8	84.9	85.9	86.1	86.1	86.8	86.9	86.9	87.3	87.3	87.7	87.8
GE 800	66.3	71.3	78.6	84.0	85.6	85.7	86.9	86.9	86.9	87.6	87.7	87.7	88.1	88.1	88.4	88.6
GE 700	66.6	71.6	79.0	84.9	86.4	86.6	87.8	87.8	87.8	88.4	88.6	88.6	89.0	89.0	89.3	89.4
GE 600	67.1	72.3	79.9	86.0	87.6	87.7	88.9	88.9	88.9	89.7	89.8	89.8	90.2	90.2	90.6	90.7
GE 500	67.6	72.8	80.6	87.7	89.5	89.9	90.9	91.1	91.1	92.0	92.1	92.1	92.6	92.6	92.9	93.0
GE 400	67.7	72.9	80.8	88.3	90.9	91.0	92.0	92.3	92.3	93.2	93.3	93.3	93.8	93.8	94.1	94.2
GE 300	67.7	72.9	80.8	88.4	91.4	91.7	93.0	93.3	93.3	94.3	94.4	94.4	94.9	94.9	95.2	95.3
GE 200	67.7	72.9	80.9	88.6	91.8	92.0	94.3	94.7	94.7	95.7	95.8	95.8	96.7	96.7	97.0	97.1
GE 100	67.7	72.9	80.9	88.6	91.8	92.0	94.4	94.9	94.9	96.0	96.2	96.2	97.3	97.3	97.9	98.9
GE 000	67.7	72.5	80.9	88.6	91.8	92.0	94.4	94.9	94.9	96.0	96.2	96.2	97.3	97.3	98.6	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: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES										NO CEIL					
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1		3/4	5/8	1/2	3/8	1/4
GE 20000	39.2	46.9	55.3	58.2	61.6	61.8	62.9	63.2	63.2	63.7	64.1	64.1	64.8	64.8	65.2	65.7
GE 18000	37.2	46.9	55.3	58.2	61.6	61.8	62.9	63.2	63.2	63.7	64.1	64.1	64.8	64.8	65.2	65.7
GE 16000	37.2	46.9	55.3	58.2	61.6	61.8	62.9	63.2	63.2	63.7	64.1	64.1	64.8	64.8	65.2	65.7
GE 14000	39.2	46.9	55.3	58.2	61.6	61.8	62.9	63.2	63.2	63.7	64.1	64.1	64.8	64.8	65.2	65.7
GE 12000	39.4	47.2	55.9	58.9	62.2	62.4	63.6	63.9	63.9	64.3	64.8	64.8	65.4	65.4	65.9	66.3
GE 10000	40.9	48.9	58.1	61.1	64.7	64.9	66.0	66.3	66.3	66.8	67.2	67.2	67.9	67.9	68.3	68.8
GE 9000	41.4	49.8	59.2	62.6	65.1	65.3	67.4	67.8	67.8	68.2	68.7	68.7	69.3	69.3	69.8	70.2
GE 8000	43.2	51.8	61.3	64.9	63.4	68.7	67.8	70.1	70.1	70.6	71.0	71.0	71.7	71.7	72.2	72.7
GE 7000	44.3	53.2	62.8	66.3	69.9	70.1	71.2	71.6	71.6	72.0	72.4	72.4	73.1	73.1	73.7	74.1
GE 6000	44.6	53.4	63.3	66.9	70.4	70.7	71.8	72.1	72.1	72.6	73.0	73.0	73.7	73.7	74.2	74.7
GE 5000	45.2	54.1	64.1	67.7	71.2	71.4	72.0	72.9	72.9	73.3	73.8	73.8	74.4	74.4	75.0	75.4
GE 4500	46.0	54.9	65.1	68.7	72.2	72.4	73.0	73.9	73.9	74.3	74.8	74.8	75.4	75.4	76.0	76.4
GE 4000	46.6	56.0	66.2	69.9	73.4	73.7	74.8	75.1	75.1	75.6	76.0	76.0	76.7	76.7	77.2	77.7
GE 3500	47.8	57.6	67.9	71.6	75.1	75.3	76.4	74.9	76.8	77.2	77.7	77.7	78.3	78.3	78.9	79.3
GE 3000	49.4	59.7	70.1	73.8	77.3	77.6	78.7	79.0	79.0	79.4	79.9	79.9	80.6	80.6	81.1	81.6
GE 2500	50.3	61.1	71.7	75.4	79.2	79.4	80.6	81.0	81.0	81.4	81.9	81.9	82.6	82.6	83.1	83.6
GE 2000	51.1	62.0	72.7	76.4	80.2	80.6	81.7	82.1	82.1	82.6	83.0	83.0	83.7	83.7	84.2	84.7
GE 1800	51.2	62.1	72.8	76.5	80.3	80.7	81.5	82.2	82.2	82.7	83.1	83.1	83.8	83.8	84.3	84.8
GE 1500	51.8	62.7	73.4	77.3	81.4	81.8	82.9	83.3	83.3	83.8	84.2	84.2	84.9	84.9	85.4	85.9
GE 1200	52.2	63.3	74.1	78.1	82.6	82.9	84.1	84.6	84.6	85.0	85.4	85.4	86.1	86.1	86.7	87.1
GE 1000	52.3	63.4	74.2	78.3	82.8	83.1	84.3	84.8	84.8	85.2	85.7	85.7	86.3	86.3	86.9	87.3
GE 900	52.6	63.7	74.4	78.6	83.1	83.4	84.7	85.1	85.1	85.6	86.0	86.0	86.7	86.7	87.2	87.7
GE 800	52.8	64.1	74.9	79.0	83.6	83.9	85.1	85.6	85.6	86.0	86.4	86.4	87.2	87.2	87.8	88.2
GE 700	53.2	64.8	75.8	79.9	84.6	84.8	86.1	86.6	86.6	87.0	87.4	87.4	88.2	88.2	88.8	89.2
GE 600	53.4	65.1	76.1	80.4	85.4	85.8	87.2	87.7	87.7	88.2	88.7	88.7	89.4	89.4	90.0	90.4
GE 500	53.6	65.2	76.2	80.9	86.2	86.6	88.2	88.7	88.7	89.4	89.9	89.9	90.7	90.7	91.2	91.7
GE 400	53.6	65.2	76.3	81.3	87.1	87.7	89.3	90.3	90.3	91.1	91.6	91.6	92.3	92.3	92.9	93.3
GE 300	53.6	65.2	76.4	81.4	87.4	88.2	90.8	91.3	91.3	92.7	93.1	93.1	93.9	93.9	94.4	94.9
GE 200	53.6	65.2	76.6	81.5	87.6	88.4	91.2	91.8	91.8	93.2	93.8	93.8	94.9	94.9	95.6	96.1
GE 100	53.6	65.2	76.6	81.6	87.6	88.4	91.2	91.8	91.8	93.4	94.0	94.0	95.4	95.4	96.4	97.6
GE 000	53.6	65.2	76.6	81.6	87.6	88.4	91.2	91.8	91.8	93.4	94.0	94.0	95.4	95.4	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UIC: + 5 MONTH: NOV HOURS: 09-11

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

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	51.3	53.1	53.6	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3
GE 20000	58.6	60.3	61.0	61.8	62.0	62.0	62.0	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
GE 18000	58.6	60.3	61.0	61.8	62.0	62.0	62.0	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
GE 16000	58.6	60.3	61.0	61.8	62.0	62.0	62.0	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
GE 14000	58.6	60.3	61.0	61.8	62.0	62.0	62.0	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
GE 12000	59.2	61.1	61.8	62.6	63.0	63.0	63.1	63.1	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3
GE 10000	61.0	63.3	64.0	64.8	65.2	65.2	65.3	65.3	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6
GE 9000	62.8	65.2	65.9	66.8	67.2	67.2	67.3	67.3	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6
GE 8000	65.8	68.6	69.6	70.8	71.2	71.2	71.3	71.3	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6
GE 7000	67.6	70.4	71.4	72.7	73.1	73.1	73.2	73.2	73.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6
GE 6000	67.8	70.8	71.8	73.0	73.4	73.4	73.6	73.6	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9
GE 5000	69.0	72.0	73.1	74.3	74.8	74.8	74.9	74.9	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2
GE 4500	70.1	73.1	74.2	75.4	75.9	75.9	76.0	76.0	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.3
GE 4000	71.2	74.2	75.3	76.5	77.0	77.0	77.1	77.1	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4
GE 3500	72.1	75.4	76.6	77.8	78.2	78.2	78.3	78.3	78.3	78.6	78.7	78.7	78.7	78.7	78.7	78.7
GE 3000	74.3	77.8	78.9	80.1	80.7	80.8	81.0	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3
GE 2500	77.2	80.7	81.8	83.1	83.7	83.8	84.0	84.0	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3
GE 2000	78.6	82.0	83.3	84.7	85.2	85.4	85.7	85.7	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0
GE 1800	79.0	82.4	83.8	85.1	85.7	85.9	86.0	86.1	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4
GE 1500	80.4	83.9	85.3	86.8	87.3	87.6	87.7	87.8	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1
GE 1200	81.9	85.7	87.2	88.7	89.4	89.7	89.8	89.9	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2
GE 1000	82.6	86.3	88.0	89.6	90.4	90.7	90.9	91.0	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3
GE 900	83.4	87.3	89.1	90.7	91.9	92.1	92.3	92.4	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8
GE 800	84.1	88.2	90.1	91.9	93.1	93.3	93.6	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 700	84.6	88.8	90.8	92.6	93.9	94.1	94.3	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 600	84.8	89.1	91.1	93.1	94.7	94.9	95.2	95.4	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 500	84.8	89.1	91.2	93.4	95.0	95.4	96.0	96.2	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6
GE 400	85.0	89.3	91.7	93.9	95.6	96.0	96.7	97.1	97.1	97.6	97.8	97.8	97.8	97.8	97.8	97.8
GE 300	85.0	89.3	91.7	94.0	95.7	96.1	97.1	97.9	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	85.0	89.3	91.7	94.0	95.7	96.1	97.1	97.9	97.9	98.7	99.1	99.1	99.1	99.1	99.1	99.1
GE 100	85.0	89.3	91.7	94.0	95.7	96.1	97.1	97.9	97.9	98.8	99.2	99.2	99.2	99.2	99.2	99.2
GE 000	85.0	89.3	91.7	94.0	95.7	96.1	97.1	97.9	97.9	98.8	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
 LSI TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
 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	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 20000	58.1	58.9	59.0	59.1	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 18000	58.1	58.9	59.0	59.1	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 16000	58.2	59.0	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 14000	58.4	59.2	59.3	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
GE 12000	59.2	60.2	60.4	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 10000	62.1	63.1	63.3	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 9000	64.7	65.7	65.9	66.1	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 8000	67.1	68.1	68.7	68.9	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 7000	69.0	69.1	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 6000	68.3	69.4	70.0	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
GE 5000	70.2	71.6	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4500	72.3	73.9	74.4	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 4000	74.4	76.1	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 3500	77.3	79.1	79.7	79.9	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 3000	81.4	83.4	84.1	84.3	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	86.0	88.2	88.9	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 2000	88.1	90.6	91.8	92.2	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1800	88.7	91.4	92.6	93.0	93.3	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1500	90.1	93.0	94.2	94.9	95.2	95.4	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1200	90.9	93.9	95.3	96.1	96.8	97.0	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	91.3	94.4	95.9	96.9	97.4	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	91.6	94.7	96.1	97.0	97.7	98.0	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	91.9	95.0	96.4	97.3	98.0	98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	92.0	95.1	96.7	97.6	98.2	98.6	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	92.0	95.1	96.9	97.7	98.3	98.7	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	92.0	95.1	96.8	97.7	98.3	98.7	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	92.0	95.1	96.9	97.8	98.4	98.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	92.0	95.1	96.9	97.8	98.4	98.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	92.0	95.1	96.9	97.8	98.4	98.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	92.0	95.1	96.9	97.8	98.4	98.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	92.0	95.1	96.9	97.8	98.4	98.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI ID.UIC: + 5 MONTH: NOV HOURS: 15-17

CEILING VISIBILITY IN STATUTE MILES

IN FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	49.1	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	64.6	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 18000	64.6	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 16000	64.6	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 14000	64.6	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 12000	65.7	66.7	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	67.9	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 9000	69.2	70.3	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 8000	72.1	73.4	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 7000	74.2	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 6000	75.1	76.4	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 5000	77.8	79.1	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 4500	79.2	80.6	81.3	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 4000	81.2	82.6	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 3500	84.3	85.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 3000	87.3	89.0	90.1	90.2	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 2500	89.4	91.1	92.2	92.3	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2000	90.9	92.7	93.9	94.1	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1800	91.4	93.2	94.4	94.7	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500	92.3	94.3	95.7	96.1	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200	92.6	94.6	96.1	96.7	97.3	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	92.9	94.9	96.4	97.0	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	92.9	95.0	96.6	97.1	97.9	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	92.9	95.0	96.7	97.2	98.0	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	93.0	95.1	96.9	97.4	98.3	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	93.1	95.2	97.1	97.7	98.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	93.1	95.2	97.1	97.7	98.7	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	93.1	95.2	97.1	97.7	98.7	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	93.1	95.2	97.1	97.7	98.7	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	93.1	95.2	97.1	97.7	98.7	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	93.1	95.2	97.1	97.7	98.7	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 000	93.1	95.2	97.1	97.7	98.7	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	53.9	56.8	57.2	57.2	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 20000	68.0	71.7	72.1	72.1	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 18000	68.1	71.8	72.2	72.2	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 16000	68.3	72.0	72.4	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 14000	68.6	72.2	72.7	72.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 12000	69.0	72.7	73.3	73.3	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 10000	70.9	74.7	75.4	75.4	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 9000	72.6	76.4	77.2	77.2	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 8000	74.8	78.9	80.0	80.0	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 7000	76.3	80.8	82.0	82.1	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 6000	76.7	81.1	82.4	82.6	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 5000	78.2	82.5	84.2	84.3	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 4500	78.9	83.4	84.9	85.0	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4000	80.0	84.6	86.0	86.1	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 3500	81.3	86.1	87.6	87.7	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 3000	83.3	88.2	89.8	89.9	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 2500	83.8	88.9	90.6	90.7	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2000	84.4	89.6	91.2	91.4	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	84.7	89.8	91.4	91.7	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1500	85.2	90.7	92.3	92.8	93.3	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1200	85.9	91.4	93.1	93.6	94.3	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1000	86.7	92.4	94.2	94.9	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	86.8	92.6	94.7	95.4	96.4	96.4	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	87.2	93.0	95.1	95.9	97.0	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	87.3	93.2	95.4	96.3	97.4	97.4	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 600	87.4	93.4	95.7	96.7	97.7	97.7	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	87.6	93.7	96.0	97.1	98.7	98.7	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	87.9	94.1	96.4	97.6	99.1	99.1	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	87.9	94.2	96.6	97.7	99.2	99.2	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	87.9	94.2	96.6	97.7	99.2	99.2	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	87.9	94.2	96.6	97.7	99.2	99.2	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	87.9	94.2	96.6	97.7	99.2	99.2	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
 USAFETA, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LSI TO UTC: + 5 MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	56.4	57.6	58.1	58.7	58.7	58.8	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 20000	68.6	70.1	70.7	71.2	71.2	71.3	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 18000	68.7	70.2	70.8	71.3	71.3	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 16000	68.7	70.2	70.8	71.3	71.3	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 14000	68.8	70.3	70.9	71.4	71.4	71.6	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 12000	69.3	70.9	71.4	72.0	72.0	72.1	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 10000	71.2	73.0	74.3	74.9	74.9	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 9000	72.0	73.8	75.2	75.8	75.8	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 8000	73.8	75.6	77.0	77.7	77.7	77.8	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 7000	75.7	77.4	78.9	79.6	79.6	79.7	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 6000	75.8	77.6	79.0	79.7	79.7	79.8	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 5000	77.4	79.7	81.1	81.8	81.8	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4500	78.8	81.2	82.7	83.3	83.3	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 4000	79.8	82.2	83.3	84.4	84.4	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 3500	81.6	84.1	85.7	86.3	86.3	86.6	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 3000	83.4	86.0	87.6	88.2	88.2	88.4	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2500	84.6	87.2	88.9	89.6	89.6	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2000	85.1	87.8	89.6	90.3	90.3	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1800	85.7	88.3	90.1	90.9	90.9	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1500	86.2	89.0	90.8	91.7	91.7	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1200	86.7	89.6	91.3	92.2	92.2	92.6	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1000	87.1	90.0	92.0	93.0	93.0	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 800	87.4	90.3	92.6	93.6	93.6	94.2	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 600	87.7	90.6	93.0	94.0	94.0	94.8	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 500	88.0	91.0	93.7	94.8	94.8	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 400	88.9	92.2	95.2	96.4	96.4	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 300	89.0	92.4	95.6	97.1	97.1	98.3	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	89.1	92.7	95.9	97.5	97.5	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	89.1	92.7	96.1	97.8	97.8	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 000	89.1	92.7	96.1	97.8	97.8	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 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	48.1	51.1	53.1	54.1	54.7	54.8	55.1	55.1	55.1	55.3	55.4	55.4	55.4	55.5	55.6	55.7
GE 20000	57.7	61.4	63.6	64.8	65.4	65.5	65.8	65.9	65.9	66.1	66.1	66.1	66.3	66.3	66.4	66.5
GE 18000	57.7	61.4	63.6	64.8	65.4	65.5	65.8	65.9	65.9	66.1	66.2	66.2	66.3	66.3	66.4	66.5
GE 16000	57.7	61.4	63.7	64.8	65.5	65.6	65.9	65.9	66.0	66.2	66.2	66.2	66.4	66.4	66.4	66.5
GE 14000	57.8	61.5	63.7	64.9	65.6	65.6	65.9	66.0	66.0	66.2	66.3	66.3	66.4	66.4	66.5	66.6
GE 12000	58.3	62.1	64.4	65.6	66.3	66.4	66.7	66.8	66.8	66.9	67.0	67.0	67.2	67.2	67.3	67.3
GE 10000	60.3	64.2	66.3	68.0	68.8	68.8	69.1	69.2	69.2	69.4	69.5	69.5	69.7	69.7	69.7	69.8
GE 9000	61.7	65.8	68.4	69.8	70.5	70.6	70.9	70.9	70.9	71.1	71.2	71.2	71.4	71.4	71.5	71.6
GE 8000	63.8	68.1	70.9	72.3	73.1	73.1	73.4	73.5	73.5	73.7	73.8	73.8	74.0	74.0	74.1	74.2
GE 7000	65.3	69.8	72.6	74.1	74.8	74.9	75.2	75.3	75.3	75.5	75.6	75.6	75.8	75.8	75.8	75.9
GE 6000	65.7	70.1	73.0	74.5	75.2	75.3	75.6	75.7	75.7	75.9	76.0	76.0	76.1	76.1	76.2	76.3
GE 5000	67.2	71.7	74.7	76.1	76.9	77.0	77.3	77.3	77.3	77.6	77.6	77.6	77.8	77.8	77.9	78.0
GE 4500	68.3	72.9	76.0	77.4	78.2	78.3	78.6	78.7	78.7	78.9	79.0	79.0	79.2	79.2	79.3	79.3
GE 4000	69.4	74.2	77.3	78.8	79.6	79.6	79.9	80.0	80.0	80.2	80.3	80.3	80.5	80.5	80.6	80.7
GE 3500	71.2	76.1	79.3	80.8	81.6	81.7	82.0	82.1	82.1	82.3	82.3	82.3	82.5	82.5	82.6	82.7
GE 3000	73.4	78.5	81.8	83.3	84.2	84.3	84.6	84.7	84.7	84.9	85.0	85.0	85.2	85.2	85.3	85.4
GE 2500	75.3	80.5	83.9	85.4	86.3	86.5	86.8	86.9	86.9	87.1	87.2	87.2	87.4	87.4	87.5	87.6
GE 2000	76.4	81.6	85.3	87.0	87.9	88.1	88.4	88.5	88.5	88.7	88.8	88.8	89.0	89.0	89.1	89.2
GE 1800	76.8	82.2	85.7	87.4	88.3	88.5	88.9	89.0	89.0	89.2	89.3	89.3	89.5	89.5	89.6	89.7
GE 1500	77.5	83.1	86.8	88.5	89.6	89.7	90.1	90.3	90.3	90.5	90.6	90.6	90.8	90.8	90.9	90.9
GE 1200	78.2	84.0	87.7	89.5	90.7	90.9	91.3	91.5	91.5	91.7	91.8	91.8	92.0	92.0	92.1	92.2
GE 1000	78.6	84.4	88.2	90.1	91.4	91.6	92.1	92.2	92.2	92.5	92.6	92.6	92.7	92.7	92.8	92.9
GE 900	78.9	84.8	88.7	90.6	92.0	92.2	92.7	92.9	92.9	93.1	93.2	93.2	93.4	93.4	93.5	93.6
GE 800	79.2	85.2	89.1	91.1	92.5	92.7	93.2	93.4	93.4	93.6	93.7	93.7	93.9	93.9	94.0	94.1
GE 700	79.5	85.5	89.6	91.7	93.2	93.4	93.9	94.1	94.1	94.4	94.4	94.4	94.7	94.7	94.8	94.8
GE 600	79.8	86.0	90.2	92.4	94.1	94.3	94.9	95.0	95.0	95.3	95.4	95.4	95.6	95.6	95.7	95.8
GE 500	79.9	86.1	90.5	93.0	94.9	95.1	95.8	96.1	96.1	96.4	96.5	96.5	96.7	96.7	96.8	96.9
GE 400	80.0	86.2	90.8	93.4	95.4	95.6	96.4	96.8	96.8	97.1	97.2	97.2	97.5	97.5	97.6	97.7
GE 300	80.0	86.3	90.8	93.6	95.7	95.9	96.9	97.3	97.3	97.8	97.9	97.9	98.1	98.1	98.3	98.3
GE 200	80.0	86.3	90.9	93.6	95.8	96.0	97.1	97.6	97.6	98.1	98.3	98.3	98.7	98.7	98.8	98.9
GE 100	80.0	86.3	90.9	93.6	95.8	96.0	97.2	97.6	97.6	98.2	98.4	98.4	98.9	98.9	99.1	99.5
GE 000	60.0	66.3	69.9	73.6	75.8	76.0	77.2	77.6	77.6	78.2	78.4	78.4	78.9	78.9	79.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LSI TO UIC: + 5 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	45.4	52.2	55.4	56.3	57.0	57.1	57.3	57.5	57.5	57.5	57.5	57.5	57.5	58.1	58.5	58.6
GE 20000	48.9	56.3	59.7	60.8	61.4	61.5	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.5	62.9
GE 18000	48.9	56.3	59.7	60.8	61.4	61.5	61.7	61.9	61.9	61.9	61.9	61.9	61.9	62.5	62.9	63.0
GE 16000	48.9	56.3	59.7	60.8	61.4	61.5	61.7	61.9	61.9	61.9	61.9	61.9	61.9	62.5	62.9	63.0
GE 14000	49.0	56.5	59.8	60.9	61.5	61.6	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.6	63.0	63.1
GE 12000	49.4	56.8	60.1	61.2	61.8	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.9	63.3	63.4
GE 10000	51.7	59.5	63.2	64.3	64.9	65.1	65.3	65.5	65.5	65.5	65.5	65.5	66.0	66.0	66.5	66.6
GE 9000	52.6	60.8	64.5	65.7	66.5	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.5	67.5	68.0	68.1
GE 8000	53.3	61.5	65.4	66.7	67.4	67.5	67.7	68.0	68.0	68.0	68.0	68.0	68.5	68.5	68.9	69.0
GE 7000	54.5	62.8	66.8	68.1	68.8	68.9	69.1	69.4	69.4	69.4	69.4	69.4	69.9	69.9	70.3	70.4
GE 6000	54.8	63.1	67.1	68.4	69.1	69.2	69.5	69.7	69.7	69.7	69.7	69.7	70.2	70.2	70.6	70.8
GE 5000	57.3	66.0	70.0	71.3	72.0	72.2	72.4	72.6	72.6	72.6	72.6	72.6	73.1	73.1	73.5	73.7
GE 4500	56.6	67.6	71.6	73.2	74.0	74.1	74.3	74.5	74.5	74.5	74.5	74.5	75.1	75.1	75.5	75.6
GE 4000	60.9	70.2	74.4	76.0	76.8	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.8	77.8	78.3	78.4
GE 3500	61.5	71.3	75.9	77.5	78.3	78.4	78.6	78.8	78.8	78.8	78.8	78.8	79.4	79.4	79.8	79.9
GE 3000	63.4	74.1	78.9	80.5	81.3	81.4	81.6	81.8	81.8	81.8	81.8	81.8	82.4	82.4	82.8	82.9
GE 2500	64.7	75.5	80.4	82.0	82.9	83.0	83.2	83.4	83.4	83.4	83.4	83.4	84.0	84.0	84.4	84.5
GE 2000	65.3	76.1	81.2	82.3	83.7	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.7	84.7	85.2	85.3
GE 1800	66.0	77.1	82.3	83.7	84.7	84.8	85.1	85.3	85.3	85.3	85.3	85.3	85.8	85.8	86.2	86.3
GE 1500	67.1	78.3	83.4	85.1	85.9	86.0	86.2	86.5	86.5	86.5	86.5	86.5	87.0	87.0	87.4	87.5
GE 1200	67.6	78.9	84.2	85.8	86.7	86.8	87.0	87.2	87.2	87.2	87.2	87.2	87.7	87.7	88.2	88.3
GE 1000	68.1	79.5	84.7	86.3	87.2	87.3	87.5	87.7	87.7	87.7	87.7	87.7	88.3	88.3	88.7	88.8
GE 900	68.3	79.8	85.1	86.9	87.7	87.8	88.1	88.3	88.3	88.3	88.3	88.3	88.8	88.8	89.2	89.4
GE 800	68.7	80.2	85.5	87.3	88.4	88.5	88.7	88.9	88.9	88.9	88.9	88.9	89.5	89.5	89.9	90.0
GE 700	69.0	80.5	85.9	87.7	88.8	88.9	89.2	89.5	89.5	89.5	89.5	89.5	90.0	90.0	90.4	90.5
GE 600	69.5	81.0	86.7	88.6	89.9	90.0	90.3	90.5	90.5	90.5	90.5	90.5	91.3	91.3	91.7	91.8
GE 500	69.6	81.2	87.0	89.0	90.4	90.5	91.5	91.7	91.7	91.7	91.7	91.7	92.5	92.5	92.9	93.0
GE 400	69.9	81.6	87.5	89.7	91.2	91.5	92.6	92.8	92.8	92.8	92.8	92.8	93.5	93.5	94.0	94.1
GE 300	69.9	81.6	87.7	89.8	91.8	92.3	94.0	94.3	94.3	94.3	94.3	94.3	95.5	95.5	95.9	96.0
GE 200	69.9	81.6	87.8	89.9	92.0	92.5	94.4	95.4	95.4	95.4	95.4	95.4	96.2	96.2	97.3	97.8
GE 100	69.9	81.6	87.8	89.9	92.0	92.5	94.4	95.4	95.4	95.4	95.4	95.4	96.5	96.5	97.7	98.6
GE 000	69.9	81.6	87.8	89.9	92.0	92.5	94.4	95.4	95.4	95.4	95.4	95.4	96.5	96.5	97.7	98.6

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	41.9	44.2	47.2	49.4	50.6	50.9	51.5	51.6	51.6	51.9	52.3	52.3	52.7	52.8	53.9	54.4
GE 20000	46.0	48.6	51.9	54.2	55.5	55.7	56.3	56.5	56.5	56.8	57.1	57.1	57.5	57.6	58.7	59.2
GE 18000	46.0	48.6	51.9	54.2	55.5	55.7	56.3	56.5	56.5	56.8	57.1	57.1	57.5	57.6	58.7	59.2
GE 16000	46.0	48.6	51.9	54.2	55.5	55.7	56.3	56.5	56.5	56.8	57.1	57.1	57.5	57.6	58.7	59.2
GE 14000	46.0	48.6	51.9	54.2	55.5	55.7	56.3	56.5	56.5	56.8	57.1	57.1	57.5	57.6	58.7	59.2
GE 12000	46.2	49.8	52.2	54.4	55.7	55.9	56.5	56.7	56.7	57.0	57.3	57.3	57.7	57.8	58.9	59.5
GE 10000	47.8	50.6	54.2	56.5	57.7	58.0	58.6	58.7	58.7	59.0	59.4	59.4	59.8	59.9	61.0	61.5
GE 9000	48.5	51.3	54.8	57.7	59.2	59.5	60.1	60.2	60.2	60.6	61.0	61.0	61.4	61.5	62.6	63.1
GE 8000	49.0	51.9	55.5	58.4	59.9	60.1	60.9	61.0	61.0	61.4	61.7	61.7	62.2	62.3	63.3	63.9
GE 7000	49.7	52.6	56.3	59.4	61.0	61.2	62.0	62.2	62.2	62.6	62.9	62.9	63.3	63.4	64.5	65.1
GE 6000	49.9	53.1	56.9	59.9	61.5	61.7	62.6	62.7	62.7	63.1	63.4	63.4	63.9	64.0	65.1	65.6
GE 5000	51.7	54.9	58.8	61.8	63.4	63.7	64.5	64.6	64.6	65.1	65.4	65.4	65.8	65.9	67.0	67.5
GE 4500	53.1	56.3	60.4	63.4	65.1	65.3	66.1	66.2	66.2	66.7	67.0	67.0	67.4	67.5	68.6	69.1
GE 4000	56.2	59.6	63.9	67.0	68.6	68.8	69.7	69.8	69.8	70.2	70.5	70.5	71.0	71.1	72.2	72.7
GE 3500	57.4	60.9	65.4	68.6	70.2	70.4	71.3	71.4	71.4	71.8	72.2	72.2	72.6	72.7	73.8	74.3
GE 3000	59.4	62.9	67.6	71.0	72.6	72.8	73.7	73.9	73.8	74.2	74.5	74.5	74.9	75.1	76.1	76.7
GE 2500	61.0	64.5	69.6	72.9	74.7	74.9	75.8	75.9	75.9	76.3	76.7	76.7	77.1	77.2	78.3	78.8
GE 2000	62.8	66.5	71.6	75.1	76.9	77.1	78.0	78.1	78.1	78.5	78.8	78.8	79.2	79.4	80.4	81.0
GE 1800	63.2	66.9	72.2	75.6	77.4	77.6	78.5	78.6	78.6	79.0	79.4	79.4	79.8	79.9	81.0	81.5
GE 1500	64.4	69.1	74.1	77.5	79.4	79.6	80.4	80.5	80.5	81.0	81.3	81.3	81.7	81.8	82.9	83.4
GE 1200	65.1	68.7	75.4	78.9	80.8	81.0	81.8	81.9	81.9	82.4	82.7	82.7	83.1	83.2	84.3	84.8
GE 1000	65.5	69.2	76.0	79.6	81.4	81.6	82.5	82.6	82.6	83.0	83.3	83.3	83.8	83.9	84.9	85.5
GE 900	65.6	69.5	76.3	79.9	81.7	82.0	82.9	83.0	83.0	83.4	83.8	83.8	84.2	84.3	85.4	85.9
GE 800	65.8	69.7	76.7	80.2	82.0	82.4	83.2	83.3	83.3	83.8	84.1	84.1	84.5	84.6	85.7	86.2
GE 700	66.5	70.3	77.3	81.0	82.9	83.3	84.2	84.3	84.3	84.7	85.1	85.1	85.5	85.6	86.7	87.2
GE 600	66.9	71.1	78.2	82.0	84.0	84.4	85.6	85.7	85.7	86.1	86.5	86.5	86.9	87.0	88.1	88.6
GE 500	67.1	71.5	78.8	82.8	84.8	85.3	86.5	86.9	86.9	87.5	87.8	87.8	88.3	88.4	89.5	90.0
GE 400	67.4	71.8	79.2	83.2	85.6	86.0	87.7	88.3	88.3	88.9	89.2	89.2	89.7	89.8	90.9	91.4
GE 300	67.4	71.8	79.4	83.4	85.0	85.5	88.5	89.5	89.6	90.6	91.0	91.0	91.5	91.6	92.7	93.2
GE 200	67.4	71.8	79.5	83.5	85.1	85.6	88.6	90.0	90.4	91.9	92.5	92.5	93.2	93.3	94.4	94.9
GE 100	67.4	71.8	79.5	83.5	85.1	85.6	88.6	90.0	90.4	91.9	92.9	92.9	94.1	94.2	95.9	96.7
GE 000	67.4	71.8	79.5	83.5	85.1	85.6	88.6	90.0	90.4	91.9	92.9	92.9	94.1	94.2	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: DEC HOURS: 06-08

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

NO	CEIL	VISIBILITY IN STATUTE MILES													
		7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1				
GE	32.2	36.8	41.6	44.2	46.6	46.9	47.5	48.1	48.1	49.0	49.0	49.7	49.9	50.9	51.8
GE	20000	35.8	40.9	46.5	49.1	51.7	52.2	52.9	53.5	53.7	54.5	54.8	55.5	56.8	57.7
GE	18000	35.8	40.9	46.5	49.1	51.7	52.2	52.9	53.5	53.7	54.5	54.8	55.5	56.8	57.7
GE	16000	35.8	40.9	46.5	49.1	51.7	52.2	52.9	53.5	53.7	54.5	54.8	55.5	56.8	57.7
GE	14000	35.9	41.0	46.6	49.2	51.8	52.3	53.0	53.7	53.8	54.6	54.9	55.6	56.9	57.8
GE	12000	36.0	41.1	46.7	49.4	52.0	52.5	53.2	53.9	54.0	54.8	55.2	55.8	57.1	58.1
GE	10000	37.5	43.1	49.7	51.5	54.2	54.6	55.6	56.3	56.5	57.3	57.6	58.3	59.6	60.5
GE	9000	38.3	43.9	49.5	52.5	55.3	55.7	56.7	57.4	57.5	58.4	58.7	59.4	60.6	61.6
GE	8000	39.4	45.2	51.0	54.1	57.0	57.4	58.4	59.1	59.2	60.1	60.4	61.1	62.4	63.3
GE	7000	40.3	46.3	52.2	55.4	58.3	58.8	59.8	60.5	60.6	61.5	61.8	62.5	62.7	64.7
GE	6000	40.8	46.8	52.6	55.8	58.8	59.4	60.3	61.1	61.2	62.0	62.4	63.0	64.3	65.3
GE	5000	41.9	48.5	54.6	58.0	61.0	61.5	62.6	63.3	63.4	64.3	64.6	65.5	66.8	67.7
GE	4500	44.0	51.0	57.2	60.5	63.5	64.1	65.2	65.9	66.0	66.9	67.2	68.1	68.3	70.3
GE	4000	46.3	54.0	60.2	63.8	66.9	67.4	68.5	69.2	69.4	70.2	70.5	71.4	71.6	73.7
GE	3500	48.0	55.6	62.3	65.9	69.0	69.6	70.6	71.4	71.5	72.4	72.7	73.5	73.8	75.8
GE	3000	49.6	57.5	64.3	68.0	71.1	71.6	72.7	73.4	73.5	74.4	74.7	75.6	75.8	77.8
GE	2500	50.4	58.8	65.7	69.6	72.7	73.2	74.4	75.2	75.3	76.1	76.5	77.3	77.5	79.7
GE	2000	51.4	60.0	67.1	70.8	73.9	74.4	75.6	76.3	76.5	77.3	77.6	78.5	78.7	80.9
GE	1800	51.5	60.4	67.6	71.3	74.6	75.2	76.3	77.1	77.2	78.1	78.5	79.4	79.6	81.7
GE	1500	52.6	61.4	68.7	72.4	75.7	76.2	77.4	78.2	78.3	79.1	79.6	80.4	80.6	82.8
GE	1200	53.7	62.6	70.1	73.9	77.1	77.6	78.8	79.6	79.7	80.5	81.0	81.8	82.0	84.2
GE	1000	54.0	62.9	70.4	74.3	77.7	78.3	79.5	80.3	80.4	81.3	81.7	82.6	82.8	84.9
GE	900	54.2	63.2	70.8	74.6	78.1	78.6	79.9	80.8	80.9	81.7	82.2	83.0	83.2	85.5
GE	800	54.6	63.7	71.4	75.3	78.7	79.2	80.5	81.5	81.6	82.5	82.9	83.8	84.0	86.2
GE	700	54.9	63.9	71.7	75.8	79.2	79.8	81.1	82.0	82.2	83.0	83.4	84.3	84.5	86.8
GE	600	54.9	64.3	72.5	76.6	80.4	81.1	83.0	84.0	84.1	84.9	85.4	86.2	86.5	88.7
GE	500	54.9	64.3	73.0	77.6	81.4	82.2	84.2	85.3	85.4	86.2	86.7	87.5	87.7	90.0
GE	400	55.1	64.5	73.4	78.1	82.0	83.0	85.6	86.9	87.2	88.1	88.5	89.4	89.6	91.8
GE	300	55.1	64.5	73.5	78.5	82.7	83.9	86.8	88.3	88.7	89.7	90.1	91.1	91.3	93.5
GE	200	55.1	64.5	73.5	78.5	82.7	83.9	86.8	88.3	88.7	89.7	90.1	91.1	91.3	93.5
GE	100	55.1	64.5	73.5	78.5	82.7	83.9	86.8	88.3	88.7	89.7	90.1	91.1	91.3	93.5
GE	000	55.1	64.5	73.5	78.5	82.7	83.8	87.1	88.6	89.2	90.6	91.3	91.3	91.5	95.7
		TOTAL NUMBER OF OBSERVATIONS 930													



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	37.5	39.1	41.1	42.2	42.5	42.5	42.8	42.8	42.8	42.9	43.0	43.0	43.0	43.0	43.1	43.2
GE 20000	49.8	51.5	53.5	54.7	55.1	55.1	55.4	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.8	55.9
GE 18000	49.8	51.5	53.5	54.7	55.1	55.1	55.4	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.8	55.9
GE 16000	49.8	51.5	53.5	54.7	55.1	55.1	55.4	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.8	55.9
GE 14000	50.1	51.8	53.9	55.1	55.4	55.4	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	56.1	56.2
GE 12000	51.2	52.9	55.1	56.3	56.8	56.8	57.1	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.5	57.6
GE 10000	53.2	55.1	57.2	58.5	58.9	58.9	59.2	59.2	59.2	59.4	59.5	59.5	59.5	59.5	59.7	59.8
GE 9000	54.3	56.1	58.3	59.6	60.0	60.0	60.3	60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.8	60.9
GE 8000	57.0	58.8	61.1	62.4	62.8	62.8	63.1	63.1	63.1	63.2	63.3	63.3	63.3	63.3	63.5	63.7
GE 7000	58.0	59.9	62.3	63.7	64.1	64.1	64.5	64.5	64.5	64.6	64.7	64.7	64.7	64.7	64.9	65.1
GE 6000	58.4	60.3	62.7	64.1	64.5	64.5	64.9	64.9	64.9	65.1	65.2	65.2	65.2	65.2	65.4	65.5
GE 5000	61.3	63.2	65.9	67.4	67.8	67.8	68.0	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.7	68.8
GE 4500	63.4	65.4	68.1	69.7	70.2	70.2	70.3	70.6	70.6	70.8	70.9	70.9	70.9	70.9	71.1	71.2
GE 4000	67.0	68.9	71.7	73.3	73.9	73.9	74.0	74.3	74.3	74.4	74.5	74.5	74.5	74.5	74.7	74.8
GE 3500	68.4	70.5	73.4	75.1	75.6	75.6	75.7	76.0	76.0	76.1	76.2	76.2	76.2	76.2	76.5	76.6
GE 3000	68.9	72.0	75.2	76.8	77.3	77.3	77.5	77.8	77.8	78.0	78.1	78.1	78.1	78.1	78.3	78.4
GE 2500	71.4	73.8	76.9	78.5	79.1	79.1	79.6	79.9	79.9	80.1	80.2	80.2	80.2	80.2	80.4	80.5
GE 2000	73.4	75.9	79.0	80.6	81.3	81.3	81.7	82.0	82.0	82.3	82.4	82.4	82.4	82.4	82.6	82.7
GE 1800	74.4	76.9	80.0	81.6	82.3	82.3	82.7	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.5	83.7
GE 1500	75.4	77.8	81.0	82.6	83.2	83.2	83.7	84.0	84.0	84.2	84.3	84.3	84.3	84.3	84.5	84.6
GE 1200	76.6	79.6	83.0	84.7	85.4	85.4	85.8	86.1	86.1	86.3	86.5	86.5	86.5	86.5	86.7	86.8
GE 1000	78.1	81.2	84.7	86.5	87.2	87.2	87.6	88.0	88.0	88.2	88.3	88.3	88.3	88.3	88.5	88.6
GE 900	78.5	81.6	85.4	87.1	88.1	88.1	88.7	89.0	89.0	89.4	89.5	89.5	89.5	89.5	89.7	89.8
GE 800	78.9	82.2	86.0	88.0	88.9	88.9	89.7	90.0	90.0	90.3	90.4	90.4	90.4	90.4	90.6	90.8
GE 700	79.2	82.6	86.7	88.8	89.9	89.9	90.1	91.3	91.3	91.6	91.7	91.7	91.7	91.7	91.9	92.0
GE 600	79.6	83.0	87.3	89.7	90.8	91.2	92.2	92.5	92.5	92.8	93.0	93.0	93.0	93.0	93.2	93.3
GE 500	79.6	83.1	87.6	90.0	91.1	91.6	92.8	93.1	93.1	93.4	93.7	93.7	93.7	93.7	93.9	94.0
GE 400	79.7	83.2	87.7	90.1	91.3	92.0	93.5	94.1	94.2	94.5	94.8	94.8	94.9	94.9	95.2	95.4
GE 300	79.7	83.2	87.7	90.1	91.3	92.4	94.2	95.1	95.2	95.7	96.3	96.3	96.5	96.5	96.7	96.9
GE 200	79.7	83.2	87.7	90.1	91.3	92.4	94.2	95.3	95.4	96.2	97.1	97.1	97.3	97.3	97.6	97.8
GE 100	79.7	83.2	87.7	90.1	91.3	92.4	94.2	95.3	95.4	96.5	97.3	97.3	97.6	97.6	98.6	98.9
GE 000	79.7	83.2	87.7	90.1	91.3	92.4	94.2	95.3	95.4	96.5	97.3	97.3	97.7	97.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA  
LSI TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
MONTH: DEC      HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	7	6	5	4	3	2	1 1/2	2	1 1/2	1	1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	41.2	42.5	42.6	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 20000	55.9	57.7	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	58.2
GE 18000	55.9	57.7	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	58.2
GE 16000	55.9	57.7	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	58.2
GE 14000	56.2	58.1	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 12000	57.7	59.6	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	59.2	61.2	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 9000	60.3	62.8	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 8000	63.7	66.0	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 7000	64.6	67.1	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 6000	64.7	67.2	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	67.8
GE 5000	67.6	70.1	70.6	70.6	70.6	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
GE 4500	70.0	72.5	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 4000	72.7	75.3	75.8	75.8	75.8	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 3500	75.6	78.6	79.1	79.2	79.2	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 3000	79.1	82.5	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	84.2	87.5	88.1	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2000	87.3	90.8	91.3	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1800	88.6	92.0	92.6	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	89.7	93.3	94.0	94.2	94.3	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
GE 1200	90.9	94.7	95.5	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000	91.4	95.6	96.3	96.7	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	91.4	95.7	96.5	97.0	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
GE 800	91.7	96.0	96.3	97.3	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
GE 700	91.8	96.2	97.1	97.6	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 600	91.8	96.2	97.1	97.6	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 500	91.9	96.2	97.1	97.6	98.1	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 400	91.9	96.2	97.1	97.6	98.1	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 300	91.9	96.2	97.1	97.6	98.1	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 200	91.9	96.2	97.1	97.6	98.1	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 100	91.8	96.2	97.1	97.6	98.1	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 000	91.5	96.2	97.1	97.6	98.1	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

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION: WAFB  
 USAF/TAC, ASHBVILLE, NC

STATION NUMBER: 72200      STATION NAME: WAFB      IAP: L110A      PERIOD OF RECORD: NOV 76 - OCT 88  
 USE TO MTC: 4 5      MONTH: DEC      HOURS: 15-17

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

CEILING IN FEET	VISIBILITY IN STATUTE MILES													
	7	6	5	4	3	2 1/2	2	1 1/2	1	3/4	5/8	3/8	1/4	0
500	42.8	47.6	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
600	62.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
700	60.4	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
800	60.4	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
900	60.4	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
1000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
1100	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
1200	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
1300	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
1400	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
1500	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
1600	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
1700	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
1800	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
1900	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
2000	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
2100	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
2200	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
2300	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
2400	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
2500	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
2600	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
2700	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
2800	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
2900	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
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
3100	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
3200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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
3600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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

TOTAL NUMBER OF OBSERVATIONS: 30



OPERATING LOCATION "AW"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722090 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 83  
LST TO UTC: + 5 MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
N0 CEIL	56.2	57.0	58.0	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 20000	65.7	66.0	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.8	67.8	67.8
GE 18000	65.7	66.5	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.8	67.8	67.8
GE 16000	65.7	66.5	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.8	67.8	67.8
GE 14000	65.7	66.0	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.8	67.8	67.8
GE 12000	66.0	67.1	67.4	67.7	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 10000	66.2	67.2	68.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.8	70.8	70.8
GE 2000	69.2	70.4	71.1	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.9	71.9
GE 3000	71.4	72.5	73.3	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.3	74.3	74.3
GE 7000	72.6	73.3	74.0	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6	75.6
GE 6000	72.9	74.1	74.9	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.9	75.9	75.9
GE 5000	75.2	75.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.3	78.3	78.3
GE 4500	77.4	77.7	79.5	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.9	80.9	80.9
GE 4000	79.4	80.5	81.5	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.9	82.9	82.9
GE 3500	80.5	81.8	82.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	84.1	84.1	84.1
GE 3000	83.1	84.5	85.5	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.9	86.9	86.9
GE 2500	85.1	86.0	87.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0	89.0
GE 2000	86.2	86.2	88.0	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.6	89.6	89.6
GE 1500	86.7	87.4	89.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.2	91.2	91.2
GE 1000	87.4	88.1	91.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.9	92.9	92.9
GE 900	87.7	88.5	91.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	94.0	94.0	94.0
GE 800	88.2	89.1	92.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6
GE 700	89.7	91.5	93.0	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.2	95.2	95.2
GE 600	90.0	91.9	93.5	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	96.0	96.0	96.0
GE 500	90.2	92.2	93.7	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.7	96.7	96.7
GE 400	90.4	92.4	94.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	97.4	97.4	97.4
GE 300	90.4	92.4	94.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	98.3	98.3	98.3
GE 200	90.4	92.4	94.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	99.0	99.0	99.0
GE 100	90.4	92.4	94.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	99.5	99.5	99.5
GE 000	90.4	92.4	94.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 610

OPERATING LOCATION "A"  
 USAFFIAC, ASHEVILLE NC

STATION NAME: ORLANDO IAP FLORIDA  
 STATION NUMBER: 722050  
 PERIOD OF RECORD: NOV 78 - OCT 88  
 LIST TO UTC: + 5  
 MONTH: DEC HOURS: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

CEILING IN FEET

VISIBILITY IN STATUTE MILES

	7	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	43.6	46.2	47.9	49.0	47.4	49.5	49.9	49.9	50.0	50.1	50.3	50.3	50.7	50.9
GE 20000	53.1	50.2	53.1	59.0	59.6	59.7	60.1	60.1	60.3	60.4	60.6	60.6	61.0	61.2
GE 13000	53.1	50.2	53.1	59.0	59.6	59.7	60.1	60.1	60.3	60.4	60.6	60.6	61.0	61.2
GE 16000	53.1	50.2	53.1	59.0	59.6	59.7	60.1	60.1	60.3	60.4	60.6	60.6	61.0	61.2
GE 14000	53.3	50.3	53.2	59.1	59.3	59.9	60.1	60.3	60.5	60.6	60.8	60.8	61.1	61.4
GE 12000	54.0	51.0	53.1	59.9	60.6	60.7	61.1	61.2	61.3	61.5	61.6	61.6	61.9	62.1
GE 10000	56.1	51.3	51.4	61.4	63.0	63.4	63.6	63.7	63.9	64.1	64.1	64.1	64.4	64.7
GE 9000	57.2	52.5	52.9	62.9	64.5	64.6	64.9	65.0	65.2	65.3	65.5	65.5	65.9	66.1
GE 8000	59.0	52.4	54.0	65.3	66.5	66.6	67.1	67.3	67.4	67.6	67.6	67.6	67.9	68.2
GE 7000	60.1	53.5	55.9	67.1	67.9	67.9	68.4	68.6	68.7	68.9	69.0	69.0	69.3	69.5
GE 6000	60.5	54.0	56.3	67.5	68.3	68.4	68.9	69.1	69.2	69.4	69.4	69.4	69.8	70.0
GE 5000	62.1	56.5	61.0	70.2	70.9	71.0	71.6	71.6	71.7	71.8	72.1	72.1	72.5	72.7
GE 4500	65.0	60.1	71.2	72.5	73.3	73.3	74.0	74.0	74.2	74.2	74.5	74.5	74.9	75.1
GF 4000	67.1	71.9	74.4	75.8	76.6	76.7	77.3	77.3	77.4	77.5	77.8	77.8	78.2	78.4
GE 3500	69.6	73.6	76.1	77.9	78.7	78.7	79.3	79.4	79.5	79.6	79.9	79.9	80.2	80.5
GF 3000	71.0	76.5	79.3	80.7	81.7	81.7	82.3	82.3	82.4	82.5	82.7	82.8	83.1	83.3
GE 2500	74.1	78.6	81.5	83.0	83.9	84.1	84.9	84.7	84.9	85.0	85.2	85.2	85.6	85.8
GF 2000	75.5	80.2	83.1	84.7	85.6	85.7	86.3	86.3	86.5	86.6	86.8	86.9	87.2	87.5
GE 1800	76.1	80.8	83.3	85.4	86.3	86.3	87.1	87.1	87.3	87.4	87.6	87.6	88.0	88.2
GF 1500	77.0	81.7	84.9	86.5	87.4	87.5	88.0	88.2	88.4	88.5	88.7	88.8	89.1	89.4
GF 1200	77.9	82.6	86.1	87.7	88.7	88.9	89.3	89.5	89.6	89.8	90.1	90.1	90.5	90.7
GE 1000	78.6	83.6	87.0	89.7	89.7	89.9	90.3	90.5	90.7	90.9	91.1	91.1	91.5	91.7
GF 900	79.3	84.2	87.3	89.0	89.1	90.0	90.7	91.0	91.2	91.3	91.5	91.6	91.9	92.2
GF 800	79.1	84.2	87.7	89.4	89.6	90.0	91.2	91.5	91.7	91.8	92.0	92.0	92.4	92.7
GE 700	79.3	84.5	88.0	91.1	91.3	91.4	92.0	92.3	92.4	92.4	92.6	92.7	93.0	93.3
GE 600	79.5	84.8	88.5	91.3	91.5	92.1	93.0	93.3	93.4	93.4	93.7	93.7	94.1	94.3
GE 500	79.6	84.9	88.8	91.3	92.3	92.5	93.0	94.2	94.3	94.3	94.6	94.6	95.0	95.2
GE 450	79.7	85.1	89.1	91.2	92.7	93.1	94.0	94.7	95.3	95.3	95.5	95.6	95.9	96.2
GE 300	79.7	85.1	89.1	91.3	92.9	93.5	94.4	95.5	96.0	96.2	96.5	96.6	96.9	97.2
GE 200	79.7	85.1	89.2	91.3	92.9	93.5	94.9	96.7	96.8	96.9	97.3	97.4	97.7	98.0
GF 100	79.7	85.1	89.2	91.3	92.9	93.5	94.9	96.7	96.8	97.0	97.7	97.8	98.4	98.8
GF 000	79.7	85.1	89.2	91.3	92.9	93.5	94.9	96.7	96.8	97.0	97.8	97.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7640

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722950 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	47.2	51.3	53.4	54.3	54.3	54.0	55.1	55.2	55.2	55.3	55.4	55.4	55.5	55.5	55.5	55.6
GE 20000	50.3	64.9	67.4	68.5	69.2	69.2	69.5	69.6	69.6	69.7	69.8	69.8	69.9	69.9	70.0	70.0
GE 15000	60.3	64.9	67.4	68.5	69.2	69.2	69.5	69.6	69.6	69.7	69.8	69.8	69.9	69.9	70.0	70.1
GE 10000	60.3	65.0	67.4	68.5	69.2	69.2	69.5	69.6	69.6	69.8	69.8	69.9	69.9	70.0	70.1	70.1
GE 14000	60.4	65.1	67.6	68.6	69.3	69.4	69.7	69.8	69.8	69.9	69.9	70.0	70.0	70.1	70.1	70.2
GE 12000	61.1	65.2	68.3	69.4	70.1	70.2	70.4	70.5	70.5	70.7	70.7	70.8	70.8	70.9	71.0	71.0
GE 10000	63.1	68.3	70.7	71.5	72.5	72.6	72.9	73.0	73.0	73.1	73.2	73.3	73.3	73.3	73.3	73.4
GE 9000	64.5	70.0	72.3	73.3	74.9	74.7	75.1	75.1	75.1	75.3	75.3	75.4	75.4	75.5	75.6	75.6
GE 8000	67.0	72.3	75.2	76.4	77.1	77.2	77.5	77.5	77.5	77.8	77.8	77.9	77.9	78.0	78.1	78.1
GE 7000	63.4	73.0	75.8	77.0	78.3	78.9	79.2	79.3	79.3	79.5	79.5	79.6	79.6	79.7	79.8	79.8
GE 6000	68.8	74.3	77.2	78.4	79.2	79.7	79.8	79.7	79.7	79.9	79.9	80.0	80.0	80.1	80.2	80.2
GE 5000	70.0	75.6	78.6	79.8	80.7	80.8	81.1	81.2	81.2	81.3	81.4	81.5	81.5	81.6	81.7	81.7
GE 4500	71.0	76.7	79.8	81.0	81.9	82.0	82.3	82.4	82.4	82.5	82.6	82.7	82.7	82.8	82.9	82.9
GE 4000	72.7	78.5	81.7	82.9	83.8	83.9	84.2	84.3	84.3	84.5	84.5	84.6	84.6	84.7	84.8	84.8
GE 3500	74.7	80.7	83.9	85.3	86.1	86.2	86.6	86.7	86.7	86.9	86.9	87.0	87.0	87.1	87.2	87.2
GE 3000	76.8	83.0	86.3	87.7	88.5	88.8	89.1	89.3	89.3	89.4	89.5	89.6	89.6	89.7	89.8	89.8
GE 2500	78.3	84.6	88.1	89.5	90.5	90.7	91.1	91.2	91.2	91.4	91.4	91.5	91.5	91.6	91.7	91.7
GE 2000	79.2	85.6	89.2	90.7	91.7	91.9	92.3	92.4	92.4	92.6	92.7	92.8	92.8	92.9	92.9	92.9
GE 1500	79.6	86.1	89.7	91.2	92.2	92.3	92.5	92.9	92.9	93.1	93.1	93.3	93.3	93.4	93.4	93.4
GE 1500	80.2	86.8	90.5	92.0	93.0	93.2	93.5	93.8	93.8	94.0	94.0	94.2	94.2	94.3	94.3	94.3
GE 1200	80.8	87.4	91.2	92.9	93.9	94.1	94.6	94.7	94.7	94.9	95.0	95.1	95.1	95.2	95.3	95.3
GE 1000	81.1	87.9	91.7	93.4	94.5	94.6	95.1	95.3	95.3	95.5	95.6	95.7	95.7	95.8	95.9	95.9
GE 900	81.2	88.1	92.0	93.7	94.8	95.0	95.5	95.7	95.7	95.9	96.0	96.1	96.1	96.2	96.3	96.3
GE 500	81.4	88.3	92.3	94.0	95.2	95.4	95.9	96.2	96.2	96.4	96.4	96.5	96.5	96.6	96.7	96.7
GE 700	81.5	88.5	92.5	94.3	95.5	95.7	96.3	96.5	96.5	96.7	96.8	96.9	96.9	97.0	97.1	97.1
GE 600	81.7	88.6	92.8	94.6	95.9	96.1	96.8	97.0	97.0	97.2	97.3	97.4	97.4	97.5	97.6	97.6
GE 500	81.7	88.7	93.0	94.9	96.2	96.5	97.2	97.5	97.5	97.8	97.8	98.0	98.0	98.1	98.2	98.2
GE 400	81.4	88.3	93.1	95.1	96.4	96.7	97.3	97.7	97.7	98.2	98.3	98.4	98.4	98.5	98.6	98.6
GE 300	81.8	88.7	93.5	95.5	96.9	97.3	98.0	98.2	98.2	98.5	98.6	98.8	98.8	98.9	99.0	99.0
GE 200	81.8	88.8	93.1	95.1	96.5	96.9	97.9	98.3	98.3	98.7	98.9	99.1	99.1	99.2	99.3	99.3
GE 100	81.9	88.8	93.1	95.1	96.5	96.9	97.9	98.3	98.3	98.7	98.9	99.2	99.2	99.5	99.6	99.6
GE 000	81.4	88.3	93.1	95.1	96.5	96.9	97.9	98.3	98.3	98.7	98.9	99.2	99.2	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 27467

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE AC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

ALPHABETICALLY BY AIRWAY CLASS

HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSERVATION	GT 1/2 OBSERVATION	PARTIAL OBSERVATION	TOTAL OBS
00-02	42.2	15.6	16.7	24.4	3.1	44.2	.9	930
03-05	37.5	17.3	12.4	29.6	3.2	44.2	1.9	930
09-09	34.7	12.9	17.9	29.0	5.4	44.4	2.9	930
09-11	23.3	15.4	20.2	30.9	2.4	53.3	.4	930
12-14	21.2	23.1	24.7	31.0		55.7		930
12-17	19.2	22.1	25.4	31.1		55.9		930
19-20	27.6	21.9	21.3	29.1		50.4		930
21-23	37.5	19.5	17.7	24.7	.4	62.0	.1	930
ALL HOURS	30.0	19.0	17.0	33.6	1.3	63.0	.0	7440

MONTH: FEB HOURS: ALL

00-02	39.0	19.9	15.4	24.5	2.1	42.0	.2	849
03-05	33.6	17.0	15.0	30.0	4.5	49.5	1.3	849
06-08	31.6	17.4	15.2	29.2	6.5	51.0	3.3	849
09-11	22.6	17.7	23.3	34.4	2.0	53.7	.6	849
12-14	14.3	22.0	32.2	31.4	.1	63.7		849
15-17	13.8	24.5	23.1	32.6		61.7		849
19-20	21.0	26.6	23.6	23.9		52.4		849
21-23	32.2	22.4	17.0	27.3	.2	45.0	.1	849
ALL HOURS	25.7	20.7	21.9	29.1	1.9	53.2	.7	6792



OPERATING LOCATION "AW"  
USAF/TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	
00-02	41.5	19.5	17.1	21.9	930
03-05	34.5	22.4	17.0	25.1	930
05-08	29.7	24.3	17.7	27.4	930
09-11	22.2	25.2	25.3	26.6	930
12-14	15.3	26.5	33.8	23.7	930
15-17	13.9	30.0	32.4	23.7	930
18-20	23.9	23.1	24.5	23.5	930
21-23	37.5	23.0	19.5	19.0	930
ALL HOURS	27.0	24.0	23.0	23.0	7440
00-02	44.2	21.0	15.6	19.2	900
03-05	44.7	22.7	13.3	16.3	900
06-08	25.4	26.7	20.0	16.8	900
09-11	26.1	29.7	24.7	19.4	900
12-14	17.4	31.3	36.7	20.2	900
15-17	16.3	32.0	32.0	17.7	900
18-20	25.4	23.6	26.0	13.1	900
21-23	35.9	21.3	29.7	15.7	900
ALL HOURS	31.1	26.9	23.0	13.9	7200

MONTH: APR HOURS: ALL

OPERATING LOCATION: WAW  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM AIRCRAFT OBSERVATIONS

STATION NUMBER: 722050

STATION NAME: DALAMOU IAP FLJ-10A  
LST TO UTC: + 5

PERIOD OF RECORD: NOV 76 - OCT 88  
MONTH: MAY HOUR: FALL

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ALPINE CLASSES

HOURS CLEAR SCATTERED BROKEN OVERCAST TOTAL 1/2 OF PARTIAL TOTAL

(LST) DISCUSSION JOBS

00-02 41.1 23.4 19.9 15.3 .1 35.3 .2 930

02-05 39.3 28.5 17.5 15.1 .6 33.0 1.1 930

06-08 26.2 21.3 24.4 16.0 .5 41.0 2.2 930

09-11 15.8 36.3 31.1 15.8 46.0 .2 930

12-14 6.7 39.5 36.1 15.7 54.8 930

15-17 5.9 41.1 35.1 17.7 .2 53.0 930

18-20 15.5 32.3 29.2 20.8 43.4 930

21-23 32.0 27.0 22.5 17.0 40.3 930

ALL HOURS 23.0 32.0 27.0 15.0 .0 44.0 .0 7440

.....

MONTH: JUN HOURS: ALL

00-02 25.9 31.9 25.7 15.6 42.2 .6 900

03-05 25.5 35.4 23.9 14.0 .1 33.0 1.2 900

06-08 13.0 35.7 32.7 13.0 .7 45.3 2.9 900

09-11 3.5 35.2 43.2 13.0 56.2 .4 900

12-14 3.3 33.7 44.7 17.0 62.6 .2 900

15-17 3.3 30.9 37.3 20.3 .1 65.2 .4 900

18-20 4.6 22.4 37.4 26.2 .4 49.0 .2 900

21-23 16.0 28.6 29.1 26.3 55.4 .3 900

ALL HOURS 13.7 31.5 33.0 20.7 .2 54.4 .6 7200

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: OKLAHOMA TAP FLJ-10A PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

AIRWAY CLASSES

HOURS (LST) CLEAR SCATTERED BROKEN OVERCAST TOTAL PERCENTAGE 1/2 DISCURATION TOTAL PARTIAL DISCURATION TOTAL OBS

00-02	19.5	33.0	28.2	13.4	41.6	.1	930
03-05	27.0	44.0	21.4	7.2	29.0	.2	930
06-08	12.5	47.5	27.3	9.6	37.7	1.1	930
09-11	5.1	44.4	39.5	10.9	50.5	.6	930
12-14		36.5	46.2	15.2	57.5	.8	930
15-17	.2	22.2	47.5	29.4	77.9	.9	930
18-20	1.6	21.4	40.0	37.0	77.0	.2	930
21-23	5.2	32.8	34.5	23.4	53.0	.1	930

ALL HOURS 9.0 39.0 35.0 10.0 .0 54.0 .0 7440

MONTH: AUG HOURS: ALL

00-02	17.3	32.3	31.5	14.9	50.4		930
03-05	24.8	41.9	22.8	9.0	33.2	.6	930
06-08	14.4	49.7	25.0	7.5	35.9	1.3	930
09-11	4.3	42.9	41.9	10.3	52.3	.1	930
12-14		35.7	46.7	17.4	64.3	.2	930
15-17	.5	22.6	45.2	31.5	76.7	.1	930
18-20	3.7	17.5	40.4	30.1	70.0		930
21-23	10.9	25.6	35.4	23.2	53.5		930

ALL HOURS 9.6 33.5 36.5 29.2 .0 50.7 .3 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5      MONTH: SEP HOURS: ALL

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AIRWAY CLASSES  
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HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSERVATIONS	GT 1/2 OBSERVATIONS	PARTIAL OBSCURATION	TOTAL OBS
00-02	22.2	31.4	28.3	17.7	46.0	.9	900	
03-05	24.0	36.7	21.1	14.2	35.3	1.7	900	
06-08	14.1	33.2	25.6	12.0	41.7	1.2	900	
09-11	7.1	29.7	37.8	15.4	53.2		900	
12-14	6.6	34.0	45.2	19.6	54.6	.1	900	
15-17	3.3	31.0	51.2	26.7	67.4		900	
18-20	6.1	31.0	26.4	33.6	42.0	.1	900	
21-23	16.7	21.2	26.0	25.3	52.1		900	
ALL HOURS	12.3	34.0	32.0	20.0	52.0	.0	7200	

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MONTH: OCT HOURS: ALL  
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00-02	42.2	26.7	16.3	13.5	30.5	.2	930
03-05	37.6	32.2	19.7	12.0	30.1	1.2	930
06-08	30.1	26.0	19.6	12.0	33.7	1.9	930
09-11	20.2	23.5	41.7	14.5	45.2	.2	930
12-14	7.3	30.2	43.2	13.0	46.0	.1	930
15-17	3.0	37.8	30.5	15.7	54.2		930
18-20	24.0	32.3	27.7	15.5	43.2	.2	928
21-23	35.5	34.2	19.9	14.1	30.0	.1	927
ALL HOURS	25.7	33.7	26.3	14.1	40.7	.5	7435

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722950      STATION NAME: ORLANDO IAP FL-104      PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5      MONTH: NOV      HOURS: ALL

APRWAY CLASSES

HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBS	GT 1/2 OBS	PARTIAL OSCURATION	TOTAL OBS
00-02	31.2	23.6	14.9	20.7	.8	40.2	.8	900
03-05	30.9	23.8	14.4	24.3	2.7	45.4	2.6	900
06-08	23.1	24.2	17.1	22.9	3.7	40.7	3.1	900
09-11	23.4	25.2	25.4	24.4	1.1	51.0	.3	900
12-14	13.3	26.0	39.2	20.4		60.2		900
15-17	13.0	32.3	33.7	22.9	.1	26.7		900
19-20	21.1	24.7	27.4	22.7	.1	50.2	.2	900
21-23	23.6	26.0	23.2	20.7	.6	45.4	.2	900
ALL HOURS	23.0	27.0	29.0	22.0	1.0	44.0	.0	7200

MONTH: DEC      HOURS: ALL

00-02	33.4	23.4	16.5	24.6	2.0	43.1	1.4	930
03-05	32.4	19.9	16.7	25.0	5.4	40.1	3.2	930
06-08	28.8	21.1	17.4	27.1	3.0	30.3	4.3	930
09-11	17.5	21.2	29.9	22.5	3.0	41.3	.4	930
12-14	11.2	24.4	34.8	27.4	.2	64.9		930
15-17	11.2	23.1	27.2	30.9		65.7		930
19-20	17.9	23.8	25.1	27.2		56.3		930
21-23	22.9	24.7	21.2	24.4	.8	46.2	.2	930
ALL HOURS	22.9	22.7	26.3	27.0	2.0	44.9	1.2	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: OPLANDG IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
LSI TO UTC: + 5      MONTH: ALL HOURS: ALL

HOURS (LSI)	AIRWAY CLASSES					TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBS	
00-02	33.1	26.2	20.9	19.1	.7	40.7
03-05	33.1	28.5	18.1	18.7	1.6	30.4
06-08	25.6	31.4	22.1	17.4	2.4	42.9
09-11	16.9	30.9	31.3	20.3	.7	52.3
12-14	9.3	30.3	38.8	21.1	.1	59.6
15-17	8.7	23.2	35.1	25.8	.1	62.0
18-20	16.3	26.3	29.2	27.6	.1	56.9
21-23	27.1	26.5	23.7	22.5	.2	46.4
ALL HOURS	21.3	26.7	27.5	21.7	.7	40.9
						.6
						87667

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (PDF). THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE PDF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC). THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1948, DAILY MAXIMUM AND MINIMUM TEMPERATURES WERE AUTOMATICALLY OBSERVED ON AFS 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. THE YEARLY AMOUNT ONLY APPEARS WHEN ALL MONTHS FOR THAT YEAR ALSO APPEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 30% OF DATA ARE AVAILABLE.

YEARLY TEMPERATURE. ALSO FROM SUMMARY OF DAY DATA. GIVES MONTHLY YEAR TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 30% OF DATA ARE AVAILABLE.

DAY-TWO TABLES, AND ONE POINT TEMPERATURES. THESE TABLES ARE CREATED FROM DAILY OBSERVATIONS--DATA IS SUMMARIZED:

- BY NIGHT 3-HOUR STAGNANT TIME READINGS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL YEARS COMBINED).
- BY YEAR (ALL YEARS AND ALL YEARS COMBINED).

YEARS, STANDARD DEVIATION, 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, "METEOROLOGICAL WEATHER DATA" AND AWP 105-59, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER NET BULB AND WIND POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DAY BULB TEMPERATURE IS BELOW -35 DEGREES F, NET BULB TEMPERATURES ARE NOT REPORTED (FORM-13). AS A RESULT, WINTER MEAN POINTS (AND MEAN POINTS) WITHIN EACH NET BULB TEMPERATURES ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME WIND GROUPS, IN FACT, MEAN NET BULB TEMPERATURES MAY ACTUALLY BE HIGHER AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.



TEMPERATURE CONVERSION:

$$F = 1.8C + 32$$

$$C = K - 273.0 \text{ (BEFORE 5 APRIL 77)}$$

$$C = K - 273.2 \text{ (SINCE 5 APRIL 77)}$$

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: USAFETAC, ASHEVILLE NC  
 STATION NAME: ORLANDO IAP FLORIDA  
 CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
 FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050  
 PERIOD OF RECORD: 4401-4610, 5205-8810  
 LST TO UTC: +05  
 MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 100					.2	.3	.1						.0
GE 95				.3	2.5	6.5	7.7	7.4	2.6	.2			2.5
GE 90			1.0	9.0	27.7	53.6	68.7	68.2	46.0	8.2			23.9
GE 85	.5	4.9	18.8	37.8	74.0	92.1	96.1	95.9	89.9	44.8			47.9
GE 80	15.5	23.3	44.3	71.2	95.2	98.9	99.5	99.9	97.7	81.1	9.9	1.5	66.5
GE 75	35.7	43.7	67.6	90.9	99.2	99.9	100.0	100.0	99.8	93.8	45.4	20.2	79.4
GE 70	56.3	66.2	83.4	98.1	99.9	100.0			100.0	98.8	87.5	66.7	88.2
GE 65	75.1	81.5	93.6	99.6	100.0					99.9	94.5	81.2	93.9
GE 60	85.4	91.7	97.7	99.9						100.0	98.2	91.3	97.1
GE 55	95.0	96.7	99.4	100.0							99.6	97.0	99.0
GE 50	97.8	99.3	100.0								99.9	99.2	99.7
GE 45	99.4	100.0									100.0	99.7	99.9
GE 40												100.0	100.0
GE 35													100.0

MEAN	70.0	72.3	77.1	82.3	86.9	89.7	90.9	90.5	88.7	83.3	77.3	72.0	81.8
SD	8.91	8.56	7.65	5.61	4.36	3.73	3.39	3.01	3.56	5.00	6.65	8.26	9.56
TOTAL OBS	1203	1098	1178	1140	1194	1170	1209	1209	1200	1223	1140	1178	14137

OPERATING LOCATION 'A' CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
 USAFETAC, ASHEVILLE NC FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050 STATION NAME: ORLANDU IAP FLORIDA PERIOD OF RECORD: 4401-4610,5205-8810  
 LST TO UTC: +05 MONTH: ALL HOURS: ALL

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANN

(DEG-F)

GE	80	75	70	65	60	55	50	45	40	35	33	30	25	20	15
	.2	4.0	12.5	27.1	32.2	37.3	48.6	66.2	81.5	93.1	95.5	97.9	99.3	99.9	100.0
	8.4	20.9	36.1	58.9	77.8	87.4	94.9	99.1	99.7	100.0					
	21.5	32.2	48.6	66.2	81.5	93.1	95.5	97.9	99.3	99.9					
	28.0	37.3	48.6	56.3	66.2	75.0	81.5	87.4	93.1	95.5	97.9	99.3	99.9	100.0	
	30.3	40.0	50.7	60.4	70.1	79.8	89.5	99.2	100.0						
	33.7	43.4	53.1	62.8	72.5	82.2	91.9	100.0							
	37.0	46.7	56.4	66.1	75.8	85.5	95.2	100.0							
	40.3	50.0	59.7	69.4	79.1	88.8	98.5	100.0							
	43.7	53.4	63.1	72.8	82.5	92.2	100.0								
	47.0	56.7	66.4	76.1	85.8	95.5	100.0								
	50.3	60.0	69.7	79.4	89.1	98.8	100.0								
	53.7	63.4	73.1	82.8	92.5	100.0									
	57.0	66.7	76.4	86.1	95.8	100.0									
	60.3	70.0	79.7	89.4	99.1	100.0									
	63.7	73.4	83.1	92.8	100.0										
	67.0	76.7	86.4	96.1	100.0										
	70.3	80.0	89.7	99.4	100.0										
	73.7	83.4	93.1	100.0											
	77.0	86.7	96.4	100.0											
	80.3	90.0	100.0												
	83.7	93.4	100.0												
	87.0	96.7	100.0												
	90.3	100.0													
	93.7	100.0													
	97.0	100.0													
	100.0	100.0													

MEAN	48.7	50.7	55.6	60.3	65.7	71.2	73.4	72.3	65.6	57.5	51.3	62.2
SD	9.42	8.80	7.76	5.98	4.48	2.77	1.86	2.35	5.89	8.09	9.50	10.96
TOTAL OBS	1203	1088	1178	1140	1194	1170	1209	1199	1223	1140	1178	14131

OPERATING LOCATION 'A' CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
 USAFETAC, ASHEVILLE NC FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: 4401-4610, 5205-8810  
 LST ID UIC: +05 MONTH: ALL HOURS: ALL

TEMP (DEG-F) JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANN

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
85					.8	6.6	10.1	9.8	4.3				2.7
80			1.1	3.1	21.8	69.2	90.3	92.1	73.2	15.0	.5		31.0
75	.7	3.2	13.5	31.7	74.5	93.5	99.8	99.9	97.9	57.6	14.0	4.1	50.3
70	13.1	18.0	38.3	67.5	94.0	99.9	100.0	100.0	100.0	85.6	46.8	20.6	66.1
65	32.6	39.5	65.5	89.9	99.7	100.0				96.0	71.6	43.4	78.6
60	52.4	61.9	83.0	98.9	100.0					99.2	86.8	61.5	87.2
55	70.9	80.9	93.5	99.6						100.0	94.7	80.2	93.4
50	87.2	92.4	98.4	100.0							98.5	92.2	97.4
45	95.8	97.9	99.7								99.8	97.4	99.2
40	98.2	99.7	99.9							100.0	100.0	99.5	99.8
35	99.7	100.0	100.0								99.7	99.7	100.0
33	99.3										99.8	99.8	100.0
30	99.9										99.9	99.9	100.0
25	100.0									100.0	100.0	100.0	100.0

MEAN	59.6	61.7	66.6	71.5	76.6	80.7	82.0	82.2	80.7	74.7	67.6	61.9	72.3
\$0	8.58	8.03	7.14	5.12	3.70	2.63	2.03	1.95	2.46	4.91	6.90	8.36	9.93
TOTAL OBS	1203	1088	1178	1140	1194	1170	1209	1208	1199	1223	1140	1178	14131

OPERATING LOCATION 'A'  
 JSAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
 LST TO UTC: +05

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
 FROM SUMMARY OF DAY DATA

YEAR	PERIOD OF RECORD: 4401-4610,5205-8810												
	MONTH: ALL											ANNUAL	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
44	81*	87	89	91	93	100	95	95	96	91	82	81	100*
45	81	86	91	96	101	100	94	94	93	90	84	81	101
46	82	84*							93	89*			93*
52	80	84	87	91	93*	97	95	94	95	90	85	78	97*
53	83	83	89	90	100	95	95	96	93	87	84	83	100
54	80	82	89	90	91	97	95	97	94	91	84	80	97
55	80	82	89	90	94	94	93	95	92	90	84	84	95
56	81	85	89	90	97	94	96	96	91	88	85	84	97
57	84	85	88	89	91	93	95	96	95	87	88	79	96
58	75	83	83	95	92	94	93	97	94	95	86	82	97
59	82	86	85	86	93	97	94	95	91	91	86	81	97
60	83	80	84	85	94	94	94	95	90	89	85	81	95
61	82	87	86	89	92	94	98	97	93	91	86	85	98
62	84	89	86	90	98	93	96	93	94	92	83	82	98
63	86	80	88	90	93	95	94	97	92	88	81	81	97
64	83	90	86	90	93	95	95	94	91	92	86	83	95
65	85	85	88	92	94	93	94	91	90	90	81	81	94
66	78	83	85	88	92	93	94	93	91	91	82	79	94
67	85	94	86	91	97	93	95	92	91	88	86	86	97
68	84	77	85	90	90	91	94	92	94	91	83	84	95
69	80	81	84	91	90	96	97	94	91	89	83	82	97
70	82	79	90	90	90	95	95	94	94	90	87	83	95
71	82	88	87	92	92	94	94	97	91	92	88	84	97
72	85	86	87	92	89	94	96	98	97	89	86	84	98
73	82	83	86	88	96	92	91	91	91	89	88	83	96
74	94	84	90	92	95	95	94	94	93	89	87	82	95
75	84	87	90	93	94	94	93	94	94	90	87	82	94
76	84	86	88	91	93	92	97	94	93	91	85	84	97
77	78	85	90	90	93	99	95	94	97	93	86	85	99
78	84	80	89	93	96	96	97	94	95	92	88	90	97
79	83	84	85	90	92	94	96	95	92	90	87	83	96
80	82	85	90	90	93	96	99	100	95	92	89	81	100

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

OPERATING LOCATION 'A':  
USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: +05

PERIOD OF RECORD: 4401-4610, 5205-8810  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	77	83	90	91	95	95	93	96	93	94	85	83	98
82	86	87	90	92	92	95	94	94	95	90	86	87	95
83	83	83	87	88	93	92	97	95	95	90	85	85	97
84	81	83	86	88	94	94	93	94	93	89	85	84	94
85	84	87	87	91	95	100	95	95	94	92	87	84	100
86	82	86	88	92	96	96	90	96	93	95	89	86	96
87	85	84	86	90	92	98	96	99	96	89	86	82	99
88	82	89	86	93	94	95	95	95	98	92			98*
GREATEST	86	89	91	95	101	100	99	100	98	95	89	90	101
TOTAL OBS	1203	1088	1178	1140	1194	1170	1209	1209	1200	1223	1140	1178	14132
THE GREATEST VALUE OF 101 OCCURRED ON 05/31/45													

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: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LSI TO UTC: +05

PERIOD OF RECORD: 4401-4610, 5205-8810  
MONTH: ALL HOURS: ALL

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

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERIOD OF RECORD: 4401-4610, 5205-6810

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LSI TO UIC: 405

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	20	31	35	50	52	65	64	72	57	53	35	30	20
82	23	42	40	49	60	69	69	59	64	47	47	36	23
83	33	36	36	48	57	68	71	73	64	56	39	20	20
84	34	34	33	48	55	53	68	67	67	57	38	33	33
85	19	32	41	46	60	69	69	70	67	61	46	26	19
86	26	39	35	47	56	70	63	72	69	60	53	49	26
87	32	39	44	36	56	68	70	72	68	55	43	38	32
88	36	37	42	49	57	54	68	71	70	54			36*

LEAST	19	29	25	36	44	53	64	65	57	45	30	20	19
TOTAL OBS	1203	1088	1172	1140	1194	1170	1209	1209	1194	1223	1140	1178	14131

THE LEAST VALUE OF 19 OCCURRED ON 01/21/85

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 30% 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: 722050

STATION NAME: ORLANDO IAP FLORIDA

PERIOD OF RECORD: 4401-4610, 5205-8810

LST TO UTC: +05

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
44	59*	66	69	72	74	81	81	81	81	71	65	58	72*
45	59	65	71	74	74	81	81	81	80	74	64	59	72
46	61	62*							40	74*			70*
52	61	64	70	72	80*	82	82	82	81	74	67	59	76*
53	61	63	65	72	80	81	83	82	80	73	67	64	73
54	62	63	65	75	76	81	82	83	81	73	64	58	72
55	59	63	68	73	73	79	81	82	81	73	66	62	72
56	56	65	68	70	78	80	82	83	79	74	65	65	72
57	65	68	65	73	77	81	82	81	81	72	70	60	73
58	53	53	64	72	75	81	82	82	82	73	72	62	71
59	59	64	64	71	74	81	81	81	80	78	68	62	73
60	61	60	61	71	75	79	82	82	80	77	71	59	72
61	58	65	70	69	76	80	82	82	81	74	70	64	73
62	61	63	64	70	79	80	83	82	80	75	64	59	72
63	60	58	69	73	77	81	82	82	80	73	65	55	71
64	58	59	67	73	76	82	82	83	90	73	70	65	72
65	60	64	67	74	75	79	80	80	79	73	67	61	72
66	57	61	65	70	75	79	83	82	79	74	64	59	71
67	62	59	67	72	77	80	82	82	80	74	68	68	73
68	62	54	61	73	76	74	81	81	79	73	63	59	70
69	60	58	60	72	75	82	83	81	80	77	65	61	71
70	56	57	66	74	74	79	81	81	80	75	62	62	71
71	60	62	63	69	75	74	81	83	81	78	69	70	73
72	58	53	59	72	76	81	82	82	80	75	68	64	73
73	61	58	69	69	75	79	81	80	80	76	71	61	72
74	71	61	70	72	78	80	81	82	82	73	68	61	73
75	66	68	68	73	79	81	81	82	81	77	68	60	74
76	57	64	71	72	77	80	83	82	81	73	63	60	72
77	51	58	70	71	75	82	82	82	83	73	70	61	72
78	57	56	60	74	79	83	83	83	82	75	73	67	73
79	58	58	65	74	76	81	84	83	82	75	69	63	72
80	51	57	63	71	77	80	84	84	82	76	67	59	72

OPERATING LOCATION: A  
 USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
 FROM SUMMARY OF DAY DATA

STATION NUMBER: 722050

STATION NAME: ORLANDO IAP FLORIDA  
 LSI TO UIC: 405

PERIOD OF RECORD: 4401-4610, 5205-8810  
 MONTH: ALL HOURS: ALL

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

MEAN 59.6 61.7 66.9 71.5 76.6 80.7 82.0 82.2 80.7 74.7 67.6 61.9 72.3

TOTAL OPS 1203 1098 1178 1140 1194 1170 1209 1209 1209 1199 1223 1140 1178 14131

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 99% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

OPV AIR TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
 LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
 MONTH: JAN

HOURS	MEAN	STANDARD DEVIATION	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES	DEG F	TOTAL			
LST			HRS	LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
00-02	52.3	9.597	930	0	15	102	0	0	930
03-05	50.7	10.199	930	0	33	100	0	0	930
06-08	50.2	10.671	930	0	39	98	0	0	930
09-11	58.0	10.095	930	0	14	267	1	0	930
12-14	65.6	9.362	930	0	3	521	48	0	930
15-17	66.5	9.704	930	0	0	576	56	0	930
18-20	59.6	8.752	930	0	3	302	1	0	930
21-23	54.7	9.107	930	0	14	142	0	0	930

ALL HOURS 57.2 11.267 7442 0 124 2114 109 0 7440

MONTH: FEB	LE 0	LE 32	GE 65	GE 80	GE 93
00-02	0	0	142	0	849
03-05	0	0	111	0	849
06-08	0	1	103	0	849
09-11	0	0	382	1	849
12-14	0	0	615	96	849
15-17	0	0	634	143	849
18-20	0	0	441	13	849
21-23	0	0	227	0	849

ALL HOURS 61.0 10.745 6792 0 1 2660 253 0 6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
LSI TO UTC: + 5      MONTH: MAR

HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES	DEG F	TOTAL
LSI	DEVIATION	DEVIATION	DEVIATION	LE 0	GE 55	GE 93
			DEVIATION	LE 32	GE 80	GE 93
			DEVIATION	HOURS	HOURS	HOURS
00-02	59.7	7.753	930	0	283	0
03-05	58.1	6.029	930	0	219	0
06-08	58.4	6.150	930	0	226	0
09-11	67.0	7.813	930	0	652	27
12-14	73.0	7.754	930	0	819	223
15-17	74.3	7.607	930	0	841	269
18-20	68.6	7.780	930	0	683	60
21-23	62.7	7.519	930	0	422	0
ALL HOURS	65.5	9.901	7440	0	5144	579

HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES	DEG F	TOTAL
LSI	DEVIATION	DEVIATION	DEVIATION	LE 0	GE 55	GE 93
			DEVIATION	LE 32	GE 80	GE 93
			DEVIATION	HOURS	HOURS	HOURS
00-02	63.5	5.011	900	0	432	0
03-05	61.6	6.105	900	0	312	0
06-08	63.3	5.413	900	0	429	0
09-11	74.0	5.967	900	0	928	162
12-14	79.3	6.106	900	0	885	506
15-17	79.8	6.182	900	0	891	506
18-20	73.7	5.129	900	0	840	159
21-23	67.3	5.672	900	0	646	1
ALL HOURS	70.3	9.175	7200	0	5263	1334

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050		STATION NAME: ORLANDO IAP FLORIDA		PERIOD OF RECORD: NOV 78 - OCT 88					
LST TO UTC: + 5		MONTH: MAY		MONTH: JUN					
HOURS	MEAN	STANDARD	DEVIATION	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES	DEG F	TOTAL		
LST				OBS	LL	GE 65	GE 80	GE 93	HOURS
00-02	68.8	4.006	930	930	0	790	0	0	930
03-05	67.1	4.195	930	930	0	691	0	0	930
06-08	69.9	4.759	930	930	0	814	4	0	930
09-11	79.5	4.020	930	930	0	930	524	0	930
12-14	84.4	4.674	930	930	0	930	812	14	930
15-17	83.6	5.585	930	930	0	928	750	32	930
18-20	77.6	5.153	930	930	0	927	323	2	930
21-23	71.9	4.010	930	930	0	889	16	0	930
ALL HOURS	75.4	7.890	7440	7440	0	6899	2429	48	7440
00-02	74.2	2.770	900	900	0	892	6	0	900
03-05	72.9	2.927	900	900	0	887	0	0	900
06-08	75.5	3.615	900	900	0	892	125	0	900
09-11	84.0	3.396	900	900	0	900	815	2	900
12-14	87.7	4.535	900	900	0	900	842	95	900
15-17	86.4	5.609	900	900	0	900	773	128	900
18-20	80.9	4.668	900	900	0	900	519	7	900
21-23	76.4	2.805	900	900	0	900	132	0	900
ALL HOURS	79.7	6.714	7200	7200	0	7171	3212	232	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST ID UIC: + 5 MONTH: JUL

HOURS	MEAN	STANDARD DEVIATION	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES	DEG F	TOTAL
LST			UBS	LE 0	GE 65	GE 93
00-02	75.8	2.214	930	0	930	42 0 930
03-05	74.7	2.076	930	0	930	1 0 930
06-08	77.0	3.055	930	0	930	214 0 930
09-11	85.5	3.124	930	0	930	895 5 930
12-14	88.9	4.360	930	0	930	877 132 930
15-17	86.3	6.287	930	0	930	758 165 930
18-20	81.1	5.000	930	0	930	541 9 930
21-23	77.5	2.971	930	0	930	218 0 930
ALL HOURS	80.8	6.317	7440	0	7440	3546 311 7440

MONTH: AUG

00-02	76.4	1.822	930	0	930	44 0 930
03-05	75.4	1.641	930	0	930	7 0 930
06-08	77.1	2.712	930	0	930	220 0 930
09-11	85.5	3.079	930	0	930	988 2 930
12-14	88.5	4.617	930	0	930	860 116 930
15-17	86.0	5.754	930	0	930	775 124 930
18-20	81.0	4.151	930	0	930	587 5 930
21-23	77.8	2.383	930	0	930	202 0 930
ALL HOURS	81.0	5.940	7440	0	7440	3583 247 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

OPY AIR TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
MONTH: SEP

HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL
LST	DEVIATION	OBS	OBS	LE 0	LE 32	GE 65	GE 80	GE 93	HOURS	HOURS
00-02	74.9	2.739	900	0	0	897	30	0	0	900
03-05	73.9	2.937	900	0	0	893	14	0	0	900
06-08	75.3	3.413	900	0	0	895	93	0	0	900
09-11	83.5	3.859	900	0	0	900	782	2	0	900
12-14	87.0	4.625	900	0	0	900	820	48	0	900
15-17	85.0	5.377	900	0	0	900	736	50	0	900
18-20	79.4	3.876	900	0	0	899	405	1	0	900
21-23	76.1	2.954	900	0	0	897	94	0	0	900
ALL	79.4	6.118	7200	0	0	7181	2974	101	0	7200
MONTH: OCT										
00-02	68.9	5.027	930	0	0	744	0	0	0	930
03-05	67.7	5.335	930	0	0	690	0	0	0	930
06-08	68.7	5.450	930	0	0	725	2	0	0	930
09-11	78.3	5.012	930	0	0	921	437	0	0	930
12-14	82.8	4.608	930	0	0	927	719	3	0	930
15-17	81.5	4.847	930	0	0	927	633	1	0	930
18-20	74.7	4.818	928	0	0	899	128	0	0	928
21-23	70.7	4.930	927	0	0	825	5	0	0	927
ALL	74.2	7.594	7435	0	0	6659	1924	4	0	7435

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050		STATION NAME: ORLANDO IAP FLORIDA		PERIOD OF RECORD: NOV 78 - OCT 88					
LST TO UIC: 5		LST TO UIC: 5		MONTH: NOV					
HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F		TOTAL			
LST	DEVIATION	DEVIATION	OBS	LC	LE	GE			
				0	32	65	80		
				GE	93				
							HOURS		
00-02	63.4	7.366	900	0	0	487	0	0	900
03-05	62.3	7.850	900	0	0	430	0	0	900
06-08	62.3	8.192	900	0	0	437	0	0	900
09-11	71.5	7.485	900	0	0	745	100	0	900
12-14	77.0	6.544	900	0	0	841	389	0	900
15-17	76.0	6.360	900	0	0	840	305	0	900
18-20	68.9	6.659	900	0	0	686	9	0	900
21-23	65.1	7.083	900	0	0	560	0	0	900
ALL									
HOURS	68.3	9.100	7200	0	0	5026	803	0	7200
MONTH: DEC									
00-02	57.9	9.170	930	0	10	268	0	0	930
03-05	56.6	9.533	930	0	13	220	0	0	930
06-08	56.2	9.883	930	0	15	213	0	0	930
09-11	63.9	10.063	930	0	9	490	15	0	930
12-14	70.8	9.245	930	0	1	726	144	0	930
15-17	70.6	8.701	930	0	0	723	122	0	930
18-20	63.8	8.833	930	0	2	508	1	0	930
21-23	60.0	8.959	930	0	5	365	1	0	930
ALL									
HOURS	62.5	10.823	7440	0	56	3513	283	0	7440



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      MONTH: ALL

HOURS	MEAN	STANDARD DEVIATION	TOTAL HRS	MEAN NUMBER OF HOURS WITH TEMPERATURES	DEG F	TOTAL HOURS			
LST				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	66.0	10.168	10959	0	31	6897	122	0	10959
03-05	64.6	10.488	10959	0	49	6413	22	0	10959
06-08	65.7	11.461	10959	0	59	6698	658	0	10959
09-11	74.6	11.439	10959	0	24	8875	4647	11	10959
12-14	79.6	10.212	10959	0	4	9923	6336	409	10959
15-17	78.9	9.601	10959	0	0	10020	5826	500	10959
18-20	72.8	9.753	10957	0	5	8945	2746	24	10957
21-23	68.2	9.825	10956	0	21	7739	669	0	10956

ALL HOURS      71.3      11.819      07667  
 0      193      65510      21026      944      87667

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050		STATION NAME: ORLANDO IAP FLORIDA		PERIOD OF RECORD: NOV 78 - OCT 88					
LST IC UIC: + 5		MONTH: JAN		MONTH: FEB					
HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	50.0	10.146	930	42	472	33	0	0	930
03-05	48.7	10.726	930	54	439	28	0	0	930
06-08	48.3	11.101	930	57	425	30	0	0	930
09-11	53.2	10.459	930	25	600	95	3	0	930
12-14	56.4	9.513	930	13	712	145	8	0	930
15-17	56.4	8.897	930	7	718	128	3	0	930
18-20	53.5	9.303	930	16	613	66	0	0	930
21-23	51.3	9.664	930	27	512	45	0	0	930
ALL HOURS	52.2	10.447	7440	241	4491	570	14	0	7440
00-02	53.4	9.276	849	11	575	40	0	0	849
03-05	52.5	9.632	849	15	550	35	0	0	849
06-08	52.3	9.961	849	25	545	46	0	0	849
09-11	56.9	9.568	849	5	656	130	4	0	849
12-14	59.3	8.853	849	0	707	200	12	0	849
15-17	59.2	8.416	849	0	709	181	2	0	849
18-20	56.9	8.722	849	1	665	103	0	0	849
21-23	54.8	8.933	849	5	617	50	0	0	849
ALL HOURS	55.5	9.525	6792	53	5023	795	18	0	6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: MAR

HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	TEMPERATURES DEG F	TOTAL HOURS			
LST	GE 32	GE 50	GE 67	GE 73	GE 80	HOURS			
00-02	57.3	8.162	930	6	765	113	0	0	930
03-05	56.3	8.477	930	4	737	102	0	0	930
06-08	56.5	8.614	930	5	741	97	3	0	930
09-11	60.7	7.976	930	3	639	246	18	0	930
12-14	62.2	7.393	930	0	674	283	40	0	930
15-17	62.1	7.065	930	0	684	281	22	0	930
18-20	60.2	7.524	930	2	844	199	13	0	930
21-23	58.5	7.822	930	3	796	127	2	0	930
ALL HOURS	59.2	8.232	7440	24	6480	1448	98	0	7440

MONTH: APR

00-02	60.7	6.299	900	0	855	173	0	0	900
03-05	59.7	6.593	900	0	834	142	3	0	900
06-08	60.8	6.646	900	0	841	190	6	0	900
09-11	64.7	6.209	900	0	880	426	60	0	900
12-14	65.5	5.762	900	0	892	455	86	0	900
15-17	65.3	5.549	900	0	894	431	76	0	900
18-20	63.7	5.822	900	0	887	331	34	0	900
21-23	62.1	6.018	900	0	879	251	17	0	900
ALL HOURS	62.8	6.465	7200	0	6962	2399	282	0	7200

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

WEI BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAY

HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES	DEG F	TOTAL HOURS
LST				LE 32 GE 50 GE 67 GE 73 GE 80		
00-02	66.3	4.326	930	0 930 493 48	0	930
03-05	65.6	4.545	930	0 930 438 32	0	930
06-08	67.3	4.574	930	0 929 562 113	0	930
09-11	70.2	3.935	930	0 930 770 297	0	930
12-14	70.6	3.711	930	0 930 785 297	3	930
15-17	70.1	3.749	930	0 930 769 258	1	930
18-20	68.6	3.871	930	0 930 683 153	0	930
21-23	67.2	4.151	930	0 930 572 77	0	930
ALL HOURS	68.2	4.474	7440	0 7439 5072 1275	4	7440

MONTH: JUN

00-02	72.1	2.792	900	0 900 859 451	0	900
03-05	71.5	2.807	900	0 900 844 358	0	900
06-08	73.2	2.934	900	0 900 874 601	0	900
09-11	75.6	2.508	900	0 900 894 809	15	900
12-14	75.6	2.475	900	0 900 893 803	22	900
15-17	75.1	2.462	900	0 900 893 767	15	900
18-20	73.8	2.535	900	0 900 885 665	9	900
21-23	72.8	2.476	900	0 900 860 547	2	900
ALL HOURS	73.7	3.058	7200	0 7200 7022 5001	63	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

NET AIR TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: JUL

HOURS	MEAN	STANDARD DEVIATION	TOTAL HOURS	LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	73.7	1.643	930	0	930	929	704	0	930
03-05	73.2	1.819	930	0	930	923	623	0	930
06-08	74.5	2.096	930	0	930	929	774	5	930
09-11	77.2	1.806	930	0	930	930	914	74	930
12-14	77.1	1.958	930	0	930	930	909	86	930
15-17	76.0	2.166	930	0	930	930	877	32	930
18-20	74.8	2.187	930	0	930	930	809	12	930
21-23	74.1	1.874	930	0	930	930	759	3	930
ALL HOURS	75.1	2.382	7440	0	7440	7431	6369	212	7440

MONTH: AUG

HOURS	MEAN	STANDARD DEVIATION	TOTAL HOURS	LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	74.3	1.602	930	0	930	930	802	0	930
03-05	73.9	1.462	930	0	930	930	758	0	930
06-08	74.9	1.896	930	0	930	930	813	6	930
09-11	77.5	1.454	930	0	930	930	923	71	930
12-14	77.3	1.613	930	0	930	930	912	74	930
15-17	76.3	2.025	930	0	930	930	883	36	930
18-20	75.3	1.715	930	0	930	930	861	9	930
21-23	74.6	1.583	930	0	930	930	817	0	930
ALL HOURS	75.5	2.083	7440	0	7440	7440	6769	196	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
LSI IC UIC: + 5      MONTH: SEP

HOURS	MEAN	STANDARD	DEVIATION	OR	TOTAL	LE 32	GE 50	GE 67	GE 73	GE 80	DEG F	TOTAL
LSI												HOURS
00-02	72.8	2.674	900	0	900	877	571	0	900	900		
03-05	72.3	2.659	900	0	900	871	509	1	900	900		
06-08	73.2	2.954	900	0	900	869	600	2	900	900		
09-11	76.1	2.436	900	0	900	896	812	21	900	900		
12-14	75.9	2.344	900	0	900	897	814	23	900	900		
15-17	75.2	2.416	900	0	900	897	785	21	900	900		
18-20	73.9	2.428	900	0	900	895	696	1	900	900		
21-23	73.1	2.562	900	0	900	892	599	0	900	900		
ALL HOURS	74.1	2.963	7200	0	7200	7095	5386	69	7200	7200		

MONTH: OCT

00-02	66.7	5.557	930	0	925	556	118	0	930	930		
03-05	65.9	5.815	930	0	922	505	66	0	930	930		
06-08	66.5	6.011	930	0	922	546	126	0	930	930		
09-11	70.6	5.070	930	0	930	742	404	0	930	930		
12-14	71.0	4.520	930	0	930	768	422	0	930	930		
15-17	70.5	4.440	930	0	930	751	373	0	930	930		
18-20	68.7	4.949	929	0	929	662	235	0	928	928		
21-23	67.4	5.218	927	0	926	582	152	0	927	927		
ALL HOURS	68.4	5.588	7435	0	7414	5112	1896	0	7435	7435		

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: NOV

HOURS	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
LST										
00-02	61.6	7.881	900	0	807	289	15	0	0	900
03-05	60.7	8.330	900	0	780	266	10	0	0	900
06-08	60.7	8.626	900	0	776	271	22	0	0	900
09-11	65.5	7.867	900	0	855	520	145	0	0	900
12-14	66.8	6.944	900	0	871	587	186	0	0	900
15-17	66.1	6.850	900	0	873	545	134	0	0	900
18-20	63.9	7.317	900	0	851	423	51	0	0	900
21-23	62.4	7.592	900	0	833	333	19	0	0	900
ALL HOURS	63.5	3.031	7200	0	6646	3234	582	0	0	7200

HOURS	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	55.8	9.884	930	23	681	113	0	0	0	930
03-05	54.8	10.170	930	25	662	97	0	0	0	930
06-08	54.4	10.519	930	25	653	97	3	0	0	930
09-11	59.1	10.375	930	14	762	251	42	0	0	930
12-14	61.6	9.279	930	12	624	330	63	0	0	930
15-17	61.3	8.912	930	3	930	285	52	0	0	930
18-20	58.8	9.268	930	12	773	203	9	0	0	930
21-23	57.1	9.651	930	13	725	149	4	0	0	930
ALL HOURS	57.9	10.106	7440	132	5910	1535	173	0	0	7440

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

MET BULB TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050	STATION NAME: ORLANDO IAP FLORIDA		PERIOD OF RECORD: NOV 78 - OCT 88						
	LST	TO	UIC:	+	5	MONTH:	ALL		
HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	63.7	10.493	10959	52	3671	5405	2709	0	10959
03-05	63.0	10.852	10959	78	9514	5191	2359	1	10959
06-08	63.6	11.471	10959	113	9492	5441	3061	13	10959
09-11	67.3	10.539	10959	47	10112	6840	4431	181	10959
12-14	69.3	9.324	10959	25	10400	7203	4552	208	10959
15-17	67.8	9.959	10959	10	10427	7021	4232	105	10959
18-20	66.1	9.550	10957	31	10131	6311	3526	31	10957
21-23	64.7	10.043	10956	54	9878	5741	2993	5	10956
ALL HOURS	65.6	10.371	37667	480	79645	49143	27863	544	87667



OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

NEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: UKLANDU IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      MONTH: JAN

HOURS      MEAN      STANDARD      TOTAL      MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F      TOTAL  
 LST      DEVIATION      OBS      HOURS      LE 27 GE 37 LE 55 GE 65      HOURS

00-02	47.5	11.970	930	51	776	649	53	930
03-05	46.5	12.693	930	58	723	659	60	930
06-08	46.1	12.934	930	64	698	682	66	930
09-11	48.4	13.566	930	71	738	597	106	930
12-14	47.9	14.147	930	97	737	599	88	930
15-17	47.0	14.210	930	113	719	615	62	930
18-20	47.5	13.000	930	79	744	626	68	930
21-23	47.9	11.785	930	46	784	637	58	930

ALL HOURS      47.3      13.026      7440      531      8919      5074      561      7460

MONTH: FEB  
 00-02      51.2      10.960      849      22      744      498      71      849

03-05      50.7      11.293      849      29      736      510      67      849

06-08      50.7      11.747      849      40      727      504      83      849

09-11      52.0      12.998      849      55      729      424      124      849

12-14      50.8      13.289      849      60      713      461      97      849

15-17      49.7      13.587      849      73      686      471      78      849

18-20      50.7      12.231      849      49      717      459      65      849

21-23      51.5      10.853      849      15      736      495      70      849

ALL HOURS      50.9      12.191      6792      343      5738      3812      655      6792

DEM POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: MAR

HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL
LST	DEVIATION	DEGS	HOURS	LE 27 GE 37 LE 55 GE 65	HOURS
00-02	55.3	9.475	930	7 858 413	155 930
03-05	54.0	9.779	930	11 897 430	142 930
06-08	54.5	10.036	930	15 868 409	139 930
09-11	55.3	11.095	930	21 895 388	204 930
12-14	53.6	11.017	930	23 854 461	146 930
15-17	52.5	11.082	930	27 833 487	92 930
18-20	53.8	10.592	930	23 855 459	128 930
21-23	55.3	9.487	930	9 887 417	150 930
ALL HOURS	54.4	10.394	7440	135 8933 3464	1156 7440

MONTH: APR

00-02	58.7	7.357	900	0 895 272	224 900
03-05	58.3	7.479	900	0 855 279	197 900
06-08	59.0	8.835	900	3 885 252	261 900
09-11	58.4	9.320	900	7 870 294	288 900
12-14	56.3	9.249	900	0 866 362	190 900
15-17	55.6	9.490	900	0 845 399	181 900
18-20	56.6	9.232	900	1 872 358	226 900
21-23	58.6	7.810	900	0 894 291	253 900
ALL HOURS	57.7	8.638	7200	11 7026 2513	1820 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

NEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: MAY

HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	TEMPERATURES DEG F	TOTAL HOURS
LST				LE 27 GE 37	LE 55 GE 65	
00-02	64.8	4.920	930	0	51	930
03-05	64.6	5.031	930	0	54	930
06-08	65.8	5.234	930	0	30	930
09-11	65.0	6.148	930	0	76	930
12-14	63.0	6.323	930	0	100	930
15-17	62.6	6.337	930	0	100	930
18-20	63.5	6.116	930	0	100	930
21-23	64.6	5.274	930	0	71	930
ALL HOURS	64.2	5.946	7440	0	646	7440

HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	TEMPERATURES DEG F	TOTAL HOURS
LST				LE 27 GE 37	LE 55 GE 65	
00-02	71.0	3.166	900	0	4	900
03-05	70.8	2.953	900	0	3	900
06-08	72.1	2.995	900	0	1	900
09-11	71.9	3.412	900	0	3	900
12-14	70.2	3.830	900	0	7	900
15-17	69.9	4.145	900	0	6	900
18-20	70.6	3.863	900	0	7	900
21-23	71.1	3.198	900	0	1	900
ALL HOURS	70.9	3.506	7200	0	32	7200

MONTHS: JUN

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
LSI TO UTC: + 5      MONTH: JUL

HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL
LSY	DEVIATION	DEVS	OBS	LE 27 GE 37 LE 55 GE 65	HOURS
00-02	72.7	1.911	930	0	930
03-05	72.4	1.990	930	0	929
06-08	73.5	2.134	930	0	929
09-11	73.9	2.590	930	0	923
12-14	72.2	2.786	930	1	918
15-17	71.7	2.797	930	2	919
18-20	72.1	2.514	930	0	924
21-23	72.6	2.100	930	0	929
ALL HOURS	72.6	2.574	7440	3	7401

MONTH: AUG

00-02	73.3	1.824	930	0	930
03-05	73.1	1.795	930	0	930
06-08	73.9	1.995	930	0	930
09-11	74.3	1.992	930	0	930
12-14	72.6	2.202	930	0	928
15-17	72.2	2.715	930	0	913
18-20	72.9	2.302	930	0	927
21-23	73.2	1.986	930	0	930
ALL HOURS	73.2	2.321	7440	0	7418

7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: SEP

HOURS	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	71.8	2.945	900	0	900	4	877		900
03-05	71.6	2.843	900	0	900	4	880		900
06-08	72.3	3.166	900	0	900	3	882		900
09-11	72.9	3.209	900	0	900	2	366		900
12-14	71.0	3.199	900	0	900	1	865		900
15-17	70.9	3.412	900	0	400	3	855		900
18-20	71.4	3.175	900	0	900	3	865		900
21-23	71.8	2.934	900	0	900	2	877		900

ALL HOURS 71.7 3.266 7200 0 7200 22 6987 7200

MONTH: OCT  
00-02 65.4 6.339 930 0 930 90 612 930

03-05 64.9 6.520 930 0 930 104 590 930

06-08 65.2 6.927 930 0 930 100 607 930

09-11 66.4 6.845 930 0 930 68 648 930

12-14 64.7 6.730 930 0 929 96 563 930

15-17 64.5 6.689 930 0 928 99 539 930

18-20 65.2 6.445 929 0 924 81 580 930

21-23 65.5 6.064 927 0 927 76 605 930

ALL HOURS 65.2 6.644 7435 0 7430 714 4744 7435

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050		STATION NAME: ORLANDO IAP FLORIDA		PERIOD OF RECORD: NOV 78 - OCT 88	
LSI TO UIC: + 5		MONTH: NOV		MONTH: DEC	
HOURS	MEAN	STANDARD DEVIATION	TOTAL HRS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL HOURS
LST				LE 27 GE 37 LE 55 GE 65	
00-02	60.2	8.913	900	0 890 223 359	900
03-05	59.6	9.345	900	3 884 244 347	900
06-08	59.5	9.564	900	1 882 252 345	900
09-11	61.5	10.128	900	2 869 204 474	900
12-14	60.3	10.124	900	1 955 218 378	900
15-17	59.7	10.350	900	10 851 231 375	900
18-20	60.5	9.271	900	0 977 216 389	900
21-23	60.6	8.760	900	0 892 222 392	900
ALL HOURS	60.2	9.608	7200	17 7000 1610 3059	7200
00-02	54.0	11.597	930	25 847 417 168	930
03-05	53.2	11.902	930	28 834 451 150	930
06-08	52.8	12.220	930	31 825 460 153	930
09-11	55.2	12.976	930	39 832 383 260	930
12-14	54.6	12.764	930	43 829 386 229	930
15-17	54.1	12.663	930	42 823 400 208	930
18-20	54.7	11.684	930	26 845 402 205	930
21-23	54.6	11.509	930	29 857 405 197	930
ALL HOURS	54.1	12.232	7440	262 6692 3304 1560	7440

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050		STATION NAME: ORLANDO IAP FLORIDA		PERIOD OF RECORD: NOV 78 - OCT 88				
LST TO UTC: + 5		MONTH: ALL						
HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES	DEG F	TOTAL		
LST	DEVIATION	DEVS	OBS	LE 27	GE 37	LE 55	GE 65	HOURS
00-02	62.2	11.572	10959	105	10553	2627	5787	10959
03-05	61.8	11.888	10959	129	10464	2748	5695	10959
06-08	62.2	12.434	10959	154	10406	2701	5873	10959
09-11	63.0	12.476	10959	195	10423	2439	5250	10959
12-14	61.5	12.336	10959	224	10373	2712	5651	10959
15-17	60.9	12.587	10959	267	10296	2849	5423	10959
18-20	61.7	12.031	10957	178	10427	2711	5682	10957
21-23	62.3	11.428	10956	77	10566	2607	5858	10956
ALL								
HOURS	61.9	12.115	87667	1349	83508	21394	49219	87667

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JAN

HOURS	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	99.6	98.2	94.8	95.8	70.6	41.3	83.9	930
03-05	100.0	100.0	100.0	99.4	97.7	93.9	97.0	77.6	54.7	86.1	930
06-08	100.0	100.0	100.0	99.7	97.7	93.8	96.3	77.0	54.5	86.3	930
09-11	100.0	99.9	99.2	95.4	86.7	74.4	57.4	40.5	21.5	72.1	930
12-14	100.0	99.4	91.3	80.0	61.4	36.9	21.8	12.3	6.2	55.1	930
15-17	100.0	97.0	87.0	71.7	54.2	33.0	21.4	12.3	5.6	52.6	930
18-20	100.0	99.6	96.9	89.7	80.5	68.6	45.3	24.7	11.3	66.2	930
21-23	100.0	100.0	100.0	99.1	97.0	89.9	76.8	54.3	23.5	78.5	930
ALL HOURS	100.0	99.4	96.3	91.8	84.2	73.2	60.2	46.2	27.3	78.5	7440

MONTH: FEB

00-02	100.0	100.0	100.0	100.0	98.5	94.9	89.0	76.4	49.0	85.4	849
03-05	100.0	100.0	100.0	99.8	98.2	95.5	90.6	82.8	52.4	88.3	849
06-08	100.0	100.0	100.0	99.5	97.3	95.1	91.3	84.1	64.5	84.2	849
09-11	100.0	100.0	96.8	92.7	86.3	75.0	57.4	39.8	23.1	71.5	849
12-14	100.0	98.8	89.3	81.0	60.1	34.9	18.3	11.5	6.1	54.4	849
15-17	100.0	95.5	84.7	72.9	49.7	28.9	18.6	11.7	6.4	51.3	849
18-20	100.0	99.9	95.9	89.0	78.9	62.4	41.8	22.7	11.0	64.5	849
21-23	100.0	100.0	100.0	99.6	96.5	90.1	77.1	55.1	25.7	78.6	849
ALL HOURS	100.0	99.3	95.3	91.8	83.2	72.1	60.5	48.0	31.0	73.6	6792



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: MAR

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO

HOURS	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	99.6	99.2	97.5	92.5	79.2	45.5	85.6	930
03-05	100.0	100.0	99.9	99.6	99.0	97.6	94.4	86.9	65.5	89.1	930
06-08	100.0	100.0	100.0	99.5	98.5	96.3	92.8	83.1	61.1	88.3	930
09-11	100.0	99.9	98.2	93.2	84.0	64.9	43.0	23.9	9.5	66.1	930
12-14	100.0	99.4	93.4	79.1	47.8	23.9	11.3	7.4	4.7	51.1	930
15-17	100.0	99.4	89.0	70.8	37.6	17.5	10.5	7.5	5.3	48.3	930
18-20	100.0	100.0	97.2	90.6	76.1	54.5	29.0	13.0	7.8	61.3	930
21-23	100.0	100.0	100.0	99.6	97.7	93.0	76.1	45.8	17.5	77.4	930

ALL HOURS 100.0 99.8 97.2 91.5 80.0 68.2 56.2 43.4 27.1 77.4 74.0

MONTH: APR

00-02	100.0	100.0	100.0	99.8	99.2	98.0	93.0	75.9	38.3	84.5	900
03-05	100.0	100.0	100.0	100.0	99.3	98.1	96.4	90.9	53.7	89.1	900
06-08	100.0	100.0	100.0	99.8	98.0	96.0	91.0	73.6	52.8	86.5	900
09-11	100.0	100.0	97.6	89.4	75.9	51.6	26.3	10.0	4.2	60.0	900
12-14	100.0	99.3	90.4	69.2	38.4	16.8	7.7	4.4	2.2	47.4	900
15-17	100.0	98.8	87.4	59.9	33.4	16.9	9.0	5.9	2.9	45.9	900
18-20	100.0	99.6	95.8	84.2	65.4	45.7	25.2	11.3	5.6	57.7	900
21-23	100.0	100.0	100.0	99.8	96.3	87.7	80.4	36.4	14.4	74.6	900

ALL HOURS 100.0 99.7 96.4 87.6 75.8 63.8 52.3 39.2 23.0 74.6 72.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5 MONTH: MAY

HOURS	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO					TOTAL OBS					
	10%	20%	30%	40%	50%		60%	70%	80%	90%	MEAN
00-02	100.0	100.0	100.0	100.0	100.0	99.5	97.2	85.2	49.8	87.4	930
03-05	100.0	100.0	100.0	100.0	100.0	99.0	99.6	95.7	76.6	91.7	930
06-08	100.0	100.0	100.0	99.9	99.7	98.3	93.2	78.6	53.2	87.2	930
09-11	100.0	100.0	99.8	96.9	81.9	55.5	27.7	9.0	3.7	62.0	930
12-14	100.0	100.0	98.0	80.3	45.4	17.7	9.5	5.3	2.4	50.4	930
15-17	100.0	100.0	96.3	75.7	43.5	21.4	13.9	8.8	4.7	51.1	930
18-20	100.0	100.0	99.2	94.0	81.7	58.0	34.4	17.8	8.4	64.0	930
21-23	100.0	100.0	100.0	99.9	98.7	95.3	79.7	50.9	21.4	79.0	930
ALL HOURS	100.0	100.0	99.2	93.3	81.4	68.2	57.0	43.9	27.5	79.0	7440

MONTH: JUN

00-02	100.0	100.0	100.0	100.0	100.0	99.9	99.8	94.3	64.1	90.1	900
03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.8	98.7	87.0	93.3	900
06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.3	87.6	61.3	89.5	900
09-11	100.0	100.0	100.0	100.0	97.1	76.2	45.0	12.0	3.0	67.9	900
12-14	100.0	100.0	99.9	97.4	74.6	31.8	14.5	8.0	3.1	57.6	900
15-17	100.0	100.0	99.9	93.6	72.2	44.3	28.1	14.1	6.6	60.2	900
18-20	100.0	100.0	100.0	98.6	93.7	80.1	58.5	31.6	14.2	72.5	900
21-23	100.0	100.0	100.0	100.0	100.0	99.0	93.4	70.2	32.8	64.1	900
ALL HOURS	100.0	100.0	100.0	98.7	92.2	78.9	67.2	52.1	34.0	84.1	7200

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: JUL

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	99.8	92.8	62.2	90.3	930
03-05	100.0	100.0	100.0	100.0	100.0	98.5	78.4	92.8	930
06-08	100.0	100.0	100.0	100.0	99.5	89.6	56.2	89.5	930
09-11	100.0	100.0	99.9	98.9	83.8	49.4	11.7	1.9	69.0
12-14	100.0	100.0	99.2	84.5	34.9	15.2	7.2	3.1	59.1
15-17	100.0	100.0	98.9	79.7	51.4	33.5	20.0	8.6	63.8
18-20	100.0	100.0	99.9	97.0	85.8	66.5	39.7	17.6	75.4
21-23	100.0	100.0	100.0	99.4	95.5	74.0	38.5	85.3	930

ALL HOURS 100.0 100.0 99.7 95.0 81.9 69.9 54.2 33.3 85.3 7440

MONTH: AUG

00-02	100.0	100.0	100.0	100.0	100.0	94.8	69.6	90.6	930
03-05	100.0	100.0	100.0	100.0	100.0	98.6	83.9	92.9	930
06-08	100.0	100.0	100.0	100.0	99.9	93.1	62.3	90.3	930
09-11	100.0	100.0	100.0	99.8	88.7	51.9	13.6	3.0	70.0
12-14	100.0	100.0	99.8	89.1	39.0	13.5	9.5	3.8	60.6
15-17	100.0	100.0	98.5	86.2	57.3	37.6	18.9	7.6	65.2
18-20	100.0	100.0	99.9	99.2	93.5	75.8	40.1	17.3	77.3
21-23	100.0	100.0	100.0	100.0	93.0	61.7	30.6	86.2	930

ALL HOURS 100.0 100.0 99.8 96.8 84.8 72.7 56.3 35.6 86.2 7440

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: OKLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 MONTH: SEP

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO

HOURS	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	100.0	99.9	99.6	97.0	68.1	90.7	900
03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.4	83.4	92.6	900
06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.8	94.4	67.0	90.7	900
09-11	100.0	100.0	100.0	100.0	99.3	56.3	59.2	18.8	4.7	71.2	900
12-14	100.0	100.0	100.0	99.9	88.1	39.0	17.7	9.3	3.6	60.3	900
15-17	100.0	100.0	100.0	99.6	87.1	52.6	33.3	17.6	7.7	64.4	900
18-20	100.0	100.0	100.0	100.0	99.3	93.9	74.3	41.7	17.1	77.6	900
21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.0	82.2	38.7	86.7	900

ALL HOURS 100.0 100.0 100.0 99.9 96.7 84.9 72.5 57.4 36.3 86.7 7200

MONTH: OCT

00-02	100.0	100.0	100.0	100.0	99.6	98.0	98.2	90.4	61.7	88.8	930
03-05	100.0	100.0	100.0	100.0	99.5	98.2	98.0	93.2	76.8	91.0	930
06-08	100.0	100.0	100.0	100.0	99.6	96.0	96.3	87.0	65.4	89.2	930
09-11	100.0	100.0	99.9	98.7	93.0	74.1	45.9	17.7	5.3	63.0	930
12-14	100.0	99.9	99.1	93.8	60.4	30.0	11.5	4.6	2.0	55.7	930
15-17	100.0	100.0	99.1	93.2	72.3	36.0	18.2	7.6	2.6	57.8	930
18-20	100.0	100.0	99.9	99.1	94.8	80.0	65.3	29.2	7.0	73.3	928
21-23	100.0	100.0	100.0	100.0	99.6	99.4	74.8	73.1	32.4	84.0	927

ALL HOURS 100.0 100.0 99.8 98.1 91.2 78.4 66.0 50.2 31.6 84.0 7435

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050      STATION NAME: ORLANDO IAP FLORIDA      PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5      MONTH: NOV

HOURS	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO					TOTAL OBS					
	10%	20%	30%	40%	50%		60%	70%	80%	90%	MEAN
LST	100.0	100.0	100.0	100.0	100.0	98.6	96.3	90.2	66.6	89.5	900
00-02	100.0	100.0	100.0	99.8	99.6	99.6	98.6	90.2	66.6	89.5	900
03-05	100.0	100.0	100.0	99.9	99.7	99.0	95.4	70.4	74.1	91.0	900
06-08	100.0	100.0	100.0	100.0	100.0	99.3	96.2	89.4	72.6	90.9	900
09-11	100.0	100.0	99.6	97.7	92.8	79.3	55.0	34.7	17.0	72.3	900
12-14	100.0	100.0	97.3	91.4	74.3	39.9	19.8	7.6	2.9	57.9	900
15-17	100.0	99.7	96.2	90.3	73.1	46.6	21.2	10.8	6.1	59.1	900
18-20	100.0	100.0	100.0	99.0	95.9	39.7	22.7	38.2	14.7	75.5	900
21-23	100.0	100.0	100.0	100.0	99.6	98.7	94.9	79.6	44.8	85.7	900
ALL HOURS	100.0	100.0	99.1	97.3	91.9	81.4	67.1	52.1	37.3	85.7	7200

MONTH: DEC

00-02	100.0	100.0	99.9	99.2	98.2	95.8	90.0	81.4	59.7	87.3	930
03-05	100.0	100.0	100.0	100.0	98.4	95.7	91.2	84.2	64.6	88.8	930
06-08	100.0	100.0	100.0	100.0	99.1	95.8	39.7	82.8	64.7	88.8	930
09-11	100.0	100.0	99.2	97.3	93.4	81.7	64.6	42.2	23.5	74.8	930
12-14	100.0	99.4	95.7	89.6	76.0	44.3	11.5	7.5	3.5	59.2	930
15-17	100.0	99.8	94.8	88.2	72.8	43.9	19.6	9.7	4.7	57.7	930
18-20	100.0	100.0	99.5	97.4	93.7	85.7	66.0	32.6	11.2	73.1	930
21-23	100.0	100.0	99.9	99.4	97.6	94.1	83.7	70.4	33.7	82.9	930
ALL HOURS	100.0	99.9	98.5	96.4	91.2	79.7	66.1	51.3	33.1	82.9	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UIC: + 5 MONTH: ALL

HOURS	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	99.8	99.4	98.2	95.1	85.7	56.3	87.9	10959
03-05	100.0	100.0	100.0	99.9	99.3	98.3	96.0	91.4	72.6	90.6	10959
06-08	100.0	100.0	100.0	99.9	99.2	97.7	94.6	85.4	61.3	89.9	10959
09-11	100.0	100.0	99.2	96.8	90.8	74.5	43.4	22.4	10.0	63.7	10959
12-14	100.0	99.6	95.2	88.4	67.5	32.4	15.4	7.0	3.6	55.6	10959
15-17	100.0	99.2	94.6	84.5	63.6	37.0	22.1	12.1	5.7	56.5	10959
18-20	100.0	99.9	98.7	95.2	88.3	75.7	54.7	28.5	11.9	69.9	10957
21-23	100.0	100.0	100.0	99.7	98.6	95.5	87.0	64.5	30.2	81.9	10956
ALL HOURS	100.0	99.5	95.5	85.5	68.3	46.2	24.2	14.8	31.4	75.0	87667

pppppppp	AAAAA	qqqqqqqq	TTTTTTTTT	FFFFFFFFF
ppppppppp	AAAAAAAA	qqqqqqqqq	TTTTTTTTT	FFFFFFFFF
pp	AA	qq	TT	FF
pp	AA	qq	TT	FF
ppppppppp	AA	qqqqqqqqq	TT	FFFFFFF
ppppppppp	AAAAAAAAA	qqqqqqqqq	TT	FFFFFFF
pp	AAAAAAAAA	qq	TT	FF
pp	AA	qq	TT	FF
pp	AA	qq	TT	FF
pp	AA	qq	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS. TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG). TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG). TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).



OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM AIRCRAFT OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	1020.1	1019.2	1017.9	1016.8	1016.3	1016.4	1016.4	1017.5	1016.6	1017.5	1018.7	1020.6	1018.0
	SD	5.109	5.082	5.932	4.072	2.754	2.589	2.160	2.481	3.103	3.142	3.710	4.101	4.077
	TOT OBS	310	283	310	300	309	300	310	310	300	310	300	310	3652
0400	MEAN	1019.6	1019.5	1017.1	1016.1	1015.7	1015.2	1017.7	1016.7	1015.9	1016.8	1018.2	1020.2	1017.4
	SD	5.193	5.101	5.775	3.996	2.932	2.203	2.141	2.494	3.021	3.213	3.670	4.128	4.104
	TOT OBS	310	283	310	300	307	309	310	310	300	309	300	310	3651
0700	MEAN	1020.2	1019.4	1019.1	1017.3	1016.3	1017.2	1018.7	1017.7	1015.8	1017.8	1019.0	1020.8	1018.3
	SD	5.341	5.153	5.831	4.095	2.949	2.690	2.130	2.462	2.976	3.223	3.696	4.182	4.096
	TOT OBS	310	283	310	300	310	306	310	310	300	310	300	310	3653
1000	MEAN	1021.7	1020.5	1019.3	1018.1	1017.4	1017.6	1019.4	1018.4	1017.7	1018.8	1020.2	1022.3	1019.3
	SD	5.323	5.192	5.844	4.167	3.061	2.891	2.202	2.495	2.975	3.291	3.804	4.180	4.216
	TOT OBS	310	283	310	300	310	300	310	304	300	310	300	309	3650
1300	MEAN	1019.9	1019.3	1018.1	1016.8	1016.4	1016.9	1018.5	1017.5	1015.6	1017.2	1018.4	1020.4	1018.0
	SD	5.227	5.158	5.821	4.235	3.114	2.365	2.175	2.535	2.991	3.342	3.838	4.287	4.140
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1600	MEAN	1018.6	1017.7	1016.4	1015.2	1015.0	1015.7	1017.4	1016.2	1015.3	1016.2	1017.4	1019.3	1016.7
	SD	5.047	5.207	5.747	4.275	3.165	2.608	2.223	2.592	3.041	3.397	3.852	4.306	4.164
	TOT OBS	310	282	310	294	303	299	310	310	299	310	300	309	3647
1900	MEAN	1019.6	1018.5	1017.1	1015.7	1015.2	1015.1	1017.8	1016.7	1015.9	1017.1	1018.4	1020.3	1017.4
	SD	4.977	5.232	5.793	4.311	3.072	2.690	2.228	2.514	3.160	3.379	3.779	4.239	4.203
	TOT OBS	310	283	310	300	310	300	310	310	300	309	300	310	3652
2200	MEAN	1020.6	1019.5	1018.3	1017.2	1016.9	1017.4	1019.5	1017.9	1017.2	1018.2	1019.2	1021.1	1018.5
	SD	4.950	5.160	5.817	4.174	2.970	2.366	2.141	2.421	3.191	3.253	3.763	4.222	4.095
	TOT OBS	310	282	310	299	310	300	310	309	300	309	300	310	3649
ALL HOURS	MEAN	1020.0	1019.1	1017.8	1016.7	1016.3	1016.8	1018.3	1017.3	1016.5	1017.4	1018.7	1020.6	1018.0
	SD	5.211	5.225	5.871	4.257	3.113	2.732	2.261	2.591	3.146	3.366	3.842	4.281	4.205
	TOT OBS	2480	2262	2480	2398	2477	3399	2480	2477	2399	2477	2400	2478	29207

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
LST TO UTC: + 5

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.12	30.10	30.06	30.03	30.01	30.03	30.07	30.05	30.02	30.05	30.08	30.14	30.06
	SD	.151	.150	.172	.120	.093	.077	.064	.073	.092	.093	.110	.121	.121
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
0400	MEAN	30.11	30.08	30.03	30.01	29.99	30.01	30.05	30.02	30.00	30.03	30.07	30.13	30.04
	SD	.153	.151	.170	.116	.097	.077	.064	.073	.089	.095	.109	.122	.121
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
0700	MEAN	30.13	30.10	30.07	30.04	30.03	30.04	30.08	30.05	30.03	30.06	30.09	30.15	30.07
	SD	.158	.152	.172	.121	.087	.090	.063	.073	.088	.095	.109	.124	.121
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1000	MEAN	30.17	30.14	30.10	30.07	30.04	30.06	30.10	30.08	30.05	30.08	30.12	30.19	30.10
	SD	.158	.153	.173	.123	.089	.079	.065	.074	.088	.097	.113	.124	.125
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1300	MEAN	30.12	30.10	30.06	30.03	30.01	30.03	30.04	30.05	30.02	30.04	30.07	30.13	30.06
	SD	.154	.152	.172	.125	.092	.079	.064	.075	.088	.099	.114	.126	.122
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1600	MEAN	30.08	30.05	30.01	29.98	29.97	29.99	30.04	30.01	29.98	30.01	30.04	30.10	30.02
	SD	.149	.153	.170	.126	.093	.080	.066	.077	.089	.100	.114	.127	.123
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1900	MEAN	30.11	30.09	30.03	29.99	29.99	30.01	30.06	30.02	30.00	30.04	30.07	30.13	30.04
	SD	.147	.154	.171	.127	.091	.079	.066	.074	.094	.100	.112	.125	.124
	TOT OBS	310	283	310	300	310	300	310	310	300	309	300	310	3652
2200	MEAN	30.14	30.11	30.07	30.04	30.03	30.04	30.09	30.06	30.04	30.07	30.10	30.15	30.08
	SD	.146	.152	.172	.123	.085	.076	.063	.073	.094	.096	.111	.125	.121
	TOT OBS	310	283	310	300	310	300	310	310	300	309	300	310	3652
ALL HOURS	MEAN	30.12	30.09	30.06	30.02	30.01	30.02	30.07	30.04	30.02	30.05	30.08	30.14	30.06
	SD	.154	.154	.173	.126	.092	.081	.067	.077	.093	.099	.113	.126	.124
	TOT OBS	2480	2264	2480	2400	2400	2400	2480	2480	2400	2478	2400	2480	29222

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.01	29.98	29.94	29.91	29.90	29.91	29.96	29.93	29.90	29.93	29.97	30.02	29.95
	SD	.151	.151	.172	.120	.083	.077	.064	.073	.092	.092	.110	.121	.121
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
0400	MEAN	29.99	29.96	29.91	29.89	29.87	29.89	29.93	29.90	29.88	29.91	29.95	30.01	29.92
	SD	.153	.150	.170	.118	.096	.077	.063	.073	.089	.094	.109	.121	.121
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
0700	MEAN	30.01	29.99	29.95	29.92	29.91	29.92	29.97	29.94	29.91	29.94	29.98	30.03	29.95
	SD	.158	.152	.172	.121	.088	.080	.063	.073	.088	.096	.109	.123	.121
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1000	MEAN	30.05	30.02	29.96	29.95	29.93	29.94	29.98	29.96	29.93	29.97	30.00	30.07	29.98
	SD	.157	.153	.172	.122	.089	.079	.065	.074	.088	.097	.113	.124	.124
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1300	MEAN	30.00	29.99	29.95	29.91	29.90	29.91	29.96	29.93	29.90	29.92	29.96	30.02	29.95
	SD	.155	.152	.172	.125	.092	.079	.064	.075	.088	.099	.114	.126	.122
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1600	MEAN	29.96	29.93	29.89	29.86	29.85	29.87	29.92	29.89	29.86	29.89	29.92	29.98	29.90
	SD	.149	.153	.170	.126	.094	.079	.065	.076	.089	.100	.114	.127	.123
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1900	MEAN	29.99	29.96	29.92	29.88	29.87	29.89	29.94	29.91	29.88	29.92	29.96	30.01	29.93
	SD	.147	.154	.171	.128	.091	.079	.067	.074	.094	.099	.112	.125	.124
	TOT OBS	310	283	310	300	310	300	310	310	300	309	300	310	3652
2200	MEAN	30.02	29.99	29.95	29.92	29.91	29.92	29.97	29.94	29.92	29.95	29.98	30.03	29.96
	SD	.146	.152	.172	.122	.088	.075	.063	.073	.094	.096	.111	.124	.121
	TOT OBS	310	283	310	300	310	300	310	310	300	309	300	310	3652
ALL HOURS	MEAN	30.00	29.98	29.94	29.90	29.89	29.91	29.95	29.92	29.90	29.93	29.96	30.02	29.94
	SD	.154	.154	.173	.126	.092	.081	.067	.077	.093	.099	.114	.126	.124
	TOT OBS	2480	2264	2480	2400	2480	2400	2480	2480	2400	2478	2400	2480	29222

pppppppp	AAAAAA	RRRRRRR	TTTTTTTT	GGGGGG
pppppppp	AAAAAAA	RRRRRRR	TTTTTTTT	GGGGGGG
pp	AA	R	T	GG
pp	AA	RR	TT	GG
pppppppp	AA	RRRRRRR	TT	GG
pppppppp	AAAAAAA	PPPPRRR	TT	GG
pp	AAAAAAA	RR	TT	GGGGG
pp	AA	RR	TT	GG
pp	AA	RR	TT	GGGGGGG
pp	AA	RR	TT	GGGGGG

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: 050-230

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 80  
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)	GF15 GE25 OBS	GF15 GE25 OBS	GF15 GE25 OBS	GF15 GE25 OBS
CATEGORY A	7.5 1.4 930	8.5 .4 930	9.9 .4 930	19.8 2.3 930
CATEGORY B	7.6 1.8 930	8.5 .3 .1 930	10.1 1.2 930	20.3 3.9 930

TIME (LST)	1200 - 1400	1500 - 1700	1800 - 2000	2100 - 2300
SPEED (KTS)	GF15 GE25 OBS	GF15 GE25 OBS	GF15 GE25 OBS	GF15 GE25 OBS
CATEGORY A	24.5 3.2 930	19.2 2.9 930	7.8 .9 930	7.2 .9 930
CATEGORY B	26.1 5.4 .1 930	20.4 4.4 .3 930	8.5 1.5 930	7.3 1.1 .1 930

TIME (LST)	0600 - 2000	ALL HOURS
SPEED KTS	GF10 GF15 GF25 OBS	GF10 GF15 GE25 OBS
CATEGORY A	16.3 1.9 4650	13.1 1.5 7440
CATEGORY B	17.1 3.3 .1 4650	13.6 2.5 .1 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
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)	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	7.2 .8 849	9.9 1.2 849	9.8 .8 849	22.3 3.8 849
CATEGORY B	7.8 1.3 849	10.4 1.8 .1 849	10.0 1.8 849	23.3 6.4 .1 849

TIME (LST)	1200 - 1400	1500 - 1700	1800 - 2000	2100 - 2300
SPEED (KTS)	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	27.4 4.4 849	20.4 3.3 849	8.7 .7 849	5.4 .6 849
CATEGORY B	30.4 8.7 .2 849	22.3 5.3 .1 849	9.2 1.2 849	5.7 .7 849

TIME (LST)	0600 - 2000	ALL HOURS
SPEED KTS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	17.7 2.6 4245	13.9 1.9 6792
CATEGORY B	19.0 4.8 .1 4245	14.9 3.5 .1 6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP, FLORIDA  
LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
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)	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	8.2 1.4 930	8.1 .9 930	9.8 1.6 930	26.7 5.3 930
CATEGORY B	8.4 1.8 930	8.5 1.9 930	9.9 2.7 930	27.5 8.2 .4 930

TIME (LST)	1200 - 1400	1500 - 1700	1800 - 2000	2100 - 2300
SPEED (KTS)	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	29.2 5.4 .1 930	24.9 4.4 930	14.5 1.3 930	7.7 1.2 930
CATEGORY B	31.0 10.1 .8 930	26.6 7.2 .4 930	15.2 3.0 .2 930	8.4 2.3 .3 930

TIME (LST)	0600 - 2000	ALL HOURS
SPEED KTS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	21.0 3.6 .0 4650	16.1 2.7 .0 7440
CATEGORY B	22.0 6.2 .4 4650	16.9 4.7 .3 7440



OPERATING LOCATION "A" USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88

LST TO UTC: + 5

MONTH: APR

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

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200	0300 - 0500	0600 - 0800	0900 - 1100
SPEED (KTS)	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	3.1 .6 900	1.8 .3 900	4.8 .3 900	23.3 3.3 900
CATEGORY B	3.1 .9 900	1.9 .4 900	4.9 .7 900	24.1 5.7 .2 900

TIME (LST)	1200 - 1400	1500 - 1700	1800 - 2000	2100 - 2300
SPEED (KTS)	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	24.1 3.1 900	20.4 1.4 .1 900	9.6 .2 900	3.9 .6 900
CATEGORY B	25.7 5.7 .2 900	22.9 4.0 .3 900	10.3 .7 900	4.4 1.1 900

TIME (LST) 0600 - 2000 ALL HOURS

SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	15.4	1.7	.0	4500	11.4	1.2	.0	7200
CATEGORY B	17.6	3.3	.2	4500	12.2	2.4	.1	7200

OPERATING LOCATION: USAFETAC, ASHEVILLE NC  
 PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS  
 MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050  
 STATION NAME: ORLANDO IAP FLORIDA  
 LST TO UTC: + 5  
 PERIOD OF RECORD: NOV 78 - OCT 88  
 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)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.9			930	1.3			930	2.6			930
CATEGORY B	.9	.1		930	1.3			930	2.7	.1		930

TIME (LST)	1200 - 1400			1500 - 1700			1800 - 2000			2100 - 2300		
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	11.4	.4		930	16.5	1.5		930	9.6	.3		930
CATEGORY B	13.0	1.9	.2	930	17.6	2.7	.1	930	10.0	.6	.1	930

TIME (LST)	0600 - 2000						ALL HOURS					
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	10.2	.6		4650	6.9	.3		7440				
CATEGORY B	11.1	1.2	.1	4650	7.4	.8	.1	7440				

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050

STATION NAME: ORLANDO IAP FLORIDA  
 LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
 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)	GE10 GE15 GE25 OBS	GF10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	.4 900 .3 .1 900	1.0 .2 .1 900	3.3 900	900
CATEGORY B	.4 900 .3 .2 900	1.0 .3 .1 900	3.8 .2 900	900

TIME (LST)	1200 - 1400	1500 - 1700	1800 - 2000	2100 - 2300
SPEED (KTS)	GE10 GE15 GE25 OBS	GF10 GE15 GE25 OBS	GE10 GF15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	5.6 .8 900	11.0 .6 900	7.3 .R .1 900	1.1 .1 900
CATEGORY B	5.8 .9 .3 900	12.2 1.4 .3 900	8.1 1.6 .2 900	1.2 .2 900

TIME (LST)	0600 - 2000	ALL HOURS
SPEED KTS	GE10 GE15 GE25 OBS	GF10 GE15 GE25 OBS
CATEGORY A	5.6 .5 .0 4500	3.8 .3 .0 7200
CATEGORY B	6.2 .9 .2 4500	4.1 .6 .1 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
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)	GF10	GE15	GE25	OBS	GF10	GE15	GE25	OBS	GF10	GE15	GE25	OBS
CATEGORY A	.3	.1	.2	930	.2	.2	.2	930	3.8	3.8		930
CATEGORY B	.3	.1	.2	930	.2	.2	.2	930	3.9	.1		930

TIME (LST)	1200 - 1400			1500 - 1700			1800 - 2000			2100 - 2300		
SPEED (KTS)	GF10	GE15	GE25	OBS	GF10	GE15	GE25	OBS	GF10	GE15	GE25	OBS
CATEGORY A	5.0	.4	14.4	1.9	930	5.5	.3	930	.6			930
CATEGORY B	6.7	.9	15.6	3.7	.4	5.7	.8	930	.6			930

TIME (LST)	0600 - 2000						ALL HOURS		
SPEED KTS	GF10	GE15	GE25	OBS	GF10	GE15	GE25	OBS	
CATEGORY A	6.0	.5	4.50	.3	3.9	.3		7440	
CATEGORY B	5.4	1.1	.1	4.50	4.2	.7	.1	7440	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 80  
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)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.2	.1	.1	930	.5	.5	.6	930	.6	2.6	.1	930
CATEGORY B	.2	.1	.1	930	.5	.5	.6	930	.6	2.6	.3	.1

TIME (LST)	1200 - 1400			1500 - 1700			1800 - 2000			2100 - 2300		
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.0	1.1	.2	930	11.1	1.3	4.1	930	4.1	.8	.1	930
CATEGORY B	6.3	1.4	.2	930	11.5	2.3	4.2	930	4.2	.8	.1	930

TIME (LST) 0600 - 2000 ALL HOURS

SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.9	.5	.3	4650	3.2	.3	.3	7440
CATEGORY B	5.1	.9	.2	4650	3.3	.6	.1	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
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)	GF10 GE15 GE25 OBS	GF10 GE15 GE25 OBS	GF10 GE15 GE25 OBS	GF10 GE15 GE25 OBS
CATEGORY A	1.8 .6 900	.9 .6 900	1.7 .6 900	3.9 .3 900
CATEGORY B	1.9 .5 .2 900	1.0 .6 .3 900	1.9 .6 .3 900	4.4 .8 900
TIME (LST)	1200 - 1400	1500 - 1700	1800 - 2000	2100 - 2300
SPEED (KTS)	GF10 GE15 GE25 OBS	GF10 GE15 GE25 OBS	GF10 GE15 GE25 OBS	GF10 GE15 GE25 OBS
CATEGORY A	5.9 .2 900	6.5 .6 900	2.1 .4 900	1.0 .6 900
CATEGORY B	6.9 1.1 900	7.3 .9 .2 900	2.8 .8 .3 900	1.0 .7 .3 900

ALL HOURS

TIME (LST)	0600 - 2000	GF10	GF15	GF25	OBS
SPEED KTS	GF10 GE15 GE25 OBS	GF10	GF15	GF25	OBS
CATEGORY A	4.0 .4 4500	3.0	.5	7200	
CATEGORY B	4.6 .8 .2 4500	3.4	.7	.2 7200	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA  
LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
MONTH: OCT

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

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200	0300 - 0500	0600 - 0800	0900 - 1100
SPEED (KTS)	GE10 GF15 GE25 OBS	GE10 GF15 GE25 OBS	GE10 GF15 GE25 OBS	GE10 GF15 GE25 OBS
CATEGORY A	.9 930 1.9 .1 930	1.7 930	8.2 .4 930	930
CATEGORY B	.9 930 1.9 .2 930	1.7 930	8.6 .9 930	930

TIME (LST)	1200 - 1400	1500 - 1700	1800 - 2000	2100 - 2300
SPEED (KTS)	GE10 GF15 GE25 OBS	GE10 GF15 GE25 OBS	GE10 GF15 GE25 OBS	GE10 GF15 GE25 OBS
CATEGORY A	9.0 .4 930 4.4	930 930	2.3 .1 928	1.2 927
CATEGORY B	9.9 1.0 930 5.1 .3	930 930	2.0 .5 928	1.4 .1 927

TIME (LST)	0600 - 2000	ALL HOURS
SPEED KTS	GE10 GF15 GE25 OBS	GE10 GF15 GE25 OBS
CATEGORY A	5.1 .2 4043	3.7 .1 7435
CATEGORY B	5.6 .5 4645	4.0 .4 7435

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

STATION NUMBER: 722050 STATION NAME: ORLANDO TAP FLORIDA  
 LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
 MONTH: NOV

MAGNETIC RUNWAY HEADING: 050-230

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

TIME (LST)	0000 - 0200	0300 - 0500	0600 - 0800	0900 - 1100
SPEED (KTS)	GE10 GE15 GE25 OBS	GF10 GF15 GF25 OBS	GF10 GF15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	4.2 .6 900	6.4 .4 900	6.6 .2 900	15.0 1.1 900
CATEGORY B	4.8 .5 900	6.4 .7 900	6.6 .6 900	15.4 1.8 .3 900

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	1200 - 1400	1500 - 1700	1800 - 2000	2100 - 2300
SPEED (KTS)	GE10 GE15 GE25 OBS	GF10 GF15 GE25 OBS	GF10 GF15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	17.8 1.2 900	12.3 .8 900	4.0 .2 900	4.8 .1 900
CATEGORY B	19.8 2.4 .2 900	12.7 1.7 .3 900	4.4 .2 900	4.8 .3 .1 900

ALL HOURS

TIME (LST)	0600 - 2000	ALL HOURS
SPEED KTS	GE10 GF15 GF25 OBS	GF10 GE15 GE25 OBS
CATEGORY A	11.1 .7 4500	9.0 .6 7200
CATEGORY B	11.6 1.3 .2 4500	9.2 1.1 .1 7200



OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP FLORIDA PERIOD OF RECORD: NOV 78 - OCT 88  
 LST TO UTC: + 5 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)	GE10	GE15	GE25	OBS	GF10	GE15	GE25	OBS	GF10	GE15	GE25	OBS
CATEGORY A	6.1	.8	930	930	7.7	.6	930	930	8.9	.6	930	930
CATEGORY B	6.2	1.0	930	930	7.8	1.5	930	930	8.9	.9	930	930

TIME (LST)	1200 - 1400			1500 - 1700			1800 - 2000			2100 - 2300		
SPEED (KTS)	GE10	GE15	GE25	OBS	GF10	GE15	GE25	OBS	GF10	GE15	GE25	OBS
CATEGORY A	22.2	2.6	930	930	14.3	1.3	930	930	5.2	.6	930	930
CATEGORY B	22.9	4.6	930	930	14.7	2.5	930	930	5.6	1.4	930	930

TIME (LST)	0600 - 2000						ALL HOURS					
SPEED KTS	GF10	GE15	GE25	OBS	GF10	GE15	GE25	OBS	GF10	GE15	GE25	OBS
CATEGORY A	13.5	1.3	4650	4650	11.1	1.1	7440	7440	11.3	2.0	.0	7440
CATEGORY B	14.0	2.5	.0	4650	11.3	2.0	.0	7440	11.3	2.0	.0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 722050

STATION NAME: ORLANDO IAP FLORIDA  
LST TO UTC: + 5

PERIOD OF RECORD: NOV 78 - OCT 88  
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)	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	3.4 .5 10959	3.9 .4 10959	4.8 .4 .0 10959	13.1 1.5 10959
CATEGORY B	3.5 .7 .0 10959	4.0 .7 .0 10959	4.8 .7 .0 10959	13.6 2.7 .1 10959

TIME (LST)	1200 - 1400	1500 - 1700	1800 - 2000	2100 - 2300
SPEED (KTS)	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	15.7 1.9 .0 10959	14.5 1.7 .0 10959	6.7 .5 .0 10957	3.5 .4 10956
CATEGORY B	16.9 3.6 .2 10959	15.7 3.1 .3 10959	7.2 1.1 .1 10957	3.7 .6 .1 10956

TIME (LST)	0600 - 2000	ALL HOURS
SPEED KTS	GE10 GE15 GE25 OBS	GE10 GE15 GE25 OBS
CATEGORY A	11.0 1.2 .0 54793	8.2 .9 .0 87667
CATEGORY B	11.7 2.2 .1 54793	9.7 1.6 .1 87667

PPPPPP	AAAAA	RRRRRR	TTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRR	TTTTTTTTT	HH	HH
PP	AA	RR	TT	HH	HH
PP	AA	RR	TT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRR	TTTTTTTTT	HHHHHHHH	HHHHHHHH
PPPPPPPP	AAAAAAA	RRRRRRR	TTTTTTTTT	HHHHHHHH	HHHHHHHH
PP	AA	RR	TT	HH	HH
PP	AA	RR	TT	HH	HH
PP	AA	RR	TT	HH	HH
PP	AA	RR	TT	HH	HH

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE). THESE TABLES GIVE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) PERIOD (IF AVAILABLE). THE 30-YEAR PERIOD PROVIDES AVERAGE USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR PERIOD WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

ASTERISKS (\*\*\*) DENOTE A MISSING MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED 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.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP, FLORIDA PERIOD OF RECORD: MAY 52 - OCT 69  
LST TO UTC: + 5

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1952	160	72	12	9	18					10	41	189	258
1953	108	92	129							11	45	120	429
1954	181	95	62							11	75	222	637
1955										9	42	112	501
1956	274	62	69	6						18	119	97	627
1957	78	27	60							3	8	201	392
1958	348	350	78	2							2	116	899
1959	207	19	79	12							58	119	494
1960	161	157	152	10	1						10	220	711
1961	219	90	24	9						5	7	104	458
1962	157	36	101	12							71	237	614
1963	174	213	27	2						9	67	300	791
1964	226	200	44	4						3	11	81	569
1965	165	87	85							3	26	142	508
1966	243	146	62	6						2	81	182	722
1967	138	168	23	2							18	51	400
1968	133	292	147	1						17	116	234	940
1969	163	207	171								65	159	765
1970	278	205	73	1							128	88	773
1973	183	215	34	18						6	13	204	673
1974		163	14	5							34	147	364
1975	72	46	56	13							79	161	427
1976	263	99	17	2						2	114	184	681
1977	431	206	37	5						6	38	183	906
1978	268	248	72									59	647
1979	223	209	65								45	109	651

1980 149 247 60 4 2 65 171 698

1981 405 111 74 2 65 211 868  
1982 195 20 34 8 14 13 89 373  
1983 223 134 95 9 60 142 663  
1984 240 133 63 11 63 100 630  
1985 324 144 20 9 13 212 722

1986 171 79 101 3 51 405  
1987 211 94 57 60 40 92 549  
1988 223 166 75 7 471

MEAN 189 130 6 6 0 3 44 137

SD 102.06 86.73 42.45 10.21 2.95 5.13 37.30 71.07

\*\*\*\*SPL 50YR SUMMATION (1951 -1980)\*\*\*\*

MEAN 180 135 67 4 0 3 48 146

SD 80.72 68.68 56.43 21.24 35.40 29.69 59.46 70.18

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722050 STATION NAME: ORLANDO IAP, FLORIDA  
 LST TO UTC: + 5

BASE TEMPERATURE 65 PERIOD OF RECORD: MAY 52 - OCT 88

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1952	51	61	195	223	276	532	538	544	497	289	108	11	2795
1953	56	43	141	303	479	491	562	533	474	265	130	95	3259
1954	31	44	170	246	407	502	532	585	500	274	70	23	3375
1955						440	517	552	512	282	106	52	3359
1956	13	115	130	172	414	459	545	565	439	310	126	128	3417
1957	106	122	102	244	397	490	551	524	507	264	178	35	3520
1958	4	20	68	216	341	503	547	555	521	269	234	48	3326
1959	50	128	78	212	418	484	508	516	467	432	154	37	3484
1960	64	33	61	213	328	434	540	554	458	390	195	24	3294
1961	11	92	193	137	358	458	555	554	490	307	165	140	3460
1962	58	144	90	184	443	478	565	543	477	340	60	46	3428
1963	51	17	176	242	380	496	529	552	452	282	83	13	3273
1964	40	13	134	259	301	517	534	571	465	273	185	78	3430
1965	34	73	150	273	340	433	484	486	442	255	110	35	3115
1966	22	44	67	167	418	426	570	529	429	316	70	15	3072
1967	51	23	110	213	393	463	541	531	453	296	138	160	3367
1968	55	1	46	237	344	410	496	508	437	284	75	47	2940
1969	7	8	30	215	337	520	572	517	481	387	88	21	3183
1970	19	14	113	278	307	430	527	512	464	329	57	57	3113
1973	61	16	161	149	315	425	495	461	463	336	187	48	3117
1974	191	55	191	221	418	471	496	524	503	243	122	48	3483
1975	105	116	133	225	441	472	486	541	473	364	162	40	3563
1976	20	73	195	200	367	437	538	526	475	251	68	58	3208
1977	1	17	208	184	323	540	538	519	526	265	182	64	3367
1978	27	3	117	263	443	530	549	550	505	323	233	112	3655
1979	30	32	68	264	330	477	573	548	507	296	150	61	3341

1980	29	26	172	173	366	470	588	584	506	334	137	14	3404
1981		40	56	265	381	561	605	561	457	363	97	67	3453
1982	62	141	218	255	332	527	562	552	475	312	211	160	3807
1983	25	14	73	141	371	480	583	592	484	370	101	97	3331
1984	40	45	42	157	343	423	497	531	432	335	101	105	3101
1985	27	80	146	202	400	532	539	538	445	451	262	54	3676

1986	26	73	122	149	365	501	546	574	504	391	330	121	3702
1987	22	40	87	129	369	547	581	620	538	227	166	80	3416
1988	28	45	98	230	340	464	491	553	575	248			3072
.....													

\*\*\*\*\*SPL 30YR SUMMATION (1951 -1980)\*\*\*\*

MEAN	39	48	113	195	350	454	510	513	454	296	130	59	
SD	36.66	42.76	60.16	73.26	95.58	116.99	127.42	127.87	114.76	89.23	72.42	43.99	
MEAN	39	45	112	199	346	445	502	501	446	287	122	52	
SD	37.05	41.36	107.52	188.76	334.91	425.61	431.95	482.04	429.79	273.74	117.00	47.58	



A M S STATION NAME: ORLANDO IAP, FLORIDA FIELD ELEV: 96 FT  
 LATITUDE/LONGITUDE: 29 26 N 081 19 W STATION HSC: 722050  
 CLIMATIC BRIEF HOURLY OBS PER: NOV 78 - OCT 83 CALL SIGN: KMCO  
 SUMMARY OF DAY POR: JAN 44-OCT 46, JAN 52-OCT 88 SUPERCEDES: N/A  
 HOURS SUMMARIZED: 0000 - 2300 LST  
 APR 89 LST TO UTC: +05

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	86	89	91	96	101	100	99	100	98	95	89	90	101	38
MEAN MAX TEMP (F)	70.0	72.3	77.1	82.3	86.9	89.7	90.6	90.5	88.7	83.3	77.3	72.0	81.8	38
MEAN TEMP (F)	59.6	61.7	66.6	71.5	76.6	80.7	82.0	82.2	80.7	74.7	67.6	61.9	72.3	38
MEAN MIN TEMP (F)	48.7	50.7	55.6	60.3	65.7	71.2	73.0	73.4	72.3	65.6	57.5	51.3	62.2	38
EXTRM MIN TEMP (F)	19	29	25	36	44	53	64	65	57	45	30	20	19	38
D/W TEMP GE 100 (F)	0	0	0	0	0	0	0	0	0	0	0	0	0	38
D/W TEMP GE 90 (F)	0	0	0	3	9	16	21	21	14	3	0	0	88	38
D/W TEMP LT 50 (F)	16	12	7	2	0	0	0	0	0	1	5	13	56	38
D/W TEMP LT 33 (F)	1	1	0	0	0	0	0	0	0	0	0	1	3	38
HEATING DEGREE DAYS	189	130	61	6						3	44	137	570	38
COOLING DEGREE DAYS	38	48	113	195	350	454	510	513	454	296	130	59	3160	38
MEAN DEWPOINT TEMP (F)	47.3	50.9	54.4	57.7	64.2	70.9	72.6	73.2	71.7	65.2	60.2	54.1	61.9	10
MEAN WET BULB TEMP (F)	52.2	55.6	59.2	62.9	68.2	73.7	75.1	75.5	74.1	68.4	63.5	57.9	65.6	10
99.95% WCPA (FT)	400	400	500	400	300	250	200	250	300	300	300	300	350	10
MEAN REL HUM 07 LST(%)	96.3	99.2	89.3	76.5	67.2	59.5	50.3	40.3	30.7	20.2	10.9	8.8	88.9	10
MEAN REL HUM 13 LST(%)	55.1	54.4	51.1	47.4	50.4	57.6	59.1	60.5	60.3	55.7	57.9	58.2	55.6	10
MEAN ABS HUM 07 LST(*)	7.7	9.1	10.4	11.9	15.4	18.4	19.3	19.6	18.6	14.8	12.2	9.7	13.4	10
MEAN ABS HUM 13 LST(*)	8.0	8.8	9.7	10.5	13.2	16.9	18.1	18.4	17.5	14.2	12.2	10.1	12.7	10
MAX 24HR PRECIP (IN)	4.17	2.82	5.41	3.78	3.14	4.40	3.75	3.92	7.57	4.42	4.64	2.79	7.57	38
MAX PRECIP (IN)	7.23	8.32	12.76	6.96	10.36	15.28	11.92	13.42	14.69	10.00	10.29	5.33	64.80	38
MEAN PRECIP (IN)	2.26	2.71	3.39	1.96	3.25	7.13	7.30	6.21	5.91	2.90	1.81	1.92	46.74	38
MIN PRECIP (IN)	.13	.06	.14	.14	.18	1.66	2.32	1.56	.51	.03	.05	.04	33.31	38
D/W PRECIP GE .01 (IN)	7	7	7	5	9	14	17	16	14	8	5	6	115	38
D/W PRECIP GT .50 (IN)	1	2	2	1	2	5	5	4	4	2	1	1	30	38
MAX 24HR SNFL (IN)	#	0	0	0	0	0	0	0	0	0	0	0	#	36
MAX SNFL (IN)	#	0	0	0	0	0	0	0	0	0	0	0	#	36
MEAN SNFL (IN)	#	0	0	0	0	0	0	0	0	0	0	0	#	36
D/W SNFL GE .1 (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	36
D/W SNFL GE 1.5 (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	36
MAX DLY SNO DEPTH (IN)	0	0	0	0	0	0	0	0	0	0	0	0	#	36
MEAN SFC WND DIR (DFG)	360	360	360	240	090	050	180	060	060	360	360	360	060	10
MEAN WND SPD (KTS)	7.8	8.0	8.5	7.7	7.4	6.7	6.3	6.0	6.5	7.0	7.3	7.3	7.2	10
MAX WND SPD (KTS)	40	43	50	49	55	54	50	44	47	34	43	38	55	32
SKY COVER GT 1/2 (%)	49.0	53.2	47.0	42.1	44.0	54.4	54.0	56.9	52.0	40.6	49.0	54.4	49.9	10
D/W THUNDERSTORMS	1	2	3	3	8	14	12	17	10	3	1	1	81	36
D/W FOG (VSBY LT 7 MI)	16	14	15	12	13	11	8	9	10	12	14	15	149	36

LEGEND: ANN = ANNUAL PUR/YR = PERIOD/YEARS OF RECORD  
 D/W = MEAN NUMBER OF DAYS WITH ACPA = WORST CASE MAXIMUM PRESSURE ALTITUDE  
 # = BASED ON LESS THAN FULL MONTHS # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE  
 \*\* = INSTANTANEOUS PEAK WINDS # = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN



PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY

ANN

DEC

NOV

OCT

SEP

AUG

JUL

JUN

MAY

APR

MAR

FEB

JAN

PER

ANN

DEC

NOV

OCT

SEP

AUG

LST

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
00 - 02	19.4	17.3	12.0	8.4	6.0	5.1	2.8	2.7	4.3	8.5	15.8	18.7	10.2	10
03 - 05	22.8	24.3	16.9	11.4	9.0	9.0	2.4	3.5	5.1	10.4	22.6	27.4	13.8	10
06 - 08	27.4	31.6	27.7	17.3	14.3	13.9	7.5	5.3	9.7	14.6	22.7	28.9	18.2	10
09 - 11	23.3	26.9	19.1	12.9	14.2	16.4	7.3	10.5	12.1	15.1	19.3	22.7	16.9	10
12 - 14	18.4	17.1	11.0	5.9	5.6	3.3	5.9	6.9	9.4	11.3	15.4	16.9	11.2	10
15 - 17	14.3	10.7	6.1	3.2	3.9	5.2	6.1	4.6	6.9	7.4	9.4	9.7	7.3	10
18 - 20	13.0	11.3	5.8	3.9	2.6	5.0	3.9	4.0	4.6	5.5	9.6	10.0	6.7	10
21 - 23	14.2	14.8	9.3	6.8	4.0	4.4	2.8	2.8	4.3	5.8	11.8	13.4	7.8	10
ALL	19.1	19.2	12.6	8.7	7.5	8.7	4.8	5.0	7.1	9.8	15.8	18.5	11.4	10
00 - 02	16.3	12.1	7.1	4.3	2.9	3.2	1.9	1.3	2.4	6.0	11.8	14.1	7.0	10
03 - 05	19.4	13.3	12.0	8.7	6.0	7.0	2.2	3.2	2.9	8.3	17.6	20.6	10.5	10
06 - 08	22.7	25.0	17.5	14.0	12.2	11.2	7.1	4.8	7.6	12.7	18.6	24.3	15.0	10
09 - 11	17.5	19.5	9.2	5.7	4.3	2.4	1.3	1.9	3.6	6.0	12.7	16.8	8.3	10
12 - 14	10.5	6.2	3.4	1.7	1.6	.9	1.7	1.7	1.7	2.2	4.8	5.7	2.6	10
15 - 17	8.4	4.0	2.7	1.3	1.7	1.7	3.2	1.7	2.8	2.7	3.2	5.5	3.2	10
18 - 20	8.7	6.0	3.3	2.3	1.4	2.2	1.6	1.7	2.4	1.7	6.7	5.5	3.7	10
21 - 23	11.2	9.2	4.3	3.0	1.5	1.6	1.4	.5	1.8	4.2	8.2	8.4	4.6	10
ALL	14.3	12.5	7.5	5.3	4.0	3.9	2.6	2.1	3.1	5.5	10.4	12.6	7.0	10
00 - 02	12.6	9.5	4.8	2.9	1.5	2.4	1.6	.8	1.7	3.2	9.6	12.5	5.3	10
03 - 05	15.9	16.3	8.2	4.9	4.0	4.9	1.5	2.3	2.2	6.2	14.9	17.5	8.1	10
06 - 08	18.9	21.6	12.4	8.9	7.3	7.4	2.8	3.3	4.2	9.2	15.7	20.5	11.0	10
09 - 11	13.0	13.8	5.5	2.3	1.4	.3	1.2	.6	1.2	4.0	9.1	12.4	5.4	10
12 - 14	6.9	2.6	2.2	.2	.2	.4	1.3	.5	.7	1.1	2.0	2.7	1.9	10
15 - 17	5.3	2.2	1.6	.7	.9	.7	2.0	1.3	1.4	.6	2.1	2.5	1.8	10
18 - 20	6.6	3.5	2.3	1.1	.9	1.7	.9	1.0	1.8	.5	4.1	3.4	2.3	10
21 - 23	8.7	5.7	3.3	2.0	1.1	.0	1.1	.1	1.6	1.8	6.1	6.1	3.2	10
ALL	11.0	9.4	5.1	2.7	2.2	2.3	1.5	1.2	1.9	3.3	7.9	9.7	4.9	10
00 - 02	3.9	2.6	.3	.4	.1	.0	.0	.0	.1	.4	1.1	2.7	1.0	10
03 - 05	4.5	4.6	1.5	1.3	.9	.3	.5	.8	.0	1.1	3.3	6.8	2.1	10
06 - 08	7.0	8.0	2.3	2.6	1.0	.9	.8	1.3	1.2	2.0	5.1	8.0	3.4	10
09 - 11	2.2	1.3	.2	.0	.0	.0	.1	.1	.0	.1	.6	2.7	.6	10
12 - 14	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	10
15 - 17	.1	.6	.0	.0	.2	.2	.0	.1	.0	.0	.0	.1	.1	10
18 - 20	.2	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	.1	10
21 - 23	.6	.7	.0	.1	.0	.0	.0	.0	.0	.0	.4	1.0	.2	10
ALL	2.3	2.1	.5	.5	.3	.2	.2	.3	.2	.5	1.3	2.7	.9	10

HURRICANE/TROPICAL STORMS OBSERVED FOR THE PERIOD : 1903-1965

Hs/IS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
60NM	0/0	0/0	0/0	0/0	0/0	0/0	1/3	1/3	0/0	0/0	0/0	0/0	15/25
120NM	0/0	0/0	0/0	0/0	0/0	0/0	2/4	2/4	0/0	0/0	0/0	0/0	34/52
240NM	0/0	0/0	0/0	0/0	1/4	5/14							82/116
Hs/IS	JUL	AUG	SEP	OCT	NOV	DEC	ANN						
50NM	2/3	4/8	3/6	3/6	1/0	0/0	15/25						
120NM	3/5	11/15	9/15	9/15	1/0	0/0	34/52						
240NM	7/11	23/24	23/30	21/31	2/1	0/0	82/116						

