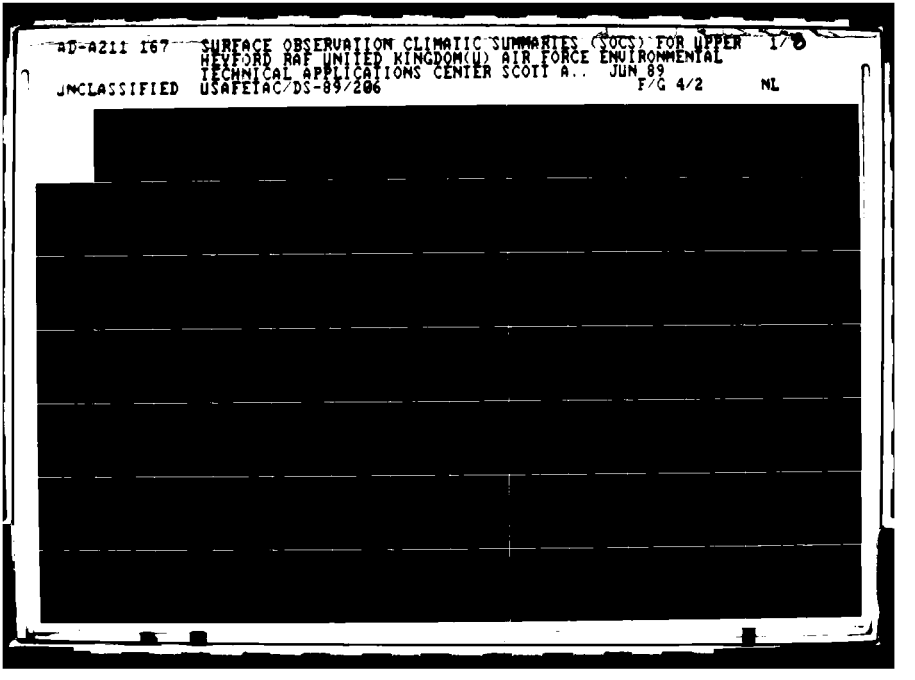
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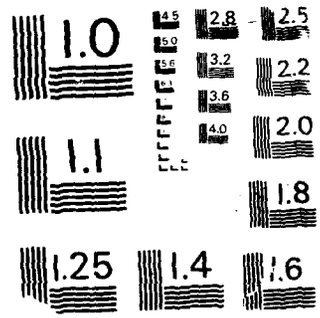
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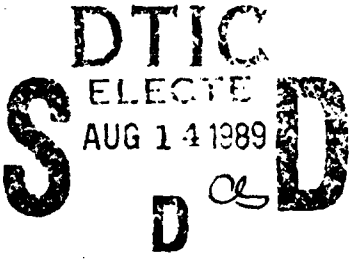

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: [illegible] SUMMARIES (SJCS) FOR SELECTED RAF UNITED KINGDOM

[illegible]

1[illegible], PAGE COUNT: 375

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[illegible] A SERIES OF SURFACE WEATHER OBSERVATIONS
JOINT CLIMATIC SUMMARY (LISCS). EXISTING
[illegible], AT THIS [illegible]TIALLY [illegible] REPLACED BY A SJCS.

--[illegible]

[illegible], MEAN, ATMOSPHERIC PHENOMENA;
[illegible], HUMIDITY; PRESSURE, PRECIPITATION;
SJCS, RAF [illegible] RAF UNITED KINGDOM.

CLIMATIC SUMMARIES (SJCS) PROVIDE STATISTICAL
OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED
STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED F[illegible]
"[illegible] OF DAY" (STD) INFORMATION IS SUMMARIZED
CLIMATIC DATABASE.

[illegible]RACT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION

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: [illegible]LLIAM R. [illegible]

[illegible]-[illegible]-9352 22C. OFFICE SYMBOL: DL-A/CA, USAFETAC

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Availability Codes
Dist | Avail and/or Special
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PREFACE

[illegible] 1 JULY 1996, THE SURFACE OBSERVATION CLIMATIC SUMMARY (SOCS) [illegible] THREE USAFETAC PRODUCTS OF LONG STANDING: THE MISSED (REVISED [illegible] SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISTS (LIMITED SURFACE [illegible] CLIMATIC SUMMARY). MISSEDS AND LISTS [illegible] EXISTENCE WILL CON- [illegible] USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

[illegible] PRODUCT WAS [illegible] ISSUED IN THREE FORMS UNDER SEVERAL DIFFERENT NAMES. IT [illegible] INTRODUCED IN THE EARLY 1940'S AS THE "SFOSUM," IS "SURFACE SUMMARY." THE [illegible] "MISSED," IS "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," [illegible] 1950's. THE MISSED [illegible] EVOLVED INTO THE "MISSAG" AND THE "LISTS." IT [illegible] THE U.S. "SURFACE OBSERVATION CLIMATIC SUMMARY" OR "SOCS" IN [illegible].

[illegible], (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION [illegible] ASHEVILLE, NC 28801-2723. [illegible], CLIMATOLOGISTS USE STATE-OF-THE-ART COM- [illegible] TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MIL- [illegible], CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA [illegible] COLLECTED, QUALITY-CONTROLLED, AND STORED IN THE GLOBAL SURFACE [illegible] OBSERVATION DATABASE.

[illegible] PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES [illegible] (A-H). THE ADDITIONS ARE THE CROSS-TABULATED WEATHER-CONDITIONS DERIVED DAY SUMMARIES. [illegible] EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION [illegible] DATA, AND AN EXPLANATION OF HOW THE DATA IS DERIVED.

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INTRODUCTION

STATION, PERIOD OF RECORD:

HOURLY OBSERVATIONS: JUL 7[illegible] - JUN [illegible] (LST).

SUMMARY OF DAY DATA: NOV 52 - APR 57, OCT [illegible] - SEP [illegible], SEP [illegible] - JUN [illegible] (PST).

SUMMARY OF DAY DATA: MAY 57 - [illegible], MAY [illegible] - [illegible] (DST).

HOURS SUMMARIZED: [illegible] LST THROUGH [illegible] LST.

NOTES & NOTES. THESE SUMMARIES ARE STORED FOR "HOURLY OBSERVATIONS" AND "SUMMARY OF DAY DATA," RESPECTIVELY, IN THE [illegible] OF [illegible] SUMMARIES. THE [illegible] SHOWS [illegible] "[illegible] VALUES."

[illegible] EXPLANATIONS:

VARIABLE DISTRIBUTIONS: A [illegible] DISTRIBUTION GIVES THE JOINT OCCURRENCE OF [illegible] OF TWO [illegible]. AN [illegible] IN THE [illegible] OF THE [illegible] OF [illegible] AND [illegible] OF [illegible]. [illegible] A VARIABLE DISTRIBUTION [illegible]. JOINT [illegible] OCCUR AND [illegible] AT THE [illegible] OF [illegible].

HOURLY OBSERVATIONS: ALL [illegible] HOURLY OBSERVATIONS [illegible] THIS [illegible] (I.E., [illegible] VALID) AT [illegible] HOUR OF THE DAY.

SUMMARY OF DAY (SOD) DATA: DATA [illegible] ALL VARIABLES [illegible] SUMMARIES, INCLUDING HOURLY OBSERVATIONS, [illegible] OBSERVATIONS, SUMMARY, [illegible] TOTAL "SUMMARY OF DAY" DATA [illegible] IN COLUMNS 44-73 OF ARS FORMAT [illegible] (I.E., [illegible]) FOR ANY GIVEN DAY. [illegible] STATISTICS OCCURRING [illegible] NATIONAL WEEK, MONTH, DAY, [illegible] IN THE SUMMARY.

MEAN: THE SUM OF ALL THE VALUES [illegible] DIVIDED BY [illegible].

MEASURABLE AMOUNT: ANY PRECIPITATION [illegible] TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE [illegible]. IF THE [illegible] VALUES IS EVEN, THE MEDIAN IS HALFWAY [illegible] THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE [illegible] OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SMDS, THIS IS [illegible] 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 [illegible] OBSERVATIONAL DATA SAMPLE, IN YEARS.

[illegible] INCLUDES BOTH LIQUID PRECIPITATION AND WATER

[illegible] OF DISPERSION OR THE VARIABILITY OF THE [illegible] ITS ARITHMETIC MEAN. THE LARGER THE STANDARD [illegible] THE VARIABILITY.

TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME [illegible] ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. [illegible] VARIATIONS, THE DATA IS SUMMARIZED USING THE [illegible] (ALL LST):

1200-1400
1500-1700
1800-2000
2100-2300

[illegible] PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE [illegible] OBSERVATION COUNTS.

[illegible]	[illegible]
[illegible]	METER
[illegible]	[illegible]
MPS	METERS PER SECOND
MSL	MEAN SEA LEVEL
[illegible]	[illegible]
[illegible]	[illegible]
OBS	OBSERVATION
OBST	OBSTRUCTION
POF	PERCENT OCCURRENCE FREQUENCY
PRECIP	PRECIPITATION
SD	STANDARD DEVIATION
[illegible]	SUMMARY OF DAY
TEMP	TEMPERATURE
TSTM	THUNDERSTORM
VSBY	VISIBILITY
VSN	VISION
[illegible]	WET BULB TEMPERATURE
WBAN	WBAN FORM 10/10A
UTC	COORDINATED UNIVERSAL TIME

[illegible] DISTRIBUTION OF THE DATA [illegible] EACH PART IN THE SOCS.

STATION NO. [illegible]	STATION NAME	LATITUDE	LONGITUDE	EL
036[illegible]	[illegible] [illegible]YF[illegible] RAF STN, UK	[illegible]	[illegible]	[illegible]3

STATION LOCATION AND INSTRUMENTATION HISTORY

NUM OF LOC	[illegible] LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION FROM	TO	LATITUDE	L
1	[illegible] RAF, UK	RAF	MAY 52	MAR 54	[illegible]	
[illegible]	SAME	SAME	APR 54	[illegible] 57	SAME	
3	SAME	SAME	MAY 57	AUG 5[illegible]	SAME	
4	SAME	SAME	SEP [illegible]	MAR [illegible]	SAME	
[illegible]	SAME	SAME	A[illegible]	A[illegible]	SAME	
[illegible]	SAME	SAME	MAY 6[illegible]	AUG [illegible]	SAME	
7	SAME	SAME	[illegible] 66	JUL [illegible]	SAME	
[illegible]	SAME	SAME	[illegible]	[illegible] 7	SAME	
[illegible]	SAME	SAME	[illegible] 7[illegible]	JUL [illegible]	SAME	

[illegible]	[illegible]	SURFACE WIND EQUIPMENT INFORMATION — LOCATION	TYPE OF INSTRUMENT	TYPE [illegible]	[illegible]
1	[illegible]	[illegible] HANGAR [illegible]	AN/[illegible]-1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] OF CONTROL TOWER	SAME	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	SAME	[illegible]	[illegible]
[illegible]	[illegible] 7	[illegible] RUNWAY [illegible]	[illegible]/[illegible]-11	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] WEATHER STA	SAME	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] RWYS, [illegible] RUNWAY	SAME	[illegible]	[illegible]
7	[illegible]	[illegible] RWYS AND 400' [illegible] APPROACH [illegible] RWY 27	SAME	SAME	[illegible]
	[illegible]	1. [illegible] RWYS AND 500' [illegible] LINE APCH END RWY 27 2. 276[illegible]' [illegible] AND [illegible] LINE APCH END RWY [illegible]	SAME SAME	SAME	[illegible] [illegible]
[illegible]	JAN 71	[illegible]: SAME	AN/[illegible]-[illegible]	[illegible]	[illegible]
1[illegible]	[illegible] 7[illegible]	1. SAME [illegible]. SAME	SAME SAME	SAME	[illegible] [illegible]
11	J[illegible]	[illegible]: SAME	SAME	SAME	[illegible]

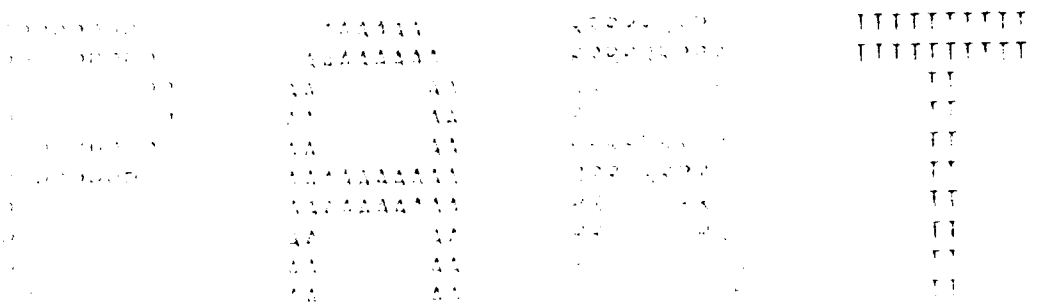
LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
[illegible]	[illegible]	43[illegible]	EGJA	03655

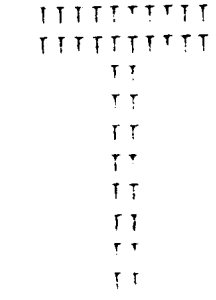
ATION AND INSTRUMENTATION HISTORY

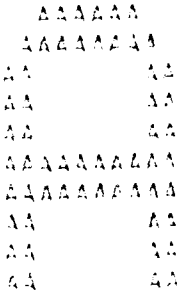
AT THIS LOCATION		LATITUDE	LONGITUDE	ELEV ABOVE MSL		OBS PER DAY
FROM	TO			FLD (FT)	BARO (FT)	
MAY 52	MAR 56	[illegible]	[illegible]	453	421	24
APR 56	MAY 57	SAME	SAME	SAME	423	24
MAY 57	AUG 5[illegible]	SAME	SAME	SAME	455	10-17
SEP 5[illegible]	MAR 62	SAME	SAME	SAME	SAME	24
APR 62	AUG 65	SAME	SAME	437	555	24
MAY 65	AUG 69	SAME	SAME	SAME	SAME	11-13
SEP 69	JUL 72	SAME	SAME	SAME	SAME	24
[illegible]	AUG 72	[illegible]	SAME	SAME	417	24
[illegible]	JUL [illegible]	SAME	SAME	438	446	24

T INFORMATION

TYPE OF EQUIPMENT	TYPE OF RECORDER	PT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
AN/GMQ-1	[illegible]	55 FT	
SAME	[illegible]	+0.5 FT	
SAME	[illegible]	30 FT	
AN/GMQ-11	[illegible]	10 FT	
[illegible]	-2	13 FT	
[illegible]	[illegible]	1[illegible] FT	
SAME	SAME	SAME	
SAME	SAME	1[illegible] FT	
SAME		16 FT	
AN/GMQ-20	30-352	SAME	
SAME	SAME	13 FT	
SAME		13 FT	
SAME	SAME	SAME	







PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND FU

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

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

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, PELLETS. IN JANUARY 1963, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

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

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

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

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHICH

BLOWING SAND: MIST, SAND, BLOWING DUST, DUST STORM, COMBINATIONS

BLOWING SPRAY: THE WORD DESCRIPTIONS IN "VISION" CATEGORY ACCOUNTS FOR ALL SPRAY, IF AND AS REPORTED.

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

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

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

PART A

SPHERIC PHENOMENA SUMMARIES

IES ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

AIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE
. SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

F HAIL.

S ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE
IPITATION MAY BE INCLUDED IN THE SAME OBSERVATION,
THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES

IG, ICE FOG, AND OTHER FOG.

, HAZE, OR COMBINATIONS OF THE TWO.

OR BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

STRUCTIONS TO VISION CATEGORY ACCOUNTS FOR BLOWING
.

: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS
OF LESS THAN ONE MILE. ONE OBSTRUCTION TO VISION MAY BE
WITHIN THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL
PERCENTAGES IN THIS CATEGORY.

OCCURRENCE FREQUENCY.
OCCURRENCE FREQUENCY (OCF) FOR THE ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS

TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

ALL HOURS COMBINED).

ALL MONTHS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (PCT).
THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY DA
DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMPRIS

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.
THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS
THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBI
DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC
REPORTS (FM-15 AND FM-12 10/10A) ARE ENCODED ONLY THE HIGHEST
SYNOPTIC PHENOMENA THAT AFFECTS VISIMILITY. METAR STATIONS STARTED TH
JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JA
STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTS VI
CONTINUED TO TRANSMIT ONLY THE HIGHEST PRIORITY. FOR EXAMPLE, IF THE
OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED.
THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN
OCCURRENCE, THE INSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIP
SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: BEFORE 1950 METAR REPORTING STATIONS FREQUENTLY DID NOT TRANSMIT
VISIBILITIES EXCEED 10.0 MILES.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS LESS THAN
ONE-HALF, AMOUNT IS LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFL
RELATIVE OCCURRENCES OF CERTAIN PHENOMENA.

I OCCURRENCE FREQUENCY (OOF).
N IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY
MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

FREQ. FREQUENCY.
OF OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON
ATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

RRECTION--PERCENT OCCURRENCE FREQUENCY.
DAY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND
AS SPECIFIED BY THE LOCAL WEATHER STATION.

HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS
AM) AND TRANSMIT ONLINE ONLY THE HIGHEST ORDER ATMOS-
ECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN
D STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR
ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT
THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBS-
N AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF
TAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION.
TO VISION (AND TO A LESSER EXTENT, PRECIPITATION)
SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

TAS STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO
EXCEED 1000 METERS.

THE SUMMARY REPRESENTS ONE OF MOST OCCURRENCES THAT, IN
THAT 5% PERCENT.

DOS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME
OF CERTAIN PHENOMENA.

OPERATING LOCATION NAME: PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPH
ASHEVILLE, NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 03812 STATION NAME: UPTON-MAYFORD AAF, SC PERIOD OF RECORD:
LST TO UTC: - 5 MONTH: JAN

HOURS (LST)	TSTMS	LT.RAIN OR DRIZ	RAIN OR DRIZZ	FREEZ RAIN/DRIZZ	HAIL	ALL PRECIP	FOG	SMOKE OR HAZE	PRECIP ONLY	OBST OR FOG
00-02		13.3	.2	2.8		19.3	24.9	5.1	.1	
03-05	.1	11.3	.2	4.3		17.[illegible]	25.[illegible]	5.1		
[illegible]		14.1	1.3	5.4		19.[illegible]	28.[illegible]	5.1		
09-11		14.[illegible]	.8	7.3		24.[illegible]	24.[illegible]	[illegible]		
12-14	.1	14.[illegible]	.6	7.2		23.[illegible]	19.7	[illegible]	.1	
15-17		14.[illegible]	.3	6.2		21.[illegible]	19.1	14.1	.[illegible]	
18-20		14.1		5.[illegible]		19.1	14.[illegible]	12.3	.[illegible]	
21-23		13.[illegible]		3.3		16.7	22.2	[illegible]	.3	
ALL HOURS	.1	13.[illegible]	.4	4.8		18.7	21.[illegible]	[illegible]	.1	

[illegible]

[illegible]		13.[illegible]	.[illegible]	5.5		19.[illegible]	24.3	13.[illegible]	.[illegible]	
06-08		16.1	1.6	4.1		19.7	29.[illegible]	13.[illegible]	.1	
09-[illegible]		14.1	1.4	4.[illegible]		19.7	31.[illegible]	13.1		
09-11		14.1	.[illegible]	7.1		21.[illegible]	25.[illegible]	13.7	.[illegible]	
12-14		13.1	.[illegible]	5.[illegible]		19.[illegible]	17.[illegible]	13.[illegible]	.[illegible]	
15-17		13.[illegible]	.2	4.1		17.[illegible]	18.[illegible]	22.[illegible]		
18-20		13.[illegible]	.2	3.[illegible]		17.7	15.[illegible]	15.[illegible]		.
21-23		13.[illegible]	.9	3.[illegible]		17.7	22.[illegible]	12.[illegible]		
ALL HOURS		13.[illegible]	.[illegible]	4.[illegible]		19.[illegible]	21.[illegible]	15.[illegible]	.1	.

...ERVATION FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

...AFB AFWEATHER TAF OK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JAN

FAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
	16.3	24.0	5.1	.1		46.6	930
	17.[illegible]	23.[illegible]	5.1			46.7	930
	19.[illegible]	23.4	5.1			48.[illegible]	93[illegible]
	24.[illegible]	24.4	[illegible].5			56.9	93[illegible]
	23.[illegible]	19.7	[illegible].[illegible]	.1		53.3	930
	2[illegible].5	19.1	14.1	.3		51.1	93[illegible]
	13.1	1[illegible].0	12.3	.3		44.7	93[illegible]
	16.7	22.2	[illegible].4	.3		45.9	93[illegible]
	18.7	21.[illegible]	[illegible].[illegible]	.1		49.[illegible]	7443

MONTH: [illegible]

	19.[illegible]	24.3	13.4	.4		57.3	849
	19.7	26.5	12.2	.1		55.7	849
	18.7	31.0	12.1			61.[illegible]	84[illegible]
	21.[illegible]	25.5	13.7	.4		55.5	849
	19.5	1[illegible].[illegible]	13.[illegible]	.4		54.5	84[illegible]
	17.[illegible]	18.[illegible]	22.5			53.1	849
	17.7	16.8	16.4		.1	51.[illegible]	849
	17.7	22.5	12.[illegible]			52.7	84[illegible]
	19.[illegible]	21.9	15.[illegible]	.1	.0	56.9	6792

[illegible]

STATION: [illegible] STATION NAME: [illegible]

LST TO UTC: - 6

HOURS (LST)	TSTMS	CLOUDS	FOG	DRIZZLE	HAIL	ALL	RAIN	SNOW AND/OR ICE	SLEET
[illegible]		[illegible]	1.6			17.1	15.4	7.2	
[illegible]		[illegible]	2.3			23.3	[illegible]	7.[illegible]	
[illegible]		[illegible]	4.[illegible]			29.[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	4.[illegible]			30.[illegible]	[illegible]	[illegible]	
12-14		[illegible]	5.[illegible]			2[illegible]	7.[illegible]	[illegible]	
[illegible]	.1	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]			[illegible]	[illegible]	11.1	
[illegible]		[illegible]	1.[illegible]			1[illegible]	[illegible]	[illegible]	
ALL HOURS	.1	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	

[illegible]	.1	11.4	1.3			18.4	15.4	[illegible]	
[illegible]		11.[illegible]	1.[illegible]			12.[illegible]	[illegible].7	[illegible]	
[illegible]		11.[illegible]	.[illegible]			12.[illegible]	[illegible].	[illegible]	
[illegible]		11.4	1.1			12.6	[illegible].1	[illegible]	
12-14	.[illegible]	[illegible]	.[illegible]			11.1	[illegible].4	[illegible]	
[illegible]	.[illegible]	11.1	.[illegible]		.1	12.1	[illegible]	[illegible]	
[illegible]		12.1	.[illegible]			12.[illegible]	[illegible].[illegible]	[illegible]	
[illegible]	.1	[illegible]	.7			11.0	[illegible].4	[illegible]	
ALL HOURS	.1	11.2	.9		.0	[illegible]	11.3	[illegible]	

[illegible] FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
[illegible] MONTHLY SUMMARIES

[illegible] YEARS [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 7[illegible]
MONTH: MAR

[illegible]	ALL [illegible]	FOG	SMOKE HAZE	BLOWING DUST SAND	ALL [illegible]	TOTAL [illegible]
	1[illegible].1	1[illegible].6	7.2		[illegible]3.2	7[illegible]
	2[illegible].[illegible]	2[illegible].[illegible]	7.[illegible]		[illegible].[illegible]	3[illegible]
	2[illegible].[illegible]	2[illegible].2	1[illegible].		[illegible]1.[illegible]	[illegible]
	2[illegible].[illegible]	1[illegible].[illegible]	1[illegible].[illegible]		[illegible]4.[illegible]	[illegible]
	2[illegible].[illegible]	7.[illegible]	13.		[illegible].	[illegible]
	[illegible].	[illegible].1	1[illegible].2		[illegible]1.[illegible]	[illegible]
	1[illegible].[illegible]	7.3	11.1		[illegible].	[illegible]
	1[illegible].2	11.[illegible]	[illegible]		[illegible].[illegible]	[illegible]
	1[illegible].2	1[illegible].2	1[illegible].[illegible]		[illegible].3	7[illegible]
	1[illegible].[illegible]	1[illegible].[illegible]	1[illegible].[illegible]		[illegible].[illegible]	[illegible]
	12.[illegible]	1[illegible].7	3.[illegible]		[illegible].[illegible]	[illegible]
	12.[illegible]	2[illegible].	1[illegible].7		[illegible].	[illegible]
	12.[illegible]	[illegible].1	1[illegible].[illegible]		41.[illegible]	[illegible]
	11.1	[illegible].4	13.4		[illegible].[illegible]	[illegible]
.1	12.1	1.[illegible]	1[illegible].2		[illegible].[illegible]	[illegible]
	12.[illegible]	[illegible].[illegible]	13.2		[illegible].[illegible]	[illegible]
	11.[illegible]	[illegible].4	[illegible].[illegible]		[illegible].2	[illegible]
.[illegible]	1[illegible].1	11.[illegible]	13.3		[illegible].7	7[illegible]

[illegible] FREQUENCY OF OCCURRENCE WITH VARIOUS ATMOSPHERIC PHENOMENA
[illegible]

[illegible] PERIOD OF RECORD: JUL [illegible] - JUL [illegible]
MONTH: MAY

[illegible]	ALL [illegible]	FOG	SMOKE, HAZE	BLOWING DUST	DUST	ALL [illegible]	TOTAL NO. OBS
	[illegible].[illegible]	[illegible].[illegible]	[illegible].			[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]			[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]			[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]			[illegible].[illegible]	[illegible]
[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]			[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]			[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]			[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]			[illegible].[illegible]	[illegible]
[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]			[illegible].[illegible]	[illegible]

MONTH: JUN

	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]		[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]		[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]		[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]		[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]		[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]		[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]		[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]		[illegible].[illegible]	[illegible]
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]		[illegible].[illegible]	[illegible]

OPERATIONS LOCATION: MAY PERCENTAGE FREQUENCY OF WINDS WITH VARIOUS VELOCITIES
[illegible], ASO, VOLP FROM NORTH VELOCITIES

STATION NUMBER: 3[illegible] STATION NAME: [illegible] [illegible]
LST TO UTC: - 0 MONTH: JUL

KNOTS (LST)	CALMS	LIGHT AIR	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE % FOG	ALL WINDS	OBS % SA
[illegible]		[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.1	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.2	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.2	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.0	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.0	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.3	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.1	[illegible]				[illegible]	[illegible]	[illegible]		
ALL [illegible]	.3	[illegible]				[illegible]	[illegible]	[illegible]		

[illegible]

[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.1	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.1	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.2	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.0	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.0	[illegible]				[illegible]	[illegible]	[illegible]		
[illegible]	.4	[illegible]				[illegible]	[illegible]	[illegible]		
ALL [illegible]	.1	[illegible]				[illegible]	[illegible]	[illegible]		

[illegible]

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: JUL

HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SAND	DUST &/OR SAND	ALL TEST TO VSN	TOTAL NO. OF OBS
	13.2	16.3	9.1			33.3	930
	13.5	31.8	4.4			50.5	930
	10.6	21.5	13.1			45.4	93[illegible]
	14.[illegible]	5.1	12.3			27.3	930
	6.[illegible]	1.7	11.7			20.2	930
	9.[illegible]	1.[illegible]	5.1			15.1	93[illegible]
	6.[illegible]	1.7	13.[illegible]			21.4	[illegible]
	9.[illegible]	5.[illegible]	10.3			24.7	930
	9.4	10.4	10.5			30.5	7440

[illegible]: JUL

9.7	16.5	9.[illegible]			35.[illegible]	930
11.3	29.2	7.3			47.[illegible]	930
9.[illegible]	33.1	13.[illegible]			44.6	93[illegible]
10.[illegible]	5.1	10.2			24.3	930
11.1	2.2	9.3			23.0	930
11.2	1.7	13.5			22.[illegible]	930
11.5	2.4	16.1			30.0	930
8.7	7.4	12.5			28.5	930
10.[illegible]	12.1	10.[illegible]			33.2	7440

OPERATIONAL LOCATION "B"
HUNTSVILLE, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND SPEED AND DIRECTION
FOR MONTHLY AND ANNUAL

STATION NUMBER: 53873 STATION NAME: JOHN C. STENNIS SPACE CE
EST FROM UTC: -6

WIND DIR (KTS)	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	64+
01-02	.4	4.3				4.8	17.3	6.7					
03-05		1.3				10.3	23.7	6.4					
06-08	.1	11.7				11.3	31.4	13.3					
09-11	.1	5.3				4.1	11.6	12.4					
12-14		4.3				3.3	3.2	12.1					
15-17	.1	.7				1.7	2.3	11.1					
18-20	.1	.4				1.7	6.1	1.7					
21-23	.1	4.3				3.3	4.	13.1					
ALL WINDS	.3	5.3				5.3	13.3	11.7					

WIND DIR (KTS)	CALM	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	64+
01-02		1.1				13.3	23.1	7.3					
03-05		17.1				17.1	23.3	4.3					
06-08		1.7				10.7	1.3	.1					
09-11		1.1				12.1	21.1	13.3					
12-14		13.1	.3			13.3	9.3	11.4					
15-17		1.1				13.1	5.3	11.1					
18-20		13.3				13.9	1.3	11.1					
21-23		13.1				13.1	15.1	11.3					
ALL WINDS		13.3	.3			13.3	13.7	9.3					

FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

AVERAGED FOR JA PERIOD OF RECORD: JUL 7- - JUN 8-
MONTH: SEP

ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSBY	TOTAL NO. OF OBS
9.9	17.8	8.7			36.9	900
10.8	23.7	6.4			45.7	900
11.3	31.4	10.9			52.4	900
9.1	11.6	12.3			33.9	900
8.3	8.2	10.1			22.6	900
.7	2.3	11.1			22.1	900
6.7	6.1	10.7			23.3	900
9.7	4.6	12.9			31.1	900
9.9	13.5	11.3			34.1	7200

MONTH: OCT

15.2	23.7	7.3			46.2	930
17.5	29.2	6.1			52.7	930
14.7	35.3	4.7			54.7	930
13.7	21.7	13.5			48.2	930
13.5	9.2	11.4			34.2	930
14.4	5.4	11.1			33.2	930
13.9	8.6	11.1			33.5	930
14.4	16.1	11.2			41.1	930
15.0	18.7	9.8			43.5	7440

OPERATING LOCATION: NAM
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSP
FROM ASSIMILY TAPE DATA

STATION NUMBER: 53813 STATION NAME: UPPER HEYFORD (AF) UK
LST TO UTC: - 0

PERIOD OF RECORD: 1957

HOURS (LST)	TOTAL	CLOUDS	FREEZ PRECIP	FREEZ PRECIP	HAIL	ALL PRECIP	FOG	SMOKE / HAZE	BLOWING SNOW	DUST / SAND
00-02		14.7		.2		15.9	24.4	5.7		
03-05		14.		.2		15.1	26.2	5.5		
06-		14.7		.3		15.2	27.1	5.7		
09-11		14.3		.3		17.4	29.1	3.		
12-14		17.2		.4		17.7	19.7	11.2		
15-17		14.1		.3		15.1	15.7	11.		
18-		12.7		.1		17.1	18.9	7.7		
21-23		14.1		.2		14.7	22.1	6.3		
ALL HOURS		14.1		.3		16.2	21.3	7.		

SEA-

00-		14.3	.1	1.3		17.7	21.7	5.3		
03-		14.2		2.2		16.	23.5	5.7		
06-		13.1		1.3		13.7	23.3	5.1		
09-11		17.7		3.7		23.4	24.3	3.7		
12-14		21.7		2.7		13.4	17.1	13.7		
15-17		19.3		2.6		17.5	16.2	14.3		
18-20		15.7		3.3	.1	13.1	16.5	9.3		
21-23		15.3		1.5		15.4	13.3	6.3		
ALL HOURS		16.1	.3	2.2	.3	15.4	20.2	9.1		

FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

YEARS FOR OF PERIOD OF RECORD: JUL 7- - JUN 8-
MONTH: NOV

ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL REST TO VSN	TOTAL NO. OF OBS
15.3	24.3	5.7			47.3	300
15.7	25.3	5.3			47.3	900
15.2	27.3	5.7			51.4	900
17.4	25.-	9.-			53.9	900
17.7	15.7	11.3			44.7	900
15.-	19.7	11.			45.3	30
17.-	15.9	4.7			42.3	300
15.7	21.1	4.-			42.7	900
15.4	21.9	5.7			45.7	7200

MONTH: DEC

17.7	21.7	5.3			45.3	930
15.-	23.5	5.7			45.3	930
17.7	22.9	5.1			46.3	930
21.4	24.9	9.9			53.4	930
17.4	17.-	13.5			49.2	930
17.5	15.2	14.3			48.7	930
14.1	15.5	9.3			45.5	930
15.4	13.5	6.9			44.5	930
15.4	20.2	9.9			47.5	7440

A - 2 - 5

OPERATIONAL LOCATION "MAP"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PH
FOR MONTHLY OBS VALUES

STATION NUMBER: 3[illegible]3 STATION NAME: DENVER W[illegible]FIELD AP CO
LST TO UTC: - 0

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE C/IP HAZE	BLOWING SAND
JAN	.0	12.5	.4	4.5		14.7	21.6	[illegible]	.1
FEB		14.8	.3	4.3		13.9	21.9	15.[illegible]	.1
MAR	.1	14.4		2.5		21.[illegible]	14.2	12.[illegible]	
APR	.1	11.1		.9	.0	12.1	11.8	13.[illegible]	
MAY	.1	14.4		.1	.0	15.[illegible]	12.[illegible]	12.[illegible]	
JUN	.0	11.7				12.5	13.5	11.[illegible]	
JUL	.3	7.4				8.1	14.[illegible]	12.[illegible]	
AUG	.4	8.2				11.3	12.1	8.[illegible]	
SEP	.0	4.1				9.[illegible]	15.2	11.[illegible]	
OCT		8.[illegible]		.5		13.[illegible]	17.7	9.[illegible]	
NOV		9.[illegible]		.3		15.[illegible]	21.[illegible]	[illegible].[illegible]	
DEC		14.1	.1	2.2	.1	16.[illegible]	21.[illegible]	[illegible]	
ANNUAL	.2	11.5	.1	1.3	.0	14.[illegible]	15.3	13.[illegible]	.0

FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FOR HOURLY OBSERVATIONS

[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 74 - JUN 84
HOURS: ALL

ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL DUST TO VSBY	TOTAL NO. OF OBS
13.7	21.6	[illegible]	.1		49.2	7440
12.9	21.9	15.4	.1	.0	50.9	5792
21.[illegible]	14.2	12.[illegible]			46.3	744[illegible]
12.1	11.3	13.3			36.7	7200
15.[illegible]	12.[illegible]	12.0			39.[illegible]	7440
12.[illegible]	12.[illegible]	13.3			38.[illegible]	7200
[illegible].[illegible]	10.[illegible]	12.5			32.5	7440
14.[illegible]	12.1	13.[illegible]			33.2	7440
[illegible].[illegible]	13.[illegible]	11.[illegible]			34.1	720[illegible]
15.[illegible]	13.7	[illegible].[illegible]			43.[illegible]	7440
15.[illegible]	[illegible].[illegible]	[illegible].[illegible]			45.[illegible]	7200
15.[illegible]	23.[illegible]	[illegible].[illegible]			47.[illegible]	7440
14.[illegible]	15.9	13.[illegible]	.[illegible]	.[illegible]	41.5	37672

OPERATIONAL CLIMATIC DATA
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATM
RAW SUMMARY FREQUENCY DATA

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: +00

MONTH	TSTMS	LIQUID PRECIP	FRZEZ RAIN/DRZL	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SM /VIS
JAN	.4	13.5	1.2	22.2	.4	72.1	57.4	58.
FEB	.2	14.3	1.2	23.7	.2	64.3	54.1	7.
MAR	.1	11.7	.1	14.3	.3	55.7	44.4	7.
APR	2.3	11.0		4.4	2.7	41.4	45.4	7.
MAY	4.7	11.3		1.4	2.1	41.7	49.3	4.
JUN	7.4	7.3		.1	1.2	37.1	47.7	4.
JUL	4.1	6.1			.3	35.5	41.1	4.
AUG	4.7	4.3			.1	30.1	43.2	4.
SEP	2.1	7.7			.4	32.2	4.1	4.
OCT	1.1	7.1		.4	.3	32.1	51.4	7.
NOV	.3	17.3		4.2	.3	44.7	44.4	4.
DEC	.4	14.7	.4	1.1	.3	53.	.2	4.
ANNUAL	2.	11.7	.2	7.3	.	44.1	47.	4.

...CY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
...M SUMMARY OF DAY DATA

PERIOD OF RECORD: 5111-5704,5809-6504,6609-8406
MONTH: ALL HOURS: ALL

...NTH	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL DUST TYPES	TOTAL NO. OF OBS
...	72.1	57.4	63.9	.9		95.1	1085
...	74.9	54.3	72.3	.7		95.5	990
...	85.2	54.4	73.5			94.1	1085
...	71.4	46.5	72.4			92.0	1048
...	61.3	45.3	59.2			90.9	992
...	57.5	47.7	61.4			87.1	963
...	55.0	43.7	62.7			84.3	961
...	58.9	49.7	66.7			91.0	974
...	67.7	55.3	67.3			91.7	995
...	62.1	62.4	67.5			93.5	1054
...	68.7	58.4	63.7			94.4	1050
...	73.	5 .7	65.7	.1		95.1	1085
...	63.1	53.5	65.9	.2		92.2	12279

OBSERVATION LOCATION "MAP"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF MODERATE OR GREATER TURBULENCE BY TIME OF OBSERVATION
FOR THE MONTH OF JULY FOR OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER MCVEYTOWN PA-NJ [illegible]
LST TO UTC: - 0

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
09-02				.1	.1	.3		.2	.2	.4
03-05	.1				.1	.4	.2	.2		
06-08					.4	.2	.4	.1	.1	
09-11							.2	.4	.1	
12-14	.1			.2	.4	.5	.4	.4		
15-17			.1	.3	.3	1.4	.4	.2	.3	.3
18-20					.3	1.2	.4	.4	.2	.1
21-23				.1	.1		.	.	.	.
ALL HOURS	.1		.2	.1	.2	.	.2	.1	.	
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
[illegible] MONTHLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]

[illegible]	MAY	JUN	JUL	[illegible]	[illegible]	OCT	NOV	DEC
[illegible]	.1	.3	[illegible]	.	.4			
[illegible]	.1	.4	.3	.3				
[illegible]	.4	.3	.4	.2	.1			
[illegible]			.3	.3	.1			
[illegible]	.4	.7	.	.4				
[illegible]	.5	1.3	.4	.3	.3			
[illegible]	.3	1.3	.3	.4	.1			
[illegible]	.1	[illegible]	.2	.3	.3			
[illegible]	.4	.	.3	.4	.3			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

STATE [illegible]

STATE [illegible]

[illegible]	[illegible]	VARIABLE	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]						
LIMITED SPECIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] SPECIES			[illegible]	[illegible]	[illegible]	
[illegible] SPECIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] OF 1/2 MILE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]						
[illegible]						
LIMITED SPECIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] SPECIES			[illegible]	[illegible]	[illegible]	
[illegible] SPECIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] OF 1/2 MILE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
(IN PERCENTAGES OF HOURLY OBSERVATIONS)

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUL [illegible]
MONTH: JAN. HOURS: ALL

[illegible] - 359	360 - 119	120 - 139	200 - 239	240 - 349	NO. OF OBS
			100.0		2
7.[illegible]	10.[illegible]	24.[illegible]	37.3	18.[illegible]	1007
[illegible].7	[illegible].2	[illegible].[illegible]	3.[illegible]		[illegible]
[illegible].[illegible]	[illegible].7	[illegible].2	11.1	12.	29[illegible]
[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].6	[illegible].6	[illegible]
[illegible].2	[illegible].[illegible]	[illegible].[illegible]	17.7	[illegible].[illegible]	[illegible]
[illegible]	731	[illegible]	[illegible]	2113	7481

[illegible]: ALL HOURS: ALL

[illegible].7	[illegible].	[illegible].1	[illegible].[illegible]	11.[illegible]	[illegible]
[illegible].	[illegible].[illegible]	[illegible].1	[illegible].		[illegible]
.	[illegible].[illegible]	[illegible].		1[illegible].7	[illegible].1
[illegible].[illegible]	33.[illegible]	17.7	[illegible].[illegible]	[illegible].4	1497
[illegible].[illegible]	33.[illegible]	17.[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible]
[illegible]	1941	[illegible]	[illegible]	1203	6792

[illegible] LOCATION "[illegible]"
[illegible], ASHEVILLE [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND SPEED VERSUS WIND DIRECTION [illegible] ASHEVILLE [illegible]

STATION NUM [illegible]: [illegible] STATION NAME: [illegible] [illegible]
EST TO UTC: - 5 [illegible]: [illegible]

[illegible]	[illegible]	VARIABLE	350 - 059	060 - 119	120 - 180	[illegible] - [illegible]
[illegible]						
[illegible]	1.[illegible]	1.[illegible]	11.1	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
[illegible]						
[illegible]						
[illegible]	1.[illegible]	[illegible].1	[illegible].[illegible]	[illegible].1	[illegible].7	[illegible].[illegible]
[illegible]						
[illegible]	.[illegible]	.[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
[illegible] [illegible]	.[illegible]	.[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].1	[illegible].[illegible]
[illegible]						
[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]

[illegible]: [illegible]

[illegible]						
[illegible]			23.2		[illegible].[illegible]	[illegible].[illegible]
[illegible]						
[illegible]	.[illegible]	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
[illegible]						
[illegible]						
[illegible]		[illegible].1	[illegible].[illegible]	[illegible].[illegible]	[illegible].1	[illegible].[illegible]
[illegible]						
[illegible]	[illegible].[illegible]	.4	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
[illegible] [illegible]	.[illegible]	.4	[illegible].[illegible]	[illegible].[illegible]	[illegible].1	[illegible].[illegible]
[illegible]						
[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]

FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
OBSERVATIONS FROM HOURLY OBSERVATIONS

[illegible] AFB, UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAR HOURS: ALL

[illegible]	060 - 119	120 - 199	200 - 259	260 - 349	350 OR OVER
				100.0	1
.1	5.7	27.[illegible]	38.7	14.0	140[illegible]
.[illegible]	15.1	21.7	4.2	17.6	143
.[illegible]	13.[illegible]	[illegible]3.[illegible]	[illegible]3.[illegible]	17.[illegible]	1[illegible]
.[illegible]	12.[illegible]	21.1	[illegible].[illegible]	23.4	4[illegible]
[illegible]	4[illegible]	114[illegible]	22[illegible]	2119	7440

MONTH: [illegible] HOURS: ALL

.[illegible]		22.[illegible]	22.[illegible]	33.3	[illegible]
.[illegible]	13.[illegible]	[illegible]2.[illegible]	15.[illegible]	20.1	3[illegible]
.	[illegible].[illegible]	3.1	[illegible].3	3.1	3[illegible]
.[illegible]	15.[illegible]	14.[illegible]	1[illegible].1	21.1	14
.[illegible]	15.[illegible]	15.1	1[illegible].7	21.2	754
[illegible]	925	1023	1254	1303	7200

[illegible] - [illegible] - [illegible]

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF ATMOSPHERIC
VERSUS WIND DIRECTION FOR MONTHLY OBSERVATIONS

STATION NUMBER : 93808 STATION NAME: JAMES MCFARLAND AAF, PR
EST TIME/UTC: - 0

PARAMETER	CALM	VARIABLE	350 - 059	060 - 119	120 - 179	180
TSTMS			17.9	23.5	57.3	1
LIGHT PRECIP	2.6	2.6	17.2	4.4	24.3	2
FREEZING PRECIP						
FROZEN PRECIP						
FOG	1.4	1.4	31.3	15.7	14.4	1
FOG WITH VIS OF 1/2 MILES	1.4	1.4	21.3	14.7	14.4	
TOTAL OBS	137	249	1504	913	1284	2

PARAMETER	CALM	VARIABLE	350 - 059	060 - 119	120 - 179	180
TSTMS	4		14.7	30.7	14.7	
LIGHT PRECIP	2.7	2.4	21.3	7.	17.7	2
FREEZING PRECIP						
FROZEN PRECIP						
FOG	1.3	1.0	24.5	13.7	9.4	2
FOG WITH VIS OF 1/2 MILES	13.2	1.1	24.4	13.6	13.1	2
TOTAL OBS	413	251	1269	729	533	1

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

NAME: DOVER MAYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUL 8[illegible]
WBAN: - 0 MONTH: MAY HOURS: ALL

	350 - 059	060 - 119	120 - 179	180 - 249	250 - 349	NO OF OBS
	17.6	23.5	35.3	17.6	5.9	17
	17.2	6.4	24.0	25.9	10.3	1098
				53.3	30.0	2
	31.3	12.5	18.8	12.5	18.7	95
	31.3	13.3	14.3	6.3	17.2	1[illegible]
	1504	838	1242	1739	1438	7440

MONTH: JUN HOURS: ALL

	14.7	20.6	14.7	38.5	17.6	34
	21.8	7.6	17.[illegible]	27.4	21.4	357
	24.5	13.9	9.6	22.4	18.0	332
	24.6	13.6	10.1	22.6	17.2	345
	1269	709	527	1136	2090	7200

POLARIS LOCATION MAP
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC
VERSUS WIND DIRECTION FOR MONTHLY OBSERVATIONS

STATION NUMBER: 3[illegible]
STATION NAME: UPPER MCKENZIE RAP GP
LST TIME: - 0
[illegible]

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 119	120 - 179	180 - 239
TSTMS	[illegible]		27.3	12.[illegible]	.[illegible]	.[illegible]
LIQUID PRECIP	1.3	.7	15.7	6.5	15.2	54.[illegible]
FRZ PCPN PRECIP						
FOG PRECIP						
SNOW	1.[illegible]	.1	24.5	1[illegible].1	1[illegible].[illegible]	[illegible].[illegible]
TSTMS+LIQ PRECIP OR FRZ PCPN	1.4	.1	25.2	12.1	1[illegible].7	[illegible].[illegible]
TOTAL OBS	[illegible]	193	1113	523	21[illegible]	17[illegible]

[illegible]

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 119	120 - 179	180 - 239
TSTMS	[illegible].1		35.4	15.2	[illegible].1	13.1
LIQUID PRECIP	[illegible].3	.7	14.2	[illegible].[illegible]	2[illegible].[illegible]	[illegible].[illegible]
FRZ PCPN PRECIP						
FOG PRECIP						
SNOW	14.[illegible]	.3	27.[illegible]	14.[illegible]	11.2	13.7
TSTMS+LIQ PRECIP OR FRZ PCPN	13.[illegible]	.4	27.1	13.7	11.1	13.3
TOTAL OBS	451	193	1303	45[illegible]	77[illegible]	21[illegible]

...CY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
...LECTION FROM HOURLY OBSERVATIONS

...ATION NAME   PERIOD OF RECORD: JUL 73 - JUN 83
                             MONTH: JUL   HOURS: ALL

...	90 - 119	120 - 199	200 - 259	260 - 349	NO OF OBS
	12.[illegible]	[illegible]	6.3	24.2	24
	6.6	16.2	54.2	25.3	631
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	12.1	[illegible]	[illegible]	15.3	792
	12.1	[illegible]	[illegible]	15.3	754
	629	[illegible]	1743	2590	7440

MONTH: AUG   HOURS: ALL

	15.2	9.1	12.1	21.2	33
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	14.2	11.2	13.7	19.6	910
	13.7	11.1	13.3	20.6	330
	484	776	2155	2362	7440

[illegible] LOCATION MAP
[illegible], ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC [illegible]
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 3553 STATION NAME: UPPER HEYWOOD, WEST VA [illegible]
LST TO UTC: - 5 [illegible]
MONTH: SEP [illegible]

[illegible]	CALM	VARIABLE	350 - 050	060 - 110	120 - 190	200 - 250	260
[illegible]	[illegible]		33.3	15.7	16.7	23.3	
[illegible]	[illegible]	.3	5.5	[illegible]	39.4	39.5	1
[illegible]	[illegible]	.3	11.3	11.2	[illegible]	[illegible]	1
[illegible] [illegible]	[illegible]	.3	12.3	11.[illegible]	[illegible]	[illegible].7	1
[illegible]	50	13	577	[illegible]7	1347	[illegible]12	3

[illegible] [illegible] [illegible] [illegible]

[illegible]	[illegible]					
[illegible]	[illegible]	.4	[illegible]	[illegible]	[illegible]	[illegible].1
[illegible]	[illegible]					
[illegible]	[illegible]					[illegible].3
[illegible]	[illegible].7	.1	15.3	13.[illegible]	21.6	15.1
[illegible] [illegible]	[illegible].1	.2	16.4	13.2	[illegible].3	15.3
[illegible]	559	35	715	592	1462	2417

...QUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
...D DIRECTION FROM HOURLY OBSERVATIONS

...E MEMPHIS, TAF OK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: SEP HOURS: ALL

- 050	060 - 110	120 - 190	200 - 250	260 - 340	NO OF OBS
5.5	15.7	16.7	22.2	5.5	18
7.5	9.3	35.4	35.5	11.7	676
11.5	11.2	28.7	35.4	13.3	774
9.	11.5	27.7	33.7	16.1	937
777	997	1247	2512	1357	7200

MONTH: OCT HOURS: ALL

9.9	13.4	23.5	33.1	19.4	1123
			50.0	50.0	2
8.7	13.5	21.5	36.1	15.3	1409
10.9	13.2	21.9	35.3	17.0	1209
716	692	1462	2417	1543	7440

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

STATION NUMBER: 35[illegible]3 STATION NAME: UPPER HEYFORD RAF UK [illegible]
LST TO UTC: - 0 MONTH:

PHENOMENA	CALM	VARIABLE	350 - 050	0[illegible] - 110	120 - 190	200 -
ISTICS						
LIQUID PRECIP	1.[illegible]	1.1	12.2	7.2	25.4	37
FREEZING PRECIP						
FROZEN PRECIP			50.0	37.5		
FOG	1[illegible]	.[illegible]	15.[illegible]	13.[illegible]	[illegible]	1
FOG WITH VIS 3 1/2 MILES	1[illegible]	.4	1[illegible]	1[illegible]	[illegible].1	1
TOTAL OBS	4[illegible]	43	748	5[illegible]	121[illegible]	[illegible]

MONTH:

PHENOMENA	CALM	VARIABLE	350 - 050	0[illegible] - 110	120 - 190	200 -
ISTICS						
LIQUID PRECIP	1.7	.2	[illegible].7	[illegible]	[illegible]	[illegible]
FREEZING PRECIP					100.0	
FROZEN PRECIP	[illegible]		23.[illegible]	[illegible].1	1[illegible]	1
FOG	13.[illegible]	.1	7.4	21.2	22.2	21
FOG WITH VIS OF 1/2 MILES	[illegible].1	.2	[illegible].2	[illegible].7	2[illegible].[illegible]	2[illegible]
TOTAL OBS	[illegible]	36	509	7[illegible]6	150[illegible]	27

A - [illegible] - [illegible]

...OC FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
...S KING DIRECTION FROM HOURLY OBSERVATIONS

...: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
... - 0 MONTH: NOV HOURS: ALL

350 - 050	060 - 110	120 - 190	200 - 250	260 - 340	NO OF OBS
12.0	7.2	25.4	37.3	18.4	1125
[illegible]	37.5			12.5	16
15.0	13.3	[illegible]	13.1	15.3	[illegible]
14.9	14.2	[illegible]	14.6	15.0	1112
743	535	1213	2632	1745	7393

MONTH: DEC HOURS: ALL

9.7	8.3	33.4	34.1	13.5	1291
		100.0			1
28.5	35.1	13.4	1.8	14.3	133
7.4	21.2	22.2	21.3	13.9	1503
8.2	20.7	22.5	23.6	15.7	1152
509	715	1509	2758	1593	7440

OPERATING LOCATION: NAW PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC
USAFETAC, ASHEVILLE, NC VERSUS WIND DIRECTION FOR ASSIGNED OBSERVATION

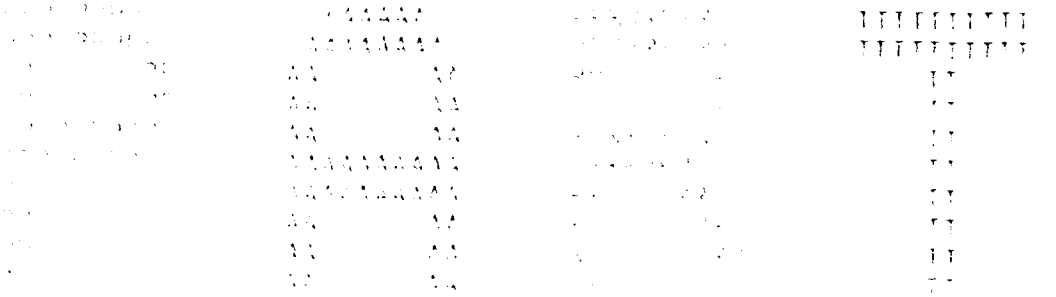
STATION NUMBER: [illegible] STATION NAME: UPPER MERION TWP, PA PERIOD OF
LST ID DIFF: -5 MONTHS: AL

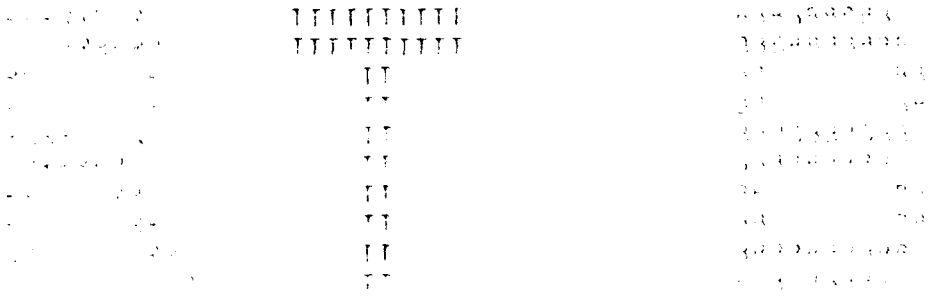
PARAMETER	CALM	VARIABLE	350 - 050	060 - 110	120 - 140	150 - 200
TSTMS	.1		20.8	10.9	15.2	14.1
LIQUID PRCIP	7.2	1.4	13.1	8.4	27.2	31.4
[illegible] PRCIP			23.9	10.1	24.7	9.7
FRZEG PRCIP	2.	1.2	42.8	23.6	10.7	6.0
FOG	14.1	.4	17.2	10.7	12.2	14.3
RESTRICTIVE OF VIS [illegible]	11.	.4	14.5	13.4	17.2	14.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
[illegible] WIND DIRECTION FROM ENSEMBLE OBSERVATIONS

ALT : UPPER HEYFORD (AF UK) PERIOD OF RECORD: JUL 73 - JUL 83
LO: - 0 MONTHS: ALL

350 - 359	000 - 110	120 - 130	240 - 250	260 - 340	[illegible]
20.8	12.9	15.2	14.1	14.8	13.
13.1	8.5	27.9	31.5	15.2	11510
23.5	14.1	36.7	3.7		81
42.8	23.4	13.7	6.0	13.3	906
17.5	10.7	14.3	14.3	14.3	1[illegible]3
14.6	15.4	17.1	14.1	14.3	11838
12223	4791	13342	24412	22761	77570





PART

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

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

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

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

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

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY S.O. 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 BE FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) SNOW-YEAR COLUMN OF DAYS FORMS 1D/1DA (OR EQUIVALENT) AS -ITEMS A TRACE OR MORE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE SNOW YEAR. THE FIRST ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 72 OF AWS FORM 1 (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE SNOW DEPTH IS CONSIDERED THE LAST SNOWFALL. THIS SUMMARY IS NOT AN EVENT FROM NO SNOWFALL OCCURS DURING THE GIVEN PD.

PART I

IPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

T ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

FREQUENCY.
/A THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION,
N DEPTH. DATA IS SUMMARIZED FOR ALL YEARS
AREAS INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS,
WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT
SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION
E ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE,
THAN .05 PERCENT.

/A THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY.
(ZSD) BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST
MOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE
AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS
TA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE
AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED
COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE
S. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO
MONTH.

/A THE MAXIMUM DAILY PRECIPITATION AMOUNTS (BY INDIVIDUAL YEAR-
IPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW
OUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBS-
FOR MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH
DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE
AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH,
SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

---FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.
S THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW
-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE
ERVED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE
-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN
S FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE
THE FIRST (OR LAST) SNOWFALL FOR THE SNOW YEAR. THE FIRST (OR LAST)
OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST)
ALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A
DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST
DESIGNATES THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED
OCCURS DURING THE GIVEN DAY.

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

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

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

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

NOTE 5. SINCE JANUARY 1965, SNOWFALL OBSERVATIONS IN THE SUMMARY OF THE DAY INCLUDED HAIL.

NOTE 6. SYNOPTIC REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
JAN 1945:	2400 GST	JAN 1945:	2359 GMT
JAN 1946 TO MAY 1957:	1230 GST	JUN 1962 TO MAY 1967:	1230 GMT
JUN 1957 TO PRESENT:	1230 GMT	JUN 1967 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES FROM PART TIME REPORTS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDS FOLLOWING HOLIDAYS AND/OR HOLIDAY WEEKENDS OFTEN CONTAIN AMOUNTS REACHING BACK MORE THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT CHRONOLOGICAL 24-HOUR MAXIMUM BUT INSTEAD "MIDNIGHT" AMOUNT. DATA FROM AUTOMATIC STATIONS MAY NOT ACCURATELY REFLECT MIDNIGHT PRECIPITATION AMOUNTS.

CONVERSIONS:

- 1 INCH = 25.39999 MILLIMETERS

- 1 MILLIMETER = .03937 INCHES

MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY
A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE

INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE
TE MONTHS ARE AVAILABLE.

VATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES
TAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBS-
HT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT
PAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS

Y AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE
ATEST AMOUNT FOR THE PERIOD OF RECORD.

JANUARY 1965, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY

T REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

	NAVY AND NATIONAL WEATHER SERVICE	
PRIOR TO 1 JUL 1942:	[illegible]	0330 GMT
1 JUL 1942 TO MAY 1957:	1230 LST	1230 GMT
MAY 1957 TO PRESENT:	1200 GMT	1200 GMT

PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED
PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS
MES AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS
HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD
24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIOD S
MPLY LACK OF MEASURABLE PRECIPITATION VALUES.

.XXXX MILLIMETERS

= .03937 INCHES

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECI
FROM SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: +00

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AU
NONE	34.4	34.5	34.1	38.7	38.3	42.1	41.2	41.
TRACE	21.2	24.3	19.4	20.7	18.1	20.4	21.5	18.
.01	5.4	5.4	3.9	5.4	4.7	4.5	5.0	4.
.02-.05	11.1	12.1	12.4	11.2	10.5	8.3	8.8	11.
.06-.10	6.3	5.3	5.5	5.4	7.1	4.2	4.5	7.
.11-.25	14.4	10.1	11.0	10.1	11.1	6.1	7.4	9.
.26-.50	7.5	5.1	7.3	5.9	7.3	4.3	4.3	4.
.51-1.00	1.1	1.3	2.3	.7	2.5	3.3	1.7	2.
1.01-2.00	.1		.2		.4	.5	.4	.
2.01-4.00						.1		
4.01-10.00								
10.01-15.00								
OVER 15.00								
DAYS WITH PRECIP OTHER THAN TRACE	.4	41.3	40.5	43.5	43.1	37.4	33.1	41.
TOTAL NO. OBSERVATIONS	1[illegible]	993	1086	1043	942	480	968	87

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

[illegible] AFB, UK

PERIOD OF RECORD: 5111-5704,5809-6504,6509-8906
MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	38.3	42.1	45.2	40.2	42.7	38.0	31.2	31.0	36.9
	19.1	20.4	21.5	19.9	19.0	18.4	19.7	19.1	20.0
	4.9	4.6	5.0	5.3	3.7	5.2	5.2	6.0	5.1
	10.6	8.8	8.8	10.2	9.2	11.7	13.3	13.2	11.1
	7.1	6.2	6.6	7.1	6.1	7.1	7.6	8.7	7.3
	11.4	9.4	7.4	9.3	10.3	9.4	12.3	11.7	10.6
	7.0	6.0	4.9	5.7	6.1	6.0	7.1	6.6	6.4
	2.6	3.0	1.7	3.1	2.6	3.6	3.1	3.0	2.4
	.4	.5	.6	.4	.4	.3	.3	.4	.3
		.1							.0
	43.3	37.4	33.4	41.0	38.3	43.6	43.0	49.9	43.1
	949	959	959	975	1002	1054	1050	1093	12283

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS (
FROM SUMMARY OF DAY DATA

STATION NUM [illegible]: 3[illegible] STATION NAME: UPPER [illegible] AFB
LST TO UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	2.[illegible]	.[illegible]	3.36	1.71	4.15	1.[illegible]7	.2[illegible]	3.1[illegible]
53	.[illegible]2	1.12	.75	1.72	1.4[illegible]	1.15	1.[illegible]6	3.17
54	1.[illegible]7	1.[illegible]2	2.[illegible]5	.27	2.65	2.[illegible]0	1.23	2.7[illegible]
55	[illegible].[illegible]4	1.44	.[illegible]6	.[illegible]9	3.6[illegible]	[illegible].1[illegible]	.17	.3[illegible]
56	[illegible].[illegible]8	.[illegible]4	.[illegible]6	.[illegible]3	.22	[illegible].1[illegible]	[illegible].1[illegible]	[illegible].7[illegible]
57	1.[illegible]3	[illegible].[illegible]9	1.[illegible]1	.27				
58								
59	[illegible].[illegible]4	.[illegible]3	[illegible].[illegible]4	[illegible].[illegible]0	.71	1.[illegible]3	1.[illegible]1	.[illegible]2
60	[illegible].[illegible]4	[illegible].21	.7[illegible]	.73	1.[illegible]3	[illegible].[illegible]5	[illegible].[illegible]7	[illegible].[illegible]4
61	[illegible].71	[illegible].14	.[illegible]4	[illegible].[illegible]7	.77	1.[illegible]1	1.[illegible]2	[illegible].[illegible]1
62	[illegible].[illegible]1	.[illegible]3	.[illegible]1	1.[illegible]6	1.[illegible]2	.[illegible]5	1.[illegible]7	[illegible].[illegible]3
63	.[illegible]1	.[illegible]4	[illegible].[illegible]7	1.64	1.[illegible]2	1.7[illegible]	1.[illegible]8	1.[illegible]3
64	.[illegible]5	.[illegible]7	3.7[illegible]	1.[illegible]5	1.64	[illegible].[illegible]4	1.[illegible]4	.[illegible]1
65	[illegible].[illegible]7	.21	[illegible].[illegible]2	1.41				
66								
67	1.[illegible]3	[illegible].[illegible]1	1.[illegible]4	1.11	[illegible].[illegible]2	1.[illegible]1	1.[illegible]1	1.[illegible]3
68	[illegible].1[illegible]	1.12	1.[illegible]	[illegible].11	3.37	[illegible].[illegible]2	[illegible].[illegible]5	[illegible].[illegible]-
69	[illegible].[illegible]7	1.[illegible]3	1.[illegible]-	1.4[illegible]	4.[illegible]3	.[illegible]3	[illegible].[illegible]1	[illegible].17
70	[illegible].[illegible]7	[illegible].[illegible]4	1.[illegible]3	[illegible].45	.[illegible]3	1.[illegible]3	1.[illegible]1	1.[illegible]-
71	[illegible].[illegible]3	.[illegible]5	[illegible].15	1.7[illegible]	1.17	[illegible].[illegible]4	1.[illegible]7	[illegible].-
72	[illegible].[illegible]-	[illegible].[illegible]3	[illegible].[illegible]7	1.[illegible]3	[illegible].1[illegible]	[illegible].[illegible]3	1.[illegible]	1.[illegible]3
73	.[illegible]7	.[illegible]3	.40	2.27	2.[illegible]3	[illegible].[illegible]1	[illegible].7[illegible]	1.[illegible]3
74	[illegible].1[illegible]	4.23	1.[illegible]9	.22	2.75	[illegible].[illegible]3	[illegible].[illegible]-	[illegible].[illegible]5
75	[illegible].[illegible]4	1.[illegible]1	[illegible].[illegible]4	[illegible].13	1.73	.[illegible]-	[illegible].11	.[illegible]3
76	.[illegible]9	1.11	1.[illegible]4	.[illegible]0				1.[illegible]-
77	[illegible].[illegible]3	[illegible].1[illegible]	[illegible].1[illegible]	1.13	1.1[illegible]	[illegible].[illegible]7	.[illegible]-	[illegible].[illegible]7
7[illegible]	[illegible].[illegible]-	[illegible].1[illegible]	[illegible].[illegible]7	1.[illegible]5	1.[illegible]9	[illegible].41	[illegible].41	[illegible].[illegible]7
7[illegible]	[illegible].14	[illegible].7[illegible]	[illegible].4[illegible]	1.37	4.12	1.71	.31	[illegible].[illegible]-
[illegible]0	1.[illegible]9	[illegible].[illegible]3	[illegible].[illegible]9	.[illegible]5	1.1[illegible]	[illegible].[illegible]3	[illegible].[illegible]7	[illegible].[illegible]3
[illegible]1	1.[illegible]3	1.14	[illegible].1[illegible]	1.51	[illegible].[illegible]7	1.07	.[illegible]2	[illegible].[illegible]-
[illegible]2	[illegible].[illegible]3	1.[illegible]9	[illegible].[illegible]2	.[illegible]8	.84	[illegible].[illegible]3	[illegible].[illegible]2	.[illegible]4
[illegible]3	1.[illegible]-	1.1[illegible]	1.[illegible]3	[illegible].14	4.[illegible]0	1.[illegible]5	.[illegible]5	1.[illegible]2
[illegible]4	[illegible].[illegible]-	1.[illegible]2	[illegible].27	.26	2.54	1.[illegible]3	.33	1.77
[illegible]5	1.[illegible]6	.[illegible]9	1.[illegible]5	1.22	3.62	[illegible].[illegible]5	[illegible].22	[illegible].[illegible]-

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] REYES AFB OK PERIOD OF RECORD: 5111-5704,5809-5504,5609-5806
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
						5.47	1.59	7.06*
4.15	1.87	.23	2.15	.71	3.34	2.73	1.24	24.45
1.43	1.15	1.05	3.17	1.33	2.20	1.49	.55	17.49
2.55	2.50	1.23	2.75	1.86	1.94	4.30	1.41	25.29
3.65	2.10	.17	.32	1.05	2.03	1.21	1.51	17.48
.32	2.10	2.15	2.78	2.02	1.42	.70	2.99	13.54
								5.13*
				2.22*	1.95	2.63	2.76	9.56*
.71	1.23	1.59	.46	.13	1.99	1.89	4.37	22.95
1.53	3.35	4.07	2.04	4.57	5.15	4.46	3.91	36.17
.77	1.24	1.[illegible]	3.39	1.53	2.37	1.11	3.39	24.52
1.[illegible]	.23	1.57	3.[illegible]	2.97	1.62	1.53	2.32	20.63
1.92	1.7*	1.[illegible]	2.[illegible]	2.16	1.23	4.24	.55	22.49
1.64	2.74	1.44	.[illegible]	.37	.55	.65	1.44	16.39
								6.02*
				1.73	4.70	1.27	3.30	11.02*
4.32	1.31	1.13	2.33	2.[illegible]	4.61	1.52	1.66	25.05
3.37	2.92	4.55	2.[illegible]	3.[illegible]	2.43	1.96	2.26	29.95
4.30	.93	2.30	2.17	.94	.24	2.62	2.44	23.86
.[illegible]	1.[illegible]	1.91	1.[illegible]	1.77	.61	6.53	.93	24.45
1.17	4.24	1.37	3.[illegible]	.72	2.70	2.36	1.37	26.20
.[illegible]	2.[illegible]	1.23	1.49	1.57	.97	3.21	3.25	24.77
2.53	4.[illegible]	3.79	1.72	2.13	1.35	1.03	1.34	22.40
2.75	2.49	2.95	5.20	5.77	2.90	5.57	1.71	40.19
1.73	.23	2.11	.90	3.39	.55	1.34	1.38	24.10
			1.[illegible]*	3.51	3.37	3.23	3.47	18.73*
1.15	5.37	.39	4.77	.27	1.22	1.57	3.00	23.31
1.[illegible]	3.41	2.41	2.37	1.33	.27	1.15	4.99	27.83
4.12	1.71	.31	3.35	.54	2.15	1.94	6.30	30.64
1.15	2.93	2.47	2.40	2.47	3.37	1.84	1.52	25.94
4.07	1.07	.72	2.26	4.27	2.39	1.14	2.33	27.37
.[illegible]	3.29	2.[illegible]	.98	2.64	3.06	3.19	2.34	27.36
4.49	1.06	.35	1.02	3.21	1.35	1.27	2.11	23.23
2.54	1.58	.33	1.77	3.63	2.14	4.34	1.35	25.43
3.52	4.75	2.22	2.50	.67	2.39	2.51	4.37	28.95

NOAA/NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA 28801

TOTAL MONTHLY PRECIPITATION (INCHES)
FROM JANUARY OF JAY DATA

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
[illegible]	3.41	.36	2.67	2.57	3.08	1.35	1.71	5.13
[illegible]	1.37	1.14	2.23	2.75	4.13	4.35	2.91	1.24
[illegible]	4.71	2.13	3.59	1.24	2.14	2.39		

LAST	.36	.13	.44	.12	.13	.35	.47	.13
GREATEST	4.71	5.13	3.14	3.57	4.52	4.24	4.47	5.13
MEAN	2.49	1.54	2.23	1.53	2.35	2.29	1.75	2.37
MEDIAN	2.39	1.14	2.27	1.59	2.13	2.13	1.71	2.13
SD	1.67	1.363	1.294	.949	1.260	1.294	1.371	1.237
TOTAL N/S	1135	990	1095	1040	992	959	953	975

THE GREATEST VALUE OF 4.71 OCCURRED IN 1977

NOTE: WHEN VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE

TAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 5111-5704,5809-6504,6609-8805
MONTHS: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
5.03	1.39	1.71	5.12	.67	2.34	3.79	3.12	30.77
.12	4.93	2.21	1.26	1.32	5.37	3.36	1.77	32.00
2.14	2.09							15.89*

.28	.35	.17	.32	.10	.24	.08	.05	15.38
4.62	4.93	4.95	5.20	5.77	6.37	5.54	5.00	40.19
2.35	2.29	1.75	2.32	2.16	2.32	2.51	2.44	25.65
2.13	2.10	1.71	2.26	1.92	2.12	1.96	2.26	25.05
1.760	1.294	1.071	1.237	1.355	1.477	1.507	1.315	5.167
922	952	959	975	1002	1054	1050	1033	12283

10/87

*MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: [illegible]
USAFETAC, ASHEVILLE, NC

EXTREME DAILY PRECIPITATION AMOUNTS
[illegible] SUMMARY - MAY [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	.[illegible]	.[illegible]	1.01	.[illegible]	2.13	.[illegible]	.11	.47
53	.27	.73	.32	.39	.41	.37	.[illegible]	.[illegible]
54	1.[illegible]	.37	.[illegible]	.22	.[illegible]	.73	.[illegible]	.47
55	.[illegible]	.[illegible]	.[illegible]	.[illegible]	1.13	.[illegible]	.[illegible]	.[illegible]
[illegible]	.[illegible]	.[illegible]	.11	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
57	.[illegible]	.[illegible]	.[illegible]	.[illegible]				
[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.41
[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	1.[illegible]	.[illegible]
61	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	1.[illegible]	.[illegible]	.[illegible]
[illegible]	.[illegible]	.17	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	1.[illegible]
63	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
64	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.31	.[illegible]	.[illegible]	.[illegible]
[illegible]	.[illegible]	.[illegible]	.41	.[illegible]				
[illegible]								
[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.[illegible]
[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	1.[illegible]	.[illegible]
[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
71	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
72	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
73	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
74	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
75	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
76	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
77	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
78	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
79	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
80	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
81	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
82	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
83	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
84	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]
85	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] RESERVATION [illegible]

PERIOD OF RECORD: 5111-5704,5809-5904,5909-6806
MONTH: ALL HOURS: ALL

YR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
							1.39	.53	1.39*
	2.13	.93	.11	.47	.32	.25	.53	.52	2.13
	.41	.39	.44	.23	.37	.43	.62	.16	.93
	.62	.73	.96	.47	.40	.33	.73	.51	1.06
	1.13	.21	.15	.12	.41	.99	.47	.42	1.13
	.09	.43	.43	.71	.43	.52	.24	.54	.54
									.42*
					.53*	.09	1.08	.35	1.08*
	.40	.41	.47	.41	.23	.52	.33	1.05	1.05
	.54	2.23	1.34	.51	1.13	.39	.35	.50	2.23
	.27	1.03	.27	.27	.45	.52	.32	.56	1.03
	.33	.39	.23	1.11	.58	.38	.31	.51	1.11
	.38	.55	.32	.25	.73	.52	.43	.20	.99
	.31	.32	.37	.12	.24	.13	.17	.23	.94
									.41*
					1.11	.74	.40	.74	1.11*
	1.12	.23	.25	.49	.32	.73	.58	.35	1.12
	.72	.53	2.31	.79	.20	.53	.53	.46	2.31
	.44	.23	1.23	.53	.51	.13	.53	.35	1.23
	.34	.33	.53	.23	.35	.23	.74	.27	.93
	.25	1.03	.57	.23	.23	.73	.37	.51	1.03
	.27	.21	.25	.75	.74	.23	.53	1.19	1.19
	.53	2.11	.75	.31	.53	.41	.47	.37	2.11
	1.02	.23	1.09	1.20	.23	.52	.93	.54	1.20
	.69	.21	.42	.25	.54	.19	.35	.51	1.01
				.39*	.73	.53	.52	.54	.59*
	.52	.21	.13	1.74	.37	.25	.43	.77	1.74
	.53	2.75	.54	1.27	.35	.09	.57	.33	2.75
	.55	.21	.15	.93	.32	.55	.37	2.02	2.02
	.43	.54	.74	.53	.23	1.14	.44	.45	1.14
	.37	.41	.31	1.93	1.34	.53	.35	.54	1.93
	.23	.77	1.94	.27	.45	.53	.56	.51	1.94
	.09	.53	.31	.59	.24	.75	.43	.44	.99
	.37	.34	.13	.53	1.35	.73	.23	.30	1.85
	.31	.72	.53	.41	.23	1.30	.93	1.37	1.37

[illegible]

[illegible]

STATION [illegible]: [illegible] STATION NAME: [illegible]
LST IS UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible]

[illegible]

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] YEAR [illegible] PERIOD OF RECORD: 5111-5704,5509-6504,6609-[illegible]
MONTHS: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	.57	.[illegible]	.61	.[illegible]3	1.5[illegible]
[illegible]	[illegible]	.7[illegible]	.7[illegible]	[illegible]	.41	1.2[illegible]	1.1[illegible]	.33	1.2[illegible]
[illegible]	.3[illegible]	1.[illegible]							1.0[illegible]*
[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	1.3[illegible]	[illegible]	2.75
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	122[illegible]

[illegible] 1/7

[illegible] DATA AVAILABLE [illegible]

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
FROM SUMMARY OF [illegible] DATA

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYF[illegible]
LST TO UTC: +0[illegible]

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	[illegible]
[illegible]	7[illegible].1	7[illegible].	[illegible]3.8	93.3	[illegible]	[illegible]	1[illegible]	1[illegible]
TRACE	1[illegible]	1[illegible]	12.[illegible]	[illegible].7	1.[illegible]	.1		
[illegible].1-[illegible]	[illegible]	[illegible]	.9	.[illegible]				
[illegible]-1.[illegible]	.[illegible]	[illegible].1	1.[illegible]	.[illegible]				
1.[illegible]-[illegible].4	.[illegible]	.7	.7	.1	.1			
[illegible]	.	.[illegible]	.[illegible]					
[illegible]	.	.[illegible]	.2	.1				
[illegible]		.[illegible]	.[illegible]					
[illegible]	.[illegible]		.1					
1[illegible]								
1[illegible]								
[illegible]								
[illegible]								
DAYS WITH [illegible]	.[illegible]	[illegible]	[illegible]	1.[illegible]	.1			
TOTAL [illegible] OBSERVATIONS	1[illegible]	[illegible]	1062	1[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]

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

[illegible] HOYER-MJ RAF JK PERIOD OF RECORD: 5111-5710,5810-6504,6509-8505
MONTH: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
.0	98.9	99.9	100.0	100.0	100.0	99.6	94.7	86.9	92.6
.2	1.0	.1				.4	3.3	6.5	5.1
.1							.9	1.1	.8
.1							.7	2.0	.5
.1	.1							.4	.2
							.1	.5	.2
.1								.1	.1
							.1	.3	.1
									.0
.1	.1						1.1	4.5	3.3
[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]77	1[illegible]	1[illegible]	12[illegible]

OPERATING LOCATION XXX
[illegible], [illegible] NC

TOTAL MONTHLY PRECIPITATION (INCHES)
RANK SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD GAF JA
LST TO UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	1.2	TRACE	0.0	TRACE	.0	.1	.1	.2
53	TRACE	1.5	.0	.0	.2	.2	.2	.1
54	1.1	TRACE	2.1	.0	.3	.1	.1	.1
55	0.3	7.2	2.7	.0	1.7	.2	.1	.3
56	.2	1.2	TRACE	.1	.2	.2	.2	.2
57	.1	.1	.1	.3	.2	.1*	.1*	.1*
58								
59	.2	TRACE	.2	.3	.1	.1	.1	.1
60	.1	.3	.1	.2	.0	.2	.1	.1
61	.1	TRACE	TRACE	.0	.1	.1	.1	.2
62	.1	.3	1.2	TRACE	.3	.1	.1	.3
63	.2	.3	TRACE	TRACE	.2	.2	.1	.1
64	1.1	.2	4.78	TRACE	.3	.1	.1	.1
65	1.7	.1	1.1	*				
66								
67	1.1	TRACE	.2	TRACE	TRACE	.1	.1	.2
68	.1	.2	.3	TRACE	TRACE	.1	.1	.1
69	TRACE	1.4	.2	TRACE	TRACE	.1	.1	.1
70	1.1	2.1	11.1	.3	.3	.3	.3	.3
71	TRACE	1.3	2.1	TRACE	.2	.1	.1	.1
72	2.3	2.7	2.1	TRACE	.2	.3	.1	.1
73	.1	TRACE	TRACE	TRACE	.3	.3	.1	.3
74	TRACE	.2	2.1	.1	.2	.1	.1	.1
75	.3	TRACE	3.3	1.6	.1	TRACE	.1	.1
76	.1	.2	TRACE	.2				.1*
77	.1	TRACE	.3	TRACE	.3	.2	.1	.1
78	.1	.1	3.3	1.1	.2	.1	.1	.1
79	.1	2.7	1.4	TRACE	TRACE	.1	.1	.1
80	1.1	TRACE	TRACE	.3	.3	.1	.1	.1
81	1.1	2.1	TRACE	3.3	.3	.1	.1	.1
82	1.1	.7	.3	.3	.2	.2	.1	.1
83	1.1	5.3	TRACE	2.4	.3	.2	.2	.3
84	2.1	TRACE	TRACE	TRACE	.3	.2	.1	.1
85	3.1	1.7	1.3	TRACE	.3	.3	.3	.1

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

: UPPER HEYFORD RAF UK
: HO

PERIOD OF RECORD: 5111-5710,5810-6504,6509-88
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
							.0	TRACE	TRACE*
TRACE	.0	.0	.0	.0	.0	.0	9.8	.5	20.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.3
.0	1.8	.0	.0	.0	.0	.0	.0	.2	21.0
.0	.0	.0	.0	.0	.0	.0	.0	4.7	7.2
.0	.0	.0*	.0*	.0*	.0*	.0*			.0*
						.0	.0	TRACE	TRACE*
.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7
.0	.0	.0	.0	.0	.0	.0	.0	5.2	21.6
.0	.0	.0	.0	.0	.0	.0	TRACE	3.3	7.2
.0	.0	.0	.0	.0	.0	TRACE	4.1	6.7	17.9
.0	.0	.0	.0	.0	.0	.0	.0	.1	10.6
TRACE	.0	.0	.0	.0	.0	.0	.7	2.5	12.5*
*									2.4*
					.0*	.1	TRACE	TRACE	TRACE*
TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	2.2	4.1
.0	TRACE	.0	.0	.0	.0	.0	.0	5.2	15.0
TRACE	TRACE	.0	.0	.0	.0	.0	1.0	3.4	15.3
.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	23.0
.0	.0	.0	.0	.0	.0	.1	.1	.7	4.4
.0	.0	.0	.0	.0	.0	.0	TRACE	.0	7.5
TRACE	.0	.0	.0	.0	.0	.0	.1	TRACE	.7
.0	.0	.0	.0	.0	.0	.0	.0	.1	7.5
1.5	.0	TRACE	.0	.0	.0	.0	.0	.0	7.6
.0				.0*	.0	.0	.0	5.0	5.1*
TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	10.1
1.1	.0	.0	.0	.0	.0	.0	TRACE	5.2	15.0
.0	TRACE	.0	.0	.0	.0	.0	TRACE	.1	17.5
.0	.0	.0	.0	.0	.0	TRACE	.5	TRACE	1.6
.0	.0	.0	.0	.0	.0	TRACE	TRACE	12.2	22.2
.0	.0	.0	.0	.0	.0	.0	.0	TRACE	16.7
.4	.0	.0	.0	.0	.0	.0	.0	2.0	10.8
TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.2
TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.8

OPERATING LOCATION 'A'
USAFETAC, ASH VILLE NC

TOTAL MONTHLY RAINFALL AMOUNTS IN
FROM SUMMARY OF DAY DATA

STATION NUMBER: 13A6G3 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
82	.	3.7	TRACE	TRACE	.3	.3	.1	.6
83	3.4	TRACE	3.3	.3	.0	.1	.1	.3
84	.	TRACE	TRACE	TRACE	.3	.2		

MEAN	1.7	1.9	1.1	.3	TRACE	TRACE	.1	.3
MAXIMUM	3.4	3.7	3.3	TRACE	.3	.3	.3	.6
SD	2.04	2.02	2.02	.204	.213	.203	.222	.2
TOTAL OBS	13	993	1092	1020	1023	994	993	997

THE SD AT 1ST VALUE OF 19.5 ACCEPTABLE IN SIZE

N.E. : WHEN VALUE IS ASSIGNED A MONTH WITH LESS THAN

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] NEVADA BAR JK

PERIOD OF RECORD: 5111-5710,5810-6504,6509-8806
MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	.0	.0	.0	.0	.0	.0	.0	.0	5.3
	.0	.0	.0	.0	.0	.0	.0	.0	6.4
	.0	.0							.0*

	.0	.0	.0	.0	.0	.0	.0	.0	.7
	1.0	T-ACC	.0	.0	.0	T-ACC	.0	12.0	33.0
	T-ACC	T-ACC	.0	.0	.0	T-ACC	.4	1.0	10.6
	.0	.0	.0	.0	.0	.0	.0	.1	7.7
	.013	.000	.000	.000	.006	.000	1.021	2.903	7.004
	1023	964	933	997	1003	1077	1050	1045	12356

[illegible] ACCUMULATED PR. 01/02

* MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAF-TAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN
FROM SUMMARY OF DAY DATA

STATION NUMBER: 13[illegible] STATION NAME: UPPER [illegible]
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	.1	TRACE	5.0	TRACE	.0	.0	.0	.0
53	TRACE	1.5	.0	.0	.0	.0	.0	.0
54	1.0	TRACE	2.1	.0	.0	.0	.0	.0
55	4.0	2.5	1.3	.0	1.0	.0	.0	.0
56	.4	1.0	TRACE	.0	.0	.0	.0	.0
57	.1	.1	.0	.0	.0	.0*	.0*	.0*
58								
59	.0	TRACE	.1	.0	.0	.0	.0	.0
60	2.4	4.4	.1	.0	.0	.0	.0	.0
61	.1	TRACE	TRACE	.0	.0	.0	.0	.0
62	2.0	.0	1.0	TRACE	.0	.0	.0	.0
63	3.1	2.4	TRACE	TRACE	.0	.0	.0	.0
64	1.0	2.5	2.5*	TRACE	.0	.0	.0	.0
65	3.0	.0	4.1	*				
66								
67	.0	TRACE	.0	TRACE	TRACE	.0	.0	.0
68	2.0	.4	.0	TRACE	TRACE	.0	.0	.0
69	TRACE	.0	.0	TRACE	TRACE	.0	.0	.0
70	1.0	3.0	.0	.4	.0	.0	.0	.0
71	TRACE	.0	2.0	TRACE	.0	.0	.0	.0
72	3.0	2.2	1.0	TRACE	.0	.0	.0	.0
73	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0
74	TRACE	.0	2.0	.0	.0	.0	.0	.0
75	.1	TRACE	4.0	1.0	.0	TRACE	.0	.0
76	.0	.0	TRACE	.0				.0**
77	2.0	TRACE	.0	TRACE	.0	.0	.0	.0
78	3.0	.0	3.0	.0	.0	.0	.0	.0
79	2.0	3.0	3.0	TRACE	TRACE	.0	.0	.0
80	2.0	TRACE	TRACE	.0	.0	.0	.0	.0
81	.0	4.0	TRACE	3.7	.0	.0	.0	.0
82	3.0	.7	.0	.0	.0	.0	.0	.0
83	1.4	2.7	TRACE	2.4	.0	.0	.0	.0
84	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0
85	1.1	1.2	1.0	TRACE	.0	.0	.0	.0

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] MILDENHALL RAF UK — PERIOD OF RECORD: 5111-5710,5810-6504,6609-6[illegible]
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
							.0	TRACE	TRACE*
[illegible]	.0	.0	.0	.0	.0	.0	5.3	.5	5.3
.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5
.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
.0	1.3	.0	.0	.0	.0	.0	.0	.2	4.0
.1	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
.1	.0	.0*	.0*	.0*	.0*	.0*			.0*
						.0	.0	TRACE	TRACE*
.0	.0	.0	.0	.1	.0	.0	.0	.0	3.6
.0	.0	.0	.0	.1	.0	.0	.0	2.9	4.4
.1	.0	.0	.0	.0	.0	.0	TRACE	5.5	5.5
[illegible]	.0	.1	.0	.0	.0	TRACE	2.9	5.0	5.0
.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4
[illegible]	.0	.0	.0	.0	.0	.0	.7	2.5	2.5*
*									4.1*
					.0*	.0	TRACE	TRACE	TRACE*
	TRACE	.0	.0	.0	.0	.0	TRACE	1.0	1.0
.0	TRACE	.0	.0	.0	.0	.0	.0	3.0	4.0
	TRACE	.0	.0	.0	.0	.0	1.0	1.4	4.5
.4	.0	.0	.0	.1	.0	.0	TRACE	1.0	3.2
	.0	.0	.0	.0	.0	.0	.1	.7	2.0
	.1	.0	.0	.0	.0	.1	TRACE	.0	2.7
	.1	.0	.0	.0	.0	.0	.1	TRACE	.6
.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6
.0	.0	TRACE	.0	.0	.1	.0	.0	.0	4.6
.1				.0*	.0	.0	.0	3.0	3.9*
	.0	.0	.0	.0	.0	.0	TRACE	.0	3.0
.1	.0	.0	.0	.0	.0	.0	TRACE	2.0	3.0
[illegible]	TRACE	.0	.0	.0	.0	.0	TRACE	.1	3.8
.1	.0	.0	.0	.0	.0	TRACE	.3	TRACE	1.0
.7	.0	.0	.0	.0	.0	TRACE	TRACE	4.5	4.5
.1	.0	.0	.0	.0	.0	.0	.0	TRACE	9.0
.1	.0	.0	.0	.0	.0	.0	.0	1.4	2.7
[illegible]	.0	.0	.0	.0	.0	.0	.0	.0	2.0
[illegible]	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.2

OPERATING LOCATION 'AP'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS I.
FROM SUMMARY OF DAY DATA

STATION NUMBER: 13-883 STATION NAME: UPPER MCKENZIE RAP JX
LST TO UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
66	.1	3.4	TRACE	TRACE	.0	.0	.0	.0
67	5.1	TRACE	2.1	.0	.0	.1	.1	.0
68	.1	TRACE	TRACE	TRACE	.0	.0		

GREATEST	5.	5.1	3.4	2.7	1.1	TRACE	.1	.1
TOTAL	1??	9?0	1??2	102?	1?23	??4	??3	?17

THE GREATEST VALUE IS 5.1 OCCURRED IN 01/??/?2

NOTE: HIGH VALUE IS BASED ON A MONTH WITH LESS THAN ??% OF DAT

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] REYFORD AAF [illegible]

PERIOD OF RECORD: 5111-5710,5810-6504,6609-6636
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.0	.0	.0	.0	.0	.0	.0	.7	3.4
.0	.0	.0	.0	.0	.0	.0	.0	3.0
.0	.0							.8*

[illegible]	TRACE	.0	.0	.0	TRACE	5.3	5.5	9.0

1283	994	993	997	1303	1077	1050	1045	12356

[illegible] 01/03/12

* [illegible] LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
FROM SUMMARY OF [illegible] DATA

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible]
LST DIFF FROM UTC: +00

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRACE	.4	[illegible]	3.2	.7				
1	[illegible]	4.1	.4					
2	[illegible]	[illegible]	.4					
3	[illegible]	[illegible]	.4	.1				
4-5	[illegible]	1.3	.4					
6-10	[illegible]		.2					
11-15								
16-20								
21-30								
31-40								
41-50								
OVER 50								
DAYS WITH PRECIP [illegible]	[illegible]	[illegible]	[illegible]	.1				
TOTAL NO. OBSERVATIONS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

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

[illegible] RAPID CR PERIOD OF RECORD: 5111-8406
MONTH: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	98.6	92.2	95.4
.7							.[illegible]	3.2	2.1
							.[illegible]	1.6	.9
								1.3	.6
.1								.7	.4
							.1	.4	.6
								.2	.1
[illegible]									
.1							.[illegible]	4.7	2.6
[illegible]	1049	1032	1052	1075	1060	1100	1091	1095	12876

OPERATING LOCATION: [illegible]
[illegible], ASHEVILLE, NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN
FROM SUMMARY OF [illegible] DATA

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] CAP JK
EST TO UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	1	0	0	TRACE	0	0	0	0
53	TRACE	0	0	0	0	0	0	0
54	TRACE	TRACE	0	0	0	0	0	0
55	M	M	1	0	0	0	0	0
56	0	0	TRACE	0	0	0	0	0
57	TRACE	TRACE	0	0	0	0	0	0
58	M	M	M	M	M	M	M	M
59	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0
61	TRACE	0	0	0	0	0	0	0
62	0	TRACE	TRACE	0	0	0	0	0
63	0	0	0	0	0	0	0	0
64	0	M	M	0	0	0	0	0
65	M	0	0	M	M	M	M	M
66	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0
68	0	TRACE	0	0	0	0	0	0
69	TRACE	0	0	TRACE	0	0	0	0
70	TRACE	TRACE	0	0	0	0	0	0
71	TRACE	0	TRACE	0	0	0	0	0
72	TRACE	TRACE	0	0	0	0	0	0
73	TRACE	TRACE	0	0	0	0	0	0
74	0	TRACE	0	0	0	0	0	0
75	0	0	TRACE	0	0	0	0	0
76	TRACE	1	0	0	0	0	0	M
77	0	0	1	0	0	0	0	0
78	0	TRACE	0	TRACE	0	0	0	0
79	0	4	0	0	0	0	0	0
80	1	0	0	0	0	0	0	0
81	TRACE	4	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0
83	1	0	0	0	0	0	0	0
84	0	TRACE	0	0	0	0	0	0
85	0	0	1	TRACE	0	0	0	0

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

PERIOD OF RECORD: 5111---76
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2	2	2	2	2	2	2	TRACE	3
3	2	2	2	2	2	2	2	4
3	3	3						1*

A 3/30/2

[illegible] DATA AVAILABLE FOR THIS STATION

[illegible] LOCATED IN PAR[illegible]
[illegible], NEW MEXICO

FIRST AND LAST DAYS OF OCCURRENCE [illegible]
[illegible] SUMMARY OF DAY DATA

STATION [illegible] STATION NAME: [illegible]

YEAR	FIRST OF SPRING	FIRST REASONABLE SPRING	FIRST REASONABLE FALL	LAST OF FALL
51 - [illegible]	[illegible] 29	JAN 28	JAN 28	APR 22
52 - [illegible]	[illegible] 17	FEB 26	NOV 29	[illegible] 14
53 - [illegible]	JAN 2	JAN 24		[illegible] 14
54 - [illegible]	[illegible] 27	JAN 28	JAN [illegible]	[illegible] 1
55 - [illegible]	[illegible] 11	[illegible] 19	JAN 31	[illegible] 1
56 - [illegible]	[illegible] 24	[illegible] 24	[illegible]	[illegible]
57 - [illegible]			JAN 31	
[illegible]	[illegible]	JAN 25	JAN 27	[illegible]
[illegible]	JAN 1	JAN 19	JAN [illegible]	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
61 - [illegible]		[illegible]	[illegible]	[illegible]
62 - [illegible]	[illegible]	[illegible] 15	[illegible] 31	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
66 - [illegible]	[illegible]	JAN [illegible]		[illegible]
[illegible]	[illegible]	[illegible]	JAN [illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
71 - [illegible]	[illegible]	[illegible]		[illegible]
72 - [illegible]	[illegible]	JAN [illegible]		[illegible]
73 - [illegible]	[illegible]	[illegible]	[illegible] 1	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
76 - [illegible]	[illegible]	JAN [illegible]		[illegible]
77 - [illegible]	[illegible] 21	JAN 11	JAN 17	[illegible]
[illegible]	[illegible] 29	DEC [illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	JAN [illegible]	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]

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

PERIOD OF RECORD: 5111-8806
SNOW-YEAR: 1 AUG - 31 JUL

FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
JAN 23	APR 02	MAR 30	MAR 30
NOV 29	FEB 14	FEB 14	FEB 15
	MAR 14	MAR 02	
JAN 29	MAY 1	MAY 17	MAR 27
JAN 31	MAR 1	FEB 23	FEB 28
DEC 26	FEB 23	FEB 14	DEC 27
JAN 31			JAN 24
JAN 17		JAN 23	JAN 17
JAN 19	MAR 27	MAR 24	FEB 15
	MAR 31	JAN 29	
DEC 29	MAR 14	MAR 24	JAN 31
MAY 21	APR 12	FEB 23	MAR 02
	APR 14	JAN 14	
	MAR 31	MAR 24	
	MAY 22	MAR 27	
JAN 1	MAY 10	MAR 19	JAN 13
DEC 26	MAY 14	MAR 12	FEB 22
MAY 1	APR 19	APR 12	MAR 11
DEC 25	MAR 26	MAR 02	DEC 27
	APR 10	MAR 11	
	APR 29	JAN 19	
MAY 21	MAR 12	MAR 12	MAR 12
	JUN 02	APR 30	
	MAR 31	FEB 11	FEB 29
DEC 17	APR 29	MAR 29	MAR 29
JAN 17	APR 26	APR 13	MAR 16
DEC 21	MAY 05	MAR 27	MAR 19
JAN 24	MAR 19	JAN 14	JAN 14
FEB 02	MAY 27	APR 26	APR 26

OPERATING LOCATION: [illegible]
USA-[illegible]TAC, ASHEVILLE [illegible]NC

FIRST AND LAST DAYS OF [illegible]
FROM SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: [illegible]

SEASON-YEAR	FIRST 32 DEGREE	FIRST 28 DEGREE	FIRST 24 DEGREE	LAST [illegible]
61 - [illegible]	[illegible] 25	DEC 07	[illegible]	[illegible] 1
[illegible]	[illegible] 13	JAN 31	JAN 31	[illegible]
[illegible]	[illegible] 11	DEC 11	DEC 11	[illegible]
[illegible]	JAN 24	JAN [illegible]	JAN [illegible]	[illegible]
[illegible]	[illegible] 11	JAN 27	JAN [illegible]	[illegible] 1
[illegible]	[illegible] 13	NOV 21	JAN 14	[illegible]
7 - [illegible]	JAN 23	JAN 23	JAN 23	[illegible]

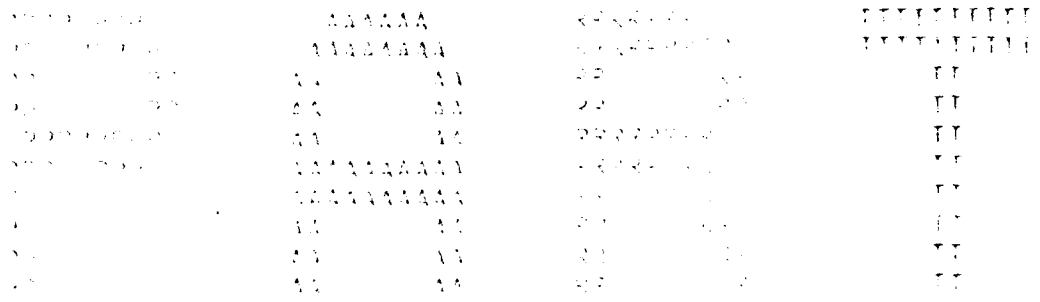
[illegible] - [illegible] [illegible] NOV 21 JAN [illegible] [illegible]

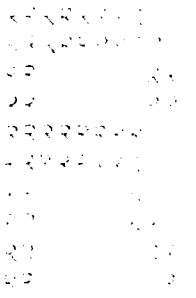
FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

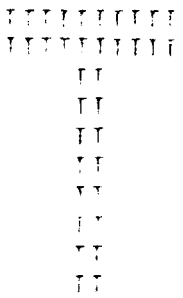
[illegible]

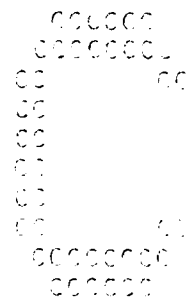
PERIOD OF RECORD: 5111-5206
SNOW-YEAR: 1 AUG - 31 JUL

FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
[illegible]	[illegible]	[illegible]	MAR 15	JAN 17
[illegible]	JAN 31	[illegible]	APR 04	FEB 12
[illegible]	DEC 19	[illegible]	JAN 24	JAN 26
[illegible]	JAN 31	[illegible]	MAR 21	MAR 21
[illegible]	JAN [illegible]	[illegible]	FEB 17	FEB 14
[illegible]	JAN 14	[illegible]	MAR 27	MAR 23
[illegible]	JAN 22	[illegible]	JAN 22	JAN 22
[illegible]	JAN [illegible]	[illegible]	MAR 13	FEB 17









PART C

SURFACE WIND SUMMARIES

...WINDS.
THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. ...
DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE ...
THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS ...
WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TE...
IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE ...
AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ...
GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND T...
PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. ...
A VALUE FOR A MONTH FOR WHICH LESS THAN ... OF THE ...
ASTERISK ALSO PRECEDES A YEAR(S) WITH ...

...WINDS--PERCENT OCCURRENCE FREQUENCY.
...SUMMARY OF DAY DATA. ...
YEARS COMBINED), FOR ELEVEN WIND SPEED ... THE ...
INCLUDES CALM WINDS. IF THE PEAK WIND ... COUNTED AS "CALM," THAT COUNT GOES INTO THE "1-... KNOT" CAT...
...MEANS, MEDIANS, AND TOTAL OBSERVATIONS ...
ACCOUNT FOR A PEAK WIND ...

...DIRECTION, VS WIND SPEED--PERCENT OCCURRENCE FREQ...
...OF TABLES ARE CREATED FROM ... DATA.
THE DATA ARE TABULATED:

- BY ... STATIONS ...
- BY MONTH (ALL YEARS AND ALL ... COMBINED).
- BY YEAR (ALL YEARS AND ALL ... COMBINED).

...IS A TWO-WAY DATA DISTRIBUTION OF THE ... OF OCCURRENCE (%) ... WIND SPEED GROUPS IN 10 ... INTERVALS. "CALM" ... TWO DIMENSIONALLY. ... WIND DIRECTIONS (, , , ... TOTAL OBSERVATIONS, ... MEANS, AND MEDIANS FOR EACH ... OBSERVATION COUNTS, ... POINTS ... DAY.

...DIRECTIONS: A REVERSE WIND ... IS ... FOR SPECIFIED CEILING/VISIBILITY ... THE ...

... THE VISIBILITY IS ... THAN ... THE CEILING MUST BE GREATER THAN ... IF THIS CRITERIA IS NOT MET, THE ... ETC. THE CEILING IS GREATER THAN ... OR EQUAL TO 1/2 (...) BUT ...

...VERSION: 1 KNOT = .51479 METERS PER SEC...

PART C

SURFACE WIND SUMMARIES

...ATE PERIOD SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS.
...COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD
...T IN JULY 1952, ALL STATIONS EXCEPT THOSE OF THE NATIONAL
...-0 RECORDING DIRECTIONS IN TENS OF DEGREES. DATA
...TH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD
... THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE
... FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE
...D THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES
...S WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN
... A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

...ERENCE FREQUENCY.
...DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL
... SEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP
... IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY
...T GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE
...TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY
...D PERIOD RECORDED FOR EACH DAY OF EACH MONTH.

...AND--PERCENT OCCURRENCE FREQUENCY.
...DAILY OBSERVATIONS. THEY SUMMARIZE

...STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

... AND ALL HOURS COMBINED).

... AND ALL HOURS COMBINED).

...DATE DISTRIBUTION OF THE PERCENT OCCURRENCE
...SEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION
...SHORT INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE
...TIONAL WIND DIRECTIONS (0,5,5,0) APPEAR FOR COMPARING
...ES, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBS-
...VED ALONG EACH SUMMARY.

...DISTRIBUTION OF THE DIRECTION VERSUS WIND SPEED
...VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

...IS GREATER THAN OR EQUAL TO 1/2 MILES (800 METERS)
...BUT LESS THAN OR EQUAL TO 200 FEET BUT LESS THAN 1800 FEET.
...NOT MET, THEN THE FOLLOWING CONDITION IS TESTED:
...GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST
...EQUAL TO 1/2 (800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

...(1771 METERS PER SECTOR

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM [illegible] DATA

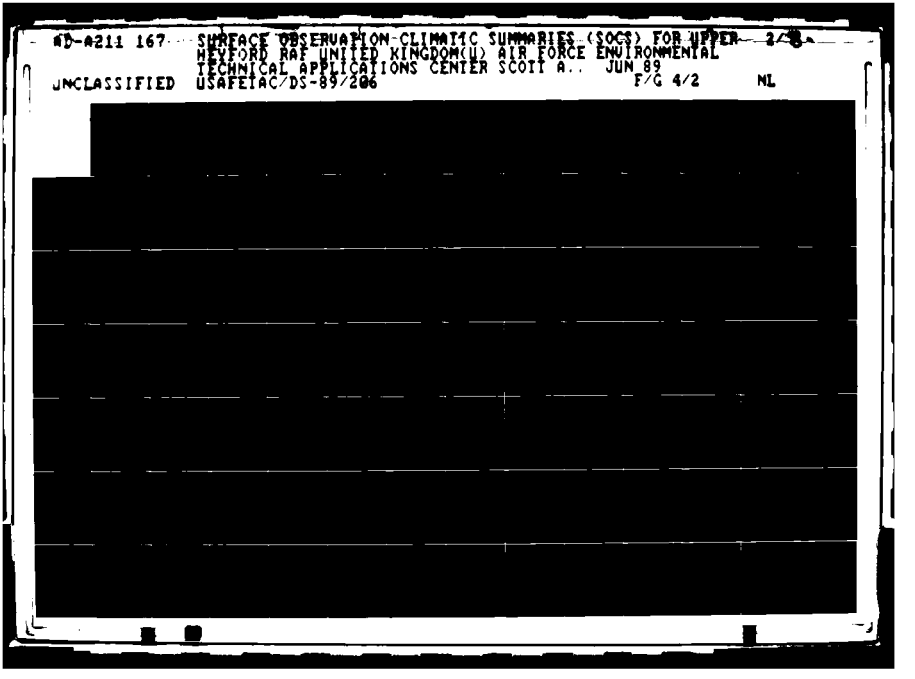
STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: +0[illegible]

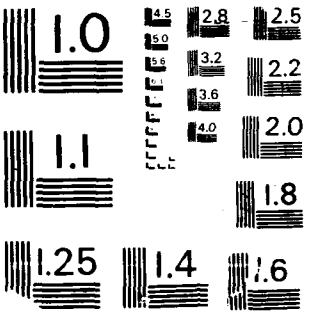
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
59	[illegible]	[illegible]	SSW 42	[illegible] 34	[illegible]	[illegible] 31	[illegible]	[illegible]
60	[illegible] 37	[illegible] 37	[illegible] 33	SSW 40	[illegible]	[illegible] 34	[illegible]	[illegible]
61	[illegible]	[illegible] 47	[illegible]	SSW 33	[illegible] 37	[illegible]	[illegible]	[illegible] *41
62	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 40	[illegible]	[illegible]	[illegible]
63	[illegible]	[illegible]	[illegible] 37	SSW 37	[illegible] 34	[illegible]	[illegible] 27	[illegible]
64	[illegible]	[illegible]	[illegible]	SSE 33	[illegible]	[illegible]	[illegible]	[illegible]
65	[illegible]	[illegible]	[illegible]	[illegible]*43	[illegible]	[illegible]	[illegible]	[illegible]
66	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] *34	[illegible]	[illegible]	[illegible]
67	[illegible]	[illegible] 47	[illegible]	[illegible]	[illegible] 43	[illegible]	[illegible]	[illegible]
68	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 31	[illegible]	[illegible]
69	[illegible]	[illegible]	[illegible] 34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
70	[illegible]	[illegible]	26/ 41	24/ 37	[illegible]	[illegible]	[illegible]	[illegible]
71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
72	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 37	[illegible]	[illegible]	[illegible]
74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 37	[illegible]	[illegible]	[illegible]
76	[illegible]	[illegible]	[illegible]	[illegible] 31				[illegible]
77	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 37	[illegible]	[illegible]	[illegible]
78	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
79	[illegible] 41	[illegible]	[illegible]	[illegible] 21	[illegible]	[illegible]	[illegible]	[illegible]
80	[illegible]	[illegible]	24/ 47	[illegible]	[illegible]	[illegible]	[illegible] 31	[illegible]
81	[illegible]	[illegible]	[illegible]	31/ [illegible]	22/ 31	[illegible]	[illegible]	[illegible]
82	[illegible]	[illegible] 32	[illegible]	[illegible] 41	[illegible]	[illegible]	[illegible]	[illegible]
83	[illegible]	[illegible] 47	[illegible]	[illegible]	24/ 31	[illegible]	[illegible]	[illegible]
84	[illegible]	[illegible]	[illegible]	[illegible] 31	[illegible]	[illegible]	[illegible]	[illegible]
85	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 27	[illegible]	[illegible]	[illegible]
86	[illegible]	[illegible]	22/ [illegible]	[illegible] 41	19/ 37	[illegible] 34	[illegible]	[illegible]
87	[illegible] 47	[illegible] 37	23/ [illegible]	20/ 37	26/ 43	22/ 36	[illegible]	[illegible] 31
88	[illegible]	[illegible] 43	[illegible] 41	4/ 25	19/ 24	[illegible]		

PEAK SURFACE WINDS IN KNOTS
F JM SUMMARY OF DAY DATA

PERIOD OF RECORD: 5213-8606
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
								55/ 30	55/*30
34	45/ 29	44/ 31	51/ 32	55/ 24	54 35	44/ 42	55/ 40	45/ 42	55/ 42
40	39/ 28	54 34	47/ 33	5 / 20	5 33	41/ 32	54 43	54 45	54 42
32	37	42/*29	45/*35	41/*41	54/*35	50/*40	46/*40	54 54	54/*54
33	40	54 35	45/ 33	54 34	5 31	5 39	54 45	44/ 33	44/ 33
37	34	36	55/ 27	45/ 32	51 37	54 34	45/ 31	41/ 36	45/ 51
33	37	42	35/ 33	55/ 33	53/ 40	53/ 35	42	51/ 44	55/ 44
43				43/*33	43	42	45/*45	40/*40	40/*40
35	34/*34	34/*34	41/*41	38	47/ 27	55 39	44	40	44/*44
33	43			45	54/ 40	47/ 39	32	43/ 30	45/*33
34	34	31	34/ 31	33/ 35	38/ 41	38/ 31	34/ 34	27/ 34	33/ 49
41/ 27	32/ 25	42/ 27	32/ 27	38/ 26	34/ 40	31/ 35	33/ 41	1 / 43	27/ 43
37 24/	33	19/ 29	34/ 33	24/ 34	31/ 41	24/ 39	27/ 43	34/ 35	27/ 40
33	19/ 34	24/ 27	35/ 35	21/ 34	37/ 33	24/ 40	19/ 33	21/ 33	34/ 43
37	26/ 42	19/ 31	31/ 3	19/ 33	14/ 41	14/ 32	25/ 31	23/ 41	24/ 55
1	34/ 37	23/ 34	4/ 33	31/ 44	14/ 34	34/ 34	31/ 37	31/ 33	31/ 51
24	31/ 33	7/ 40	24/ 43	24/ 34	22/ 1	33/ 33	2 / 42	33/ 42	24/ 52
34	34/ 37	32/ 44	27/ 24	19/ 24	33/ 40	27/ 34	34/ 36	35/ 34	34/ 46
41				12/*33	41/ 37	17/ 34	33/ 42	17/*32	33/*37
43	24/ 27	34/ 33	24/ 34	23/ 37	33/ 33	33/ 43	37/ 43	23/ 34	34/ 43
	32/ 28	31/ 35	34/ 34	24/ 34	37/ 41	37/ 31	33/ 47	34/ 42	34/ 51
21	33/ 34	34/ 34	7 / 37	24/ 47	34/ 27	11/ 33	34/ 31	37/ 40	4/ 47
43	24/ 34	33/ 33	34/ 31	24/ 33	27/ 33	23/ 34	25/ 37	31/ 33	34/ 47
34	32/ 31	34/ 34	31/ 21	31/ 24	33/ 47	23/ 43	33/ 43	15/ 33	32/ 44
42	33/ 43	24/ 33	34/*34	27/*35	34/ 33	19/ 33	13/ 44	24/ 43	34/*45
41	24/ 31	41/ 24	27/ 23	41/ 34	14/ 41	24/ 44	37/ 43	21/ 43	24/ 54
31	32/ 23	31/ 34	13/ 31	23/ 34	33/ 34	23/ 34	24/ 41	32/ 33	23/ 42
43	24/ 27	23/ 32	34/ 31	34/ 43	33/ 37	23/ 31	33/ 34	31/ 43	21/ 43
41	13/ 37	24/ 34	33/ 33	21/ 33	34/ 33	23/ 43	13/ 43	27/ 45	22/ 40
37	24/ 43	33/ 34	23/ 34	33/ 31	23/ 31	17/ 32	35/ 37	34/ 31	23/ 74
43	13/ 24	31/ 33							33/*43


AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER 1/3
HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89
UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6

[illegible] SURFACE WINDS IN KNOTS
[illegible] YEARS OF DATA

[illegible] YEARS AT [illegible]

PERIOD OF RECORD: 5513-8806
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
[illegible] 43	27/ 49	[illegible]	35	24/ 47	22/ 51	24/ 54	25/ 50	23/ 49	23/ 74
[illegible]	334	334	35	353	375	347	306	12363

[illegible] [illegible] 03/27/87

[illegible] MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
[illegible] WITH LESS THAN [illegible] OF DATA AVAILABLE FOR THE MONTH

[illegible] PERCENTAGE FREQUENCY OF [illegible]

[illegible]

STATE . . . : [illegible] STATION NAME: [illegible] YEARS [illegible]
LST IN UTC: +0)

[illegible]	TOTAL [illegible]	[illegible]	1)-1*	1)-1)	2)-2*	2)-2)	[illegible]	[illegible]	[illegible]
JAN	.)	[illegible]	1).*	21.)	17.1	1*.7	11.)	[illegible]	[illegible]
[illegible]	.	[illegible]	1*.*	2*.*	1).)	1*.)	[illegible]	[illegible]	[illegible]
[illegible]	.1	[illegible]	1*.1	2).*	[illegible]	1*.)	[illegible]	[illegible]	[illegible]
[illegible]	.1	1.	17.*	2*.)	2*.**	1*.1	[illegible]	[illegible]	[illegible]
[illegible]	.1	[illegible]	1*.7	2*.)	2*.*)	1*.**	[illegible]	[illegible]	[illegible]
JU*	.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUL	.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.)	[illegible]	2*.)	[illegible]	2*.)	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	[illegible]	2).*	2*.)	2*.)	11.)	[illegible]	[illegible]	[illegible]
[illegible]	.*	[illegible]	1*.*	2*.)	1*.*	1).1	[illegible]	[illegible]	[illegible]
[illegible]	.*	[illegible]	1*.)	[illegible]	1*.**	.*	[illegible]	[illegible]	[illegible]
[illegible]	.1	[illegible]	1*.*	2*.)	2).)	1*.7	7.1	[illegible]	[illegible]

[illegible] FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
[illegible] SUMMARY OF MAY DATA

[illegible] ALYESKA PAF AK — PERIOD OF RECORD: 5812-8206
[illegible] MONTH: ALL HOURS: ALL

WIND SPEEDS IN KNOTS								MEAN WIND	MEDIAN WIND	TOTAL OBS
-19	20-24	25-29	30-34	35-39	40-49	50-59	60 UP			
1.9	17.1	13.7	10.3	5.5	4.2	.7	.1	21.7	20.0	318
.9	19.5	14.5	9.2	4.1	3.1	.2	.0	20.9	20.0	833
.7	18.6	15.2	8.6	5.1	5.3	.3	.1	22.1	21.0	917
.4	25.4	13.1	7.5	4.3	1.5	.2	.0	20.7	20.0	778
.4	27.5	13.4	5.9	1.5	.4	.0	.0	18.5	18.5	658
.4	25.4	13.7	5.3	.7	.1	.2	.4	18.4	18.0	524
.	30.5	17.7	3.7	.4	.3	.0	.0	17.9	17.0	424
.4	32.7	15.4	8.1	1.7	.4	.4	.0	18.2	17.0	435
.4	31.4	16.3	6.2	2.4	1.5	.1	.1	18.2	18.0	693
.7	22.9	11.2	5.9	2.4	1.4	.3	.0	19.1	19.0	476
.	19.5	13.1	9.1	4.4	3.4	.7	.0	21.4	20.0	343
.4	19.4	14.1	6.3	4.7	3.3	.4	.0	21.1	20.0	434
.9	22.7	13.7	7.1	3.4	2.3	.3	.0	20.1	19.0	10368

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

STATION: UPPER HEYFORD RAF UK   PERIOD OF RECORD: JUL 74 - JUL [illegible]
[illegible]   MONTH: JAN   HOURS: 00-02

WIND SPEED IN KNOTS

[illegible]	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND SPD	MEDIAN WIND SPD
[illegible]	.2								4.5	7.0	[illegible]
[illegible]	.[illegible]	.2							[illegible]	7.[illegible]	[illegible]
[illegible]	.[illegible]	.2	.1						[illegible]	[illegible]	[illegible]
[illegible]	1.[illegible]								[illegible]	[illegible]	[illegible]
[illegible]	.[illegible]								4.1	7.[illegible]	[illegible]
[illegible]	.4	.1							[illegible]	7.[illegible]	[illegible]
[illegible]	.[illegible]	.1							[illegible]	[illegible]	[illegible]
[illegible]	1.[illegible]	1.3	.1						1[illegible].3	[illegible]	[illegible]
[illegible]	[illegible]	.[illegible]							1[illegible]	[illegible]	[illegible]
[illegible]	1.[illegible]	.4	.1						1[illegible].1	10.7	1[illegible]
[illegible]	[illegible]	.2							[illegible].4	10.[illegible]	1[illegible]
[illegible]									.3	[illegible]	[illegible]
[illegible]	.1								.4	11.0	1[illegible]
[illegible]	//////	//////	//////	//////	//////	//////	//////	//////	[illegible].1	//////	//////
[illegible]	11.[illegible]	[illegible]	.3						100.0	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]929

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 73 - JUN 83
[illegible] MONTH: JAN HOURS: 03-05

WIND SPEED IN KNOTS								TOTAL	AVG.	MEDIAN
-1	25-24	25-31	32-38	39-46	47-54	55-63	64/UP	%	WIND	WIND
.6								4.5	5.3	5.0
.7								4.5	6.1	7.0
.6	.3							4.0	6.9	8.0
1.1								4.5	10.2	7.0
.6								4.4	7.1	6.0
.5	.2							4.4	8.2	8.0
.6		.1						7.2	7.6	7.0
1.6	1.0	.4	.1					14.7	11.1	10.0
.6	.2	.2						14.4	10.0	10.0
.4	.3							6.7	11.1	11.0
1.2	.4							10.2	9.6	10.0
.6	.1							7.3	7.1	6.0
	.1	.1	.1					.4	23.2	24.0
//								2.7	//////////	
11.6	2.8	1.2	.2					100.0	6.8	8.0

[illegible] OBSERVATIONS 231

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
3-HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: JAN HOURS: 05-07

WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
1-3	4-6	7-10	11-16	17-21	22-27	28-33	%	KTS	KTS
.1							3.4	5.2	5.0
.1	.1						4.8	7.3	6.0
.	.1						4.2	7.2	7.0
.	.1						5.3	7.5	7.0
.1							4.1	7.1	7.0
.	.1	.1					3.1	7.3	7.0
.1	.1						7.4	7.4	7.5
.	.1	.					15.3	10.2	9.0
.1	.	.1	.1				14.1	13.3	13.0
.1	.1		.1				9.4	13.3	12.5
.1		.1					4.7	4.7	11.0
.1							4.4	7.2	7.0
							.2	7.3	7.3
//							4.7	//////////	
.	1.1	.4					100.0	7.4	8.0

[illegible] OBSERVATIONS 230

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible] : JAN[illegible] TO YE[illegible] 1[illegible] 19[illegible] PERIOD OF RECORD: JUL 7[illegible] - JU[illegible]
[illegible] - [illegible] MONTH: JAN HOUR-S: 13-14

WIND DIRECTION	WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
	1-3	4-6	7-10	11-16	17-21	22-27	28 OR MORE			
[illegible]	[illegible]							6.1	[illegible]	[illegible]
[illegible]	[illegible]							4.4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]
[illegible]	[illegible]							[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				1[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			1[illegible]	12.7	12.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				11.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]
[illegible]	[illegible]							11.1	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]

[illegible] [illegible] [illegible] [illegible]

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

[illegible] PERIOD OF RECORD: JUL 74 - JUN 75
MONTH: JAN HOURS: 16-17

WIND DIR	WIND SPEED (KNOTS) 00-24	25-34	35-44	45-54	55-64	65-99	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]		.1					[illegible]	[illegible]	[illegible]
[illegible]	.1						[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
[illegible]	.5						[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
[illegible]	.2						[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.2					[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	.1				[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.1		.1			[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
	.2						.4	15.0	14.5
//////////	//////////	//////////	//////////	//////////	//////////	//////////	[illegible]	//////////	//////////
[illegible]	3.8	1.1	.1	.1			100.0	9.3	9.0

[illegible] OF OBSERVATIONS [illegible])

[illegible] STABILITY CLASS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]

[illegible] FROM [illegible] STATIONS

STATION NAME: [illegible] STATION NAME: UPPER [illegible]

EST TOWER: - 0 [illegible]

WIND SPEED IN KNOTS										
WIND DIR. (FROM)	1-3	4-7	11-14	15-17	22-24	25-27	28-31	32-34	35-37	[illegible]
(1) 33-35	1.3	.3	1.4	.3	.1					
36-38	1.4	2.4	1.	.3	.1					
[illegible]	.4	2.7	1.2	.2						
(2) [illegible]	1.1	1.	1.4	1.1	.2					
11-13	1.	1.4	1.2	.2	.1					
14-16	.4	1.2	1.1	.1	.1					
(3) 17-19	.4	2.1	1.4	.2						
20-22	.2	.7	3.	1.7	.5	.1				
[illegible]	1.	.3	.4	2.4	.3	.1				
(4) [illegible]	1.4	2.2	4.2	1.4	.5	.4				
[illegible]	1.2	3.4	2.2	.4		.1				
[illegible]	.4	4.2	1.1	.4						
VARIABLE		.3		.3						
CALM	//									
TOTALS	7.2	35.1	24.4	10.2	2.4	.7				

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: JAN — HOURS: 13-20

WIND SPEED IN KNOTS

-2[illegible]	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.[illegible]	.1							4.7	[illegible].3	6.0
.[illegible]	.1							5.2	7.9	6.0
.[illegible]								5.3	[illegible].3	7.0
.[illegible]	.2							4.3	10.3	10.5
.	.1							4.5	7.1	6.5
.[illegible]	.1							4.7	6.5	5.0
.								3.3	6.6	6.0
.7	.5	.1						14.5	[illegible].9	9.0
.[illegible]	.[illegible]	.1						16.1	9.9	9.0
.[illegible]	.5	.4						11.3	11.7	12.0
.		.1						7.7	9.0	8.0
.[illegible]								7.5	7.1	7.0
.[illegible]								.6	13.5	13.5
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.[illegible]	//////////	//////////
.[illegible]	2.[illegible]	.7						100.0	[illegible].4	[illegible].0

NUMBER OF OBSERVATIONS [illegible]30

OPERATING LOCATION MAP [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND [illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK [illegible]
LST TO UTC: + 0 MONTH: JAN

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	[illegible]
(N) 350-01[illegible]	1.[illegible]	1.3	1.[illegible]	.2						
[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.1					
[illegible]	1.[illegible]	[illegible].2	1.7	.3	.3					
(E) [illegible]	1.1	[illegible]	[illegible]	1.[illegible]						
11[illegible]	1.1	.[illegible]	.[illegible]	.[illegible]						
[illegible]	[illegible]	1.[illegible]	1.[illegible]	.2						
(S) 170-1[illegible]	1.	[illegible]	[illegible]	.[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	1.3	.[illegible]					
[illegible]	1.[illegible]	[illegible]	[illegible]	2.[illegible]	.[illegible]	.[illegible]	.1			
(W) [illegible]	1.[illegible]	[illegible]	[illegible].1	1.2	.[illegible]	.[illegible]				
[illegible]	.[illegible]	3.[illegible]	1.[illegible]	1.1	.1					
[illegible]	[illegible]	[illegible]	1.3	.2		.1				
VARIABLE			.[illegible]	.1	.[illegible]					
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	31.	[illegible]	[illegible]	9.7	2.3	.[illegible]	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

...CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
...M HOURLY OBSERVATIONS

...RD AFB UK PERIOD OF RECORD: JUL 75 - JUN 84
MONTH: JAN HOURS: 21-23

SPEED IN KNOTS ... 22	23-33	34-39	40-49	50-54	55-65	TOTAL %	MEAN WIND	MEDIAN WIND
						4.3	8.0	6.5
						5.3	6.3	6.0
						6.2	6.3	7.0
						4.5	8.1	7.0
						3.1	6.1	7.0
						3.4	5.1	4.0
						7.2	7.0	7.0
						15.7	8.6	7.5
.4	.1					15.5	15.5	15.5
.5						11.1	10.6	10.0
						7.2	9.4	9.0
.1						4.4	9.2	8.0
.5						.3	15.0	13.0
//						4.5	//////////	
.9	.1					100.0	8.5	8.0

OBSERVATIONS 929

OPERATING LOCATION: MAW
USAFETAC, ASH WILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: JACKSONVILLE NAF (MA
LST TO UTC: - 5

PERIOD:
MONTH: JA

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-
(N) 350-010	1.4	1.2	1.8	.2	.0	.0				
020-040	1.[illegible]	2.2	.[illegible]	.7	.1					
050-070	1.[illegible]	2.[illegible]	1.7	.4	.1	.1				
(E) 080-100	1.[illegible]	1.[illegible]	1.1	.9	.2					
110-130	1.[illegible]	1.[illegible]	.7	.3	.1					
140-160	2.1	1.[illegible]	.7	.2	.1	.0				
(S) 170-200	[illegible]	3.2	1.7	.5	.1	.0	.0			
210-230	[illegible]	[illegible]	[illegible]	1.7	.[illegible]	.3	.0			
240-260	1.[illegible]	[illegible]	[illegible]	[illegible]	.7	.1	.1	.0		
(W) 270-290	.[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.3	.1			
300-320	1.[illegible]	[illegible]	.[illegible]	1.[illegible]	.3	.1	.0			
330-350	[illegible]	[illegible]	1.[illegible]	.[illegible]	.1	.0				
VARIABLE	.1	.2	.2	.1	.1	.0	.0			
CALM	//									
TOTALS	[illegible].1	[illegible].[illegible]	29.[illegible]	11.[illegible]	[illegible].1	.9	.2			

TOTAL NUMBER OF OBSERVATIONS [illegible]

...NCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
...M HOURLY OBSERVATIONS

...TION RAF UK PERIOD OF RECORD: JUL 78 - JUN 84
MONTH: JAN HOURS: ALL

SPEED IN KNOTS									
.	34-36	37-39	40-42	43-46	GE 47	TOTAL	MEAN	MEDIAN
						%	WIND	WIND
.	.0					4.6	7.8	7.0
.						5.3	7.6	6.0
.	.1					5.3	8.9	8.0
						4.9	7.4	7.0
						3.9	7.4	6.0
.	.0					4.9	6.4	6.0
.	.	.				7.6	7.9	7.0
.	.9	.0				14.9	9.7	9.0
.	.1	.1	.0			15.7	10.7	10.0
.	.3	.1				13.6	12.2	12.0
.	.1		.0			9.6	10.9	10.0
.	.0					9.0	7.4	7.0
.	.0	.0				.6	12.6	12.0
//						4.9	//////////	
.	.0	.0				100.0	9.0	8.0

...S = RATIOS 784)

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

[illegible] KEY-ORD AFB OK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JAN HOURS: ALL

(1) CEILING LESS THAN 1,000 FEET AND/OR VISIBILITY LESS THAN 3 MILES (4800 METERS).

(2) CEILING LESS THAN 3,000 FEET BUT NOT LESS THAN 1,000 FEET AND/OR VISIBILITY LESS THAN 5 MILES (8000 METERS) BUT NOT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS									
1-24	25-31	32-38	39-47	48-54	55-63	GE 64	TOTAL	MEAN	MEDIAN
							%	MPH	MPH
.1							9.2	7.7	6.9
.3							5.3	5.5	5.0
.4	.3						7.5	10.4	10.3
.4							8.4	10.2	11.0
.1							4.5	7.7	7.7
.2	.1						7.5	9.1	7.0
.2							11.5	9.2	8.0
1.2	.7	.1					13.8	11.1	12.0
.4							9.1	11.7	12.0
							1.1	5.4	7.0
							3.3	7.1	7.0
.1	.1						3.5	6.9	6.0
//							4.0	//////////	
3.2	1.1	.1					100.0	8.9	8.0

[illegible] OF OBSERVATIONS 1434

A.. FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
[illegible] OBSTN: FSD HOURS: 00-02

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	03-06	07-10	11-16	17-21	22-27	28-33	34 OR MORE			
[illegible]								6.2	7.0	6.0
[illegible]	.1							10.0	6.1	7.0
[illegible]	.[illegible]							1[illegible].[illegible]	[illegible].[illegible]	[illegible].0
[illegible]	.[illegible]	.1						1[illegible].1	.	[illegible].0
[illegible]								8.[illegible]	7.5	7.0
[illegible]	.[illegible]							5.7	[illegible].[illegible]	[illegible].0
[illegible]	.[illegible]							[illegible].[illegible]	[illegible].8	7.0
.1	.[illegible]							11.[illegible]	[illegible].4	7.[illegible]
[illegible]	.[illegible]	.[illegible]						[illegible].1	11.1	11.0
[illegible]	.	.1						[illegible].1	[illegible].[illegible]	[illegible].[illegible]
[illegible]	.[illegible]							[illegible].1	[illegible].[illegible]	[illegible].[illegible]
[illegible]								[illegible].7	[illegible].[illegible]	[illegible].0
		.1						.1	[illegible].[illegible]	35.[illegible]
//								[illegible].4	////////////	
[illegible]	.	.[illegible]						1[illegible].[illegible]	[illegible].[illegible]	7.[illegible]

[illegible] OF OBSERVATIONS [illegible]69

[illegible] FREQUENCY OF [illegible] WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY [illegible]

[illegible]   PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
                                             MONTH: FEB   HOURS: 03-05

WIND SPEED IN KNOTS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TOTAL %	MEAN WIND	MEDIAN WIND
.[illegible]	.1							5.[illegible]	[illegible].1	7.0
.[illegible]	.4							[illegible].5	7.7	7.0
1.[illegible]	.[illegible]	.[illegible]						13.5	10.5	11.0
.[illegible]	.1							10.7	[illegible].5	[illegible].0
.[illegible]								4.7	6.[illegible]	6.0
								5.4	[illegible].0	6.5
.[illegible]	.1							[illegible].[illegible]	[illegible].[illegible]	7.[illegible]
.[illegible]	.[illegible]							[illegible].[illegible]	7.5	[illegible].0
.[illegible]	.7							[illegible].6	1[illegible].3	1[illegible].0
.[illegible]	.4	.[illegible]						[illegible].[illegible]	1[illegible].3	[illegible].0
.[illegible]	.[illegible]							[illegible].[illegible]	[illegible].[illegible]	[illegible].0
.[illegible]	.1							7.4	6.3	6.0
.1								.6	11.5	1[illegible].0
/////////	/////////	/////////	/////////	/////////	/////////	/////////	/////////	[illegible].1	//////	//////
[illegible].1	[illegible].[illegible]	.[illegible]						100.0	7.0	-

[illegible] OBSERVATIONS [illegible]

[illegible] PERCENTAGE FREQUENCY OF OCCURRENCE BY STABILITY CLASS AND WIND SPEED

STATION [illegible]: [illegible] STATION NAME: GREEN RIVER/WAR EAGLE YEAR: [illegible]
LST TIMIC: - 0 MONTH: 7

STABILITY CLASS (PASQUILL)	WIND SPEED IN KNOTS 1-4	5-8	9-12	13-18	19-24	25-31	32-38	39-46	47-54	55-
(A) [illegible]	[illegible]	4.3	1.3	.5	.2					
[illegible]	[illegible]	6.2	1.4	.7						
[illegible]	[illegible]	6.2	4.4	2.2	.1	.1				
(D) [illegible]	[illegible]	5.2	3.4	.3						
[illegible]	[illegible]	[illegible]	.4							
[illegible]	[illegible]	[illegible]	1.1							
(G) [illegible]	[illegible]	2.2	2.2							
[illegible]	[illegible]	[illegible]	3.1	.4						
[illegible]	[illegible]	5.2	1.4	1.4	.4					
(I) [illegible]	[illegible]	4.2	1.4	.2	.7					
[illegible]	[illegible]	2.2	1.1	.2						
[illegible]	[illegible]	3.4	.2	.4	.1					
[illegible]		.1		.2	.1					
TOTAL	//									
TOTALS	[illegible]	44.7	23.1	9.1	1.4	.1				

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: [illegible] HOURS: 06-08

WIND SPEED IN KNOTS										
1-24	25-29	30-34	35-39	40-49	50-64	65	TOTAL %	MEAN WIND	MEDIAN WIND
.2							8.4	7.5	6.0
							8.4	7.6	7.0
.1	.1						14.7	10.3	10.0
							9.9	8.4	7.0
							4.6	5.0	5.0
							5.7	5.9	5.0
							8.4	7.5	8.0
							6.8	6.2	6.0
.4							3.5	7.7	7.0
.7							5.2	11.4	9.0
							4.9	7.3	7.0
.1							7.1	8.9	8.0
.1							.5	16.3	13.0
//							5.7	//////////////	
1.5	.1						100.0	7.9	6.0

[illegible] OF OBSERVATIONS 849

[illegible] LOCATION MAP PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE [illegible]
[illegible], ATTEVILLE NC FOR [illegible] JULY [illegible] OBSERVATIONS

STATION NUMBER : [illegible] STATION NAME: [illegible] [illegible]
LAT LONG: - - [illegible]

CEILING (HUNDREDS OF FEET)	WIND SPEED IN KNOTS 1-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47
(A) [illegible]	1.1	2.9	3.1	.5	.1			
[illegible]	..	5.1	1..	.1	.4			
[illegible]	.	..	..1	3.2	.4			
(C) [illegible]	1.3	4.1	4..	2.1	.1			
[illegible]	1..	3..	..	.2				
[illegible]	.1	2..	..					
(X) [illegible]	..	1..	1.1	..	.4			
[illegible]	..	..	3..	1.1	.2			
[illegible]	1.	..	2..	1..	..			
(G) [illegible]	.	1..	2.1	..	1.1	.1		
[illegible]	..	1..	..	..	.1	..		
[illegible]	3..	5..	1.	..	..			
VARIABL		..	..	.4	.1			
CALM	//							
TOTAL	1 .1	35..	27..	11..	3..	..		

TOTAL NUMBER OF OBSERVATIONS [illegible]

...F FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

...: ...ARD AFB OK PERIOD OF RECORD: JUL 73 - JUN 83
... 2 MONTH: FEB HOURS: 09-11

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
-19	20-24	25-29	30-34	35-39	40-49	50-64	65 & >	%	WIND	WIND
.2	.1							7.4	9.2	9.0
.1	.4							6.7	8.0	8.0
.2	.4							13.1	10.9	10.0
.1	.1							11.9	10.2	10.0
.2								5.9	5.9	5.0
								5.3	5.1	5.0
.2	.4							7.4	7.6	8.0
.1	.2							9.3	9.7	10.0
.2	.4							7.2	11.0	11.0
.2	1.1	.1						5.7	11.4	11.0
.2	.1	.2						3.9	13.2	9.0
.2	.2							7.4	8.2	8.0
.4	.1							1.6	11.4	10.0
//								4.4	//////////	
1.2	3.0	.3						100.0	9.0	9.0

...BER OF OBSERVATIONS = 949

OPERATING LOCATION #[illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND [illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]   STATION NAME: [illegible]
LST TO UTC: - 0

PERIOD: [illegible]
MONTH: [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4?
(N) 350-010	.4	3.[illegible]	1.[illegible]	1.3	.1				
020-040	.[illegible]	2.[illegible]	2.[illegible]	.1	.4				
050-070	.	3.[illegible]	[illegible].[illegible]	3.1	.1				
(E) 080-100	.7	4.[illegible]	3.[illegible]	[illegible].1	.[illegible]				
110-130	1.[illegible]	[illegible].1	2.1	1.1					
140-160	1.	3.4	1.[illegible]						
(S) 170-190	1.4	2.7	[illegible].[illegible]	.[illegible]	.4				
200-220	1.[illegible]	3.[illegible]	[illegible].[illegible]	1.[illegible]	.[illegible]	.1			
230-250	.[illegible]	1.[illegible]	3.7	1.[illegible]	.7				
(W) 260-280	.7	1.[illegible]	[illegible].4	1.[illegible]	.5	.4			
290-310	.[illegible]	.[illegible]	1.1	1.[illegible]	.1	.1			
320-340	.	2.[illegible]	[illegible].1	.[illegible]	.4				
VARIABLE		.7	.[illegible]	.[illegible]	.4				
CALM	//////////								
TOTALS	11.[illegible]	33.4	32.[illegible]	16.0	4.2	.7			

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] NAME: [illegible] ABYEJRO NAF UK PERIOD OF RECORD: JUL 7[illegible] - JU[illegible]
[illegible]TC: - 0 MONTH: FEB HOURS: 12-14

	WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
[illegible]	15-19	20-24	25-29	30-34	35-39	40-47	48-64	GE 65	%	WIND	WIND
[illegible]	1.3	.1							7.4	9.3	9.0
[illegible]	.1	.4							5.9	9.2	9.0
[illegible]	3.1	.1							13.1	11.5	12.0
[illegible]	[illegible].1	.5							10.4	11.1	12.0
[illegible]	1.1								7.2	[illegible].8	9.0
[illegible]									[illegible].4	6.5	7.0
[illegible]	[illegible]	.4							7.9	9.4	9.0
[illegible]	1.5	.5	.2						[illegible].3	10.5	10.0
[illegible].7	1.6	.7							[illegible].7	11.7	12.0
[illegible].5	1.9	.5	.4						6.2	12.4	12.5
[illegible].1	1.5	.1	.1						[illegible].1	12.3	14.0
[illegible].1	[illegible].5	.4							[illegible].5	9.3	[illegible].0
[illegible]	[illegible].5	.4							2.5	13.0	12.0
//									1.3	//////////	
[illegible].5	14.0	4.2	.7						100.0	10.2	10.0

TOTAL NUMBER OF OBSERVATIONS 940

OPERATING LOCATION "A"
ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE BY SPEED AND DIRECTION
FROM HOURLY OBSERVATIONS

STATION NO : 13873 STATION NAME : UPPER MEYSEO MAP 36 PAGE 1
GMT TO MTC: - 0 MONTH:

WIND DIRECTION (DEGREES)	WIND SPEED IN KNOTS								
	1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-47
(A) 350-01	1.1	3.4	1.0	.3					
020-04	.5	4.0	3.1	.9	.2				
050-07	1.7	3.7	4.3	2.7	.4				
(B) 080-10	1.2	3.3	3.5	1.5					
110-13	1.2	3.1	1.9	.1					
140-16	1.2	3.2	1.1	.4					
(C) 170-19	1.4	4.3	1.7	.7	.2				
200-22	1.3	2.7	3.1	1.4	.2	.2			
230-25	1.1	2.3	2.4	1.3	.4	.1			
(D) 260-28	.3	2.7	3.1	1.4		.2			
290-31	.6	1.7	1.1	.1	.4	.1			
320-34	1.1	1.5	1.3	.3	.2				
VARIABLE		.1	.3	.2					
CALM	//								
TOTALS	14.3	46.2	32.3	13.3	2.3	.2			

TOTAL NUMBER OF OBSERVATIONS 743

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

STATION NAME: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUL 84
TIME ZONE: - 0 MONTH: FEB HOURS: 15-17

	WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	%	WIND	WIND
1.4	.3								5.7	7.5	5.0
.1	.9	.2							9.4	9.6	9.0
.3	2.7	.4							14.5	10.6	11.0
.9	1.5								10.1	9.3	10.0
1.3	.1								5.7	5.6	7.0
1.1	.4								5.9	7.4	7.0
1.	.7	.2							7.5	8.3	8.0
.1	1.4	.2	.2						9.1	10.3	10.0
.4	1.0	.4	.1						7.0	10.5	11.0
.1	1.4		.2						7.9	11.0	11.0
1.1	.6	.4	.1						4.7	10.4	9.0
1.4	.7	.2							5.1	9.7	9.0
.	.5								1.1	14.1	14.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.3	//////////	//////////
.2	13.5	2.0	.2						100.0	9.3	9.0

TOTAL NUMBER OF OBSERVATIONS 949

OPERATIONS BRANCH, NAM
JSAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE: SURFACE WIND
FROM APPLY 0830 2130 LST

STATION NO.: 13868 STATION NAME: JOPPA MUNICIPAL AIRPORT
EDT TO UTC: + 0

(KNOTS)	WIND SPEED IN KNOTS									
	1-3	4-7	8-10	11-16	17-21	22-27	28-33	34-40	41-47	
(N) 350-010	1.1	3.4	.9	.5	.1					
020-040	1.3	4.2	2.3	1.2						
050-070	1.1	4.3	3.5	2.4	.1					
(E) 080-100	2.5	4.3	3.2	1.4						
110-130	1.7	2.9	1.4	.4	.1					
140-160	.1	1.3	.3	.1						
(S) 170-190	1.1	2.7	2.4	.2	.4					
200-220	.3	1.3	2.7	1.1	.4					
230-250	1.3	3.1	3.7	.3	.7					
(W) 260-280	1.1	3.4	1.	.2	.4					
290-310	1.3	1.3	1.3	.4						
320-340	.1	1.3	1.1	.3						
VARIABLE				.4	.1					
CALM	//									
TOTALS	23.4	37.7	28.3	10.1	2.2	.1				

TOTAL NUMBER OF OBSERVATIONS 1440

...ASE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
...FROM SUPPLY OBSERVATIONS

...: ...ARYLAND RAF ... PERIOD OF RECORD: JUL 7 - JUL ..
...: - ... MONTH: FEB HOURS: 13-20

	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
...-13	14-18	19-23	24-28	29-33	34-43	44-54	55-65			
.7	.1							7.4	7.9	6.0
1.3								7.3	5.4	5.0
3.4	.1							13.7	12.3	11.0
1.4								11.9	8.5	8.0
.4	.1							6.9	7.4	6.0
.1								5.1	5.0	5.0
.2	.4							6.9	9.3	9.0
1.1	.4							13.5	9.4	7.0
.3	.7							9.2	10.2	9.0
.2	.4							5.7	9.4	9.0
.4								5.2	5.4	5.0
.3								5.7	7.5	5.0
.4	.1							.5	13.3	15.5
//								4.9	//////////	
1...1	2.2	.1						100..	8.2	8.0

...L NUMBER OF OBSERVATIONS = 947

JOINT FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM [illegible] STATION

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUL [illegible]
MONTH: FEB HOURS: 21-23

WIND DIRECTION	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56 OR MORE	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]												[illegible]	7.1	5.0
[illegible]												[illegible].2	[illegible].0	3.0
[illegible].1	.1											1[illegible].3	[illegible].0	10.0
1[illegible].3												10.0	[illegible].6	[illegible].0
[illegible].2	.2											[illegible].3	7.[illegible]	7.[illegible]
.1												[illegible].1	[illegible].[illegible]	[illegible].0
.[illegible]	.2											7.4	[illegible].2	[illegible].[illegible]
1.2	.[illegible]	.1										[illegible].7	[illegible].2	7.5
1.[illegible]	.[illegible]	.1										[illegible].1	[illegible].[illegible]	1[illegible].0
.[illegible]	.4	.2										[illegible].5	[illegible].7	7.[illegible]
.[illegible]												4.7	[illegible].[illegible]	[illegible].0
.												[illegible].[illegible]	[illegible].0	[illegible].0
.1												.1	17.0	17.0
[illegible]												[illegible].0	[illegible]	
[illegible].0	1.7	.4										10[illegible].0	[illegible].1	[illegible].0

TOTAL NUMBER OF OBSERVATIONS [illegible]40

[illegible] FREQUENCY OF OCCURRENCE- SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: FEB HOURS: ALL

	WIND SPEED IN KNOTS									
[illegible]	20-24	25-29	30-34	35-39	40-43	50-54	OVER 55	TOTAL	MEAN WIND	MEDIAN WIND
[illegible]	[illegible]							7.1	[illegible].1	7.0
[illegible]	[illegible]							[illegible].4	[illegible].4	[illegible].0
[illegible]	[illegible]	[illegible]						14.3	13.3	13.0
[illegible]	.1	.						13.7	[illegible].3	9.0
[illegible]	[illegible]							[illegible].0	7.2	[illegible].0
[illegible]	.							[illegible].0	[illegible].3	[illegible].0
[illegible]	.3							7.0	[illegible].5	8.0
[illegible]	[illegible]	.1						[illegible].7	[illegible].1	[illegible].3
[illegible]	[illegible]	.1						[illegible].5	13.[illegible]	10.0
[illegible]	[illegible]	.2						[illegible].9	13.6	10.0
[illegible]	.1	.1						4.7	[illegible].9	[illegible].0
[illegible]	[illegible]							[illegible].6	7.[illegible]	[illegible].0
[illegible]	.1	.2						[illegible].4	13.6	12.0
//								4.7	//////////	
[illegible]	[illegible].7	.[illegible]						100.0	[illegible].6	8.0

[illegible] OF OBSERVATIONS [illegible]742

OPERATING LOCATION: MAW
ISABELLA, ASI WILL[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 93[illegible] STATION NAME: UPPER MICHIGAN AP MI
LST TO UTC: - 6 PERIOD:

CEILING AND VISIBILITY OF 200 FEET OR GREATER BUT LESS THAN 1500 FEET AND/OR VISIBILITY OF 1/2 MILE (800 METERS) OR GREATER BUT LESS THAN 3 MILES (4.8 KM)

CEILING (FEET)	VISIBILITY (STATUTE MILES)	WIND SPEED IN KNOTS						
		1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-47
(5)	350-310	1.4	3.4	1.3	.6					
	[illegible]	1.1	4.3	2.7	1.1	.1				
	[illegible]	.7	.9	.1	2.1	.3				
(4)	[illegible]	1.5	.3	4.1	1.3					
	[illegible]	.7	.7	1.	.2					
	[illegible]	2.1	2.7	1.3	.4	.1				
(5)	[illegible]	.3	2.7	4.3	.4	.3				
	[illegible]	.9	3.	4.7	1.3	.2				
	[illegible]	.1	1.1	1.	.1	.3				
(4)	[illegible]	.7	.1		.1					
	[illegible]	.1	.3	.2	.2					
	[illegible]	.1	1.9	.7	.4					
VARIABLE										
CALM	//									
TOTALS		21.1	34.4	23.7	9.6	1.9				

TOTAL NUMBER OF OBSERVATIONS 1273

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

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 84
MONTH: FEB — HOURS: ALL

(1) 1500 FEET WITH VISIBILITY OF 1/2 MILE (800 METERS).
(2) (800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

WIND DIR	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-47	48-54	55 OR MORE	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]								5.5	7.9	8.0
[illegible]	.0							10.2	10.6	9.0
[illegible]	.3							15.1	10.0	10.0
[illegible]								13.1	8.1	9.0
[illegible]								7.3	8.1	8.0
[illegible]	.1							7.7	8.6	9.0
[illegible]	.3							9.3	9.0	9.0
[illegible]	.2							10.4	9.5	10.0
[illegible]	.3							4.9	10.7	12.0
.1								.9	4.2	4.0
[illegible]								1.4	6.1	4.0
[illegible]								5.1	6.3	6.5
//								6.2	//////////	
[illegible]	1.8							100.0	8.2	8.0

NUMBER OF OBSERVATIONS 1973

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND [illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]3 STATION NAME: UPPER HEYFORD [illegible] UK [illegible]
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
				WIND SPEED IN KNOTS					
(N) 350-010	[illegible]	2.2	[illegible]	.3					
020-040	[illegible]	[illegible]	[illegible]	.1					
050-070	[illegible]	1.6	1.4	[illegible]					
(E) 080-100	[illegible]	[illegible]	[illegible]	.3					
110-130	[illegible]	[illegible]	[illegible]	.1					
140-160	[illegible]	[illegible]	.1	.3	.1				
(S) 170-190	[illegible]	[illegible]	[illegible]	.4	.9				
200-220	[illegible]	[illegible]	4.1	1.2	1.1	.2			
230-250	[illegible]	7.3	[illegible]	[illegible]	[illegible]				
(W) 260-280	[illegible]	2.4	3.1	.5	.1	.1			
290-310	[illegible]	[illegible]	2.7	.3	.1				
320-340	[illegible]	3.0	[illegible]	.5	.4				
VARIABLE		.1			.5				
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	21.7	[illegible]	[illegible]	[illegible]	[illegible]	.3			

TOTAL NUMBER OF OBSERVATIONS [illegible]

QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: MAR HOURS: 00-02

WIND SPEED IN KNOTS									
[illegible]	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.5	7.4	6.0
							7.2	7.5	7.0
							4.1	9.2	9.5
							2.0	8.4	9.0
							4.3	7.2	7.0
.1							5.1	6.3	6.0
.5							7.2	9.0	9.0
1.1	.2						15.4	9.4	8.0
.9							16.5	8.8	8.0
.1	.1						7.5	9.0	9.0
.1							11.0	7.6	7.0
.4							7.3	7.3	6.0
.3							.4	17.8	20.5
//							5.7	//////////	
3.7	.3						100.0	7.8	7.0

[illegible] OBSERVATIONS 339

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36573 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
					WIND SPEED IN KNOTS				
(N) 350-010	1.3	1.4	.5	.1	.1				
020-040	.7	2.3	1.5	.7					
050-070	.4	1.7	1.4	.5	.1				
(E) 080-100	.5	.5	.5	.2					
110-130	1.0	2.4	.5						
140-160	2.3	1.9	1.1	.2					
(S) 170-190	2.5	3.2	1.7	.8	.3	.1			
200-220	4.9	5.0	3.0	1.5	.2	.2			
230-250	1.9	7.7	4.2	1.3	.	.[illegible]			
(W) 260-280	1.9	3.[illegible]	2.6	1.2	.2				
290-310	1.2	5.5	2.4	.5	.2	.1			
320-340	3.7	4.1	1.0	.[illegible]	.3				
VARIABLE			.3	.5					
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	22.1	41.3	21.0	8.0	2.2	.5			

TOTAL NUMBER OF OBSERVATIONS 930

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] AF JM PERIOD OF RECORD: JUL 73 - JUN 8[illegible]
MONTH: MAR HOURS: 03-05

SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
						4.0	5.4	5.0
						6.0	8.4	7.0
						4.2	8.5	8.0
						2.2	8.1	8.0
						3.9	6.2	6.0
						5.1	6.2	6.0
.1						3.5	6.0	6.0
.2						15.7	8.4	7.0
..						15.1	9.5	8.0
						3.4	8.3	8.0
.1						9.7	8.1	7.5
						7.[illegible]	7.0	6.0
						.9	14.3	15.0
//						4.6	//////////	
.6						100.0	7.9	7.0

OBSERVATIONS 930

OPERATING LOCATION: "A"
ASHEVILLE, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE W
FROM HOURLY OBSERVATIONS

STATION NUMBER: 03812 STATION NAME: UPPER HEYWARD TAB
LST TO UTC: - (

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(1) 350-010	1.5	1.1	.9	.2					
020-040	1.3	2.5	1.5	.5					
050-070	.5	1.1	2.1	.3	.2				
(2) 080-100	.5	.4	.1						
110-130	1.1	1.1	.4	.2	.1				
140-160	2.1	3.3	1.2						
(3) 170-190	3.3	3.7	1.3	.6	.3				
200-220	4.3	5.3	5.1	2.3	.4	.4			
230-250	1.	.1	.7	1.1	.5	.1			
(4) 260-280	1.3	3.1	2.1	.3	.4				
290-310	1.6	3.3	1.3	.5		.2	.1		
320-340	2.1	3.3	2.3	.3	.1		.1		
VARIABLE		.1	.3	.1	.1				
CALM	//								
TOTALS	21.7	34.7	24.1	7.3	2.1	.7	.2		

TOTAL NUMBER OF OBSERVATIONS 983

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: MAR HOURS: 06-09

WIND IN KNOTS 22	22-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							3.8	6.8	6.0
							5.3	7.9	8.0
							4.3	9.6	10.0
							1.8	7.2	6.0
							4.2	6.7	6.0
							7.3	6.0	6.0
							9.1	7.7	7.0
.4							15.1	9.3	10.0
.1							13.9	9.5	8.0
							8.6	10.1	9.0
.2	.1						7.5	9.1	8.0
	.1						11.4	7.3	6.0
							.6	13.2	12.0
//							4.3	//////////	
.7	.2						100.0	8.2	6.0

[illegible] VARIOUS 330

OPERATING LOCATION: NAM
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 93553 STATION NAME: SPRING HOPE/RALEIGH NAS NC
LST TO UTC: - 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(1) 350-010	.3	2.5	1.5	.5					
020-040	.4	2.2	2.3	.5					
050-070	.4	3.3	1.9	.4	.3				
(2) 080-100	.4	.9	1.	.1	.1				
110-130	1.1	1.2	1.2	.1	.1				
140-160	.4	2.2	2.1	.4					
(3) 170-190	1.4	3.4	1.2	.6	.2	.1			
200-220	1.1	4.9	5.2	3.1	.4			.4	
230-250	1.	3.1	2.7	2.3	1.2	.1		.2	
(4) 260-280	.3	2.2	2.1	2.7	1.4	.1	.1		
290-310	.2	2.4	3.3	1.4	1.1	.4			
320-340	1.1	4.1	3.1	1.7	.2				
VARIABLE		.9	1.2	.2					
CALM	//								
TOTALS	7.2	39.1	34.1	14.4	5.2	.9	.1	.2	

TOTAL NUMBER OF OBSERVATIONS 930

...CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
... FROM HOURLY OBSERVATIONS

...RD RAF UK PERIOD OF RECORD: JUL 7? - JUN 8?
MONTH: MAR HOURS: 09-11

SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						4.9	9.5	9.0
						5.1	9.6	10.0
						5.?	9.5	9.0
						3.1	10.3	12.0
						3.2	8.1	7.0
						?.?	8.7	9.0
.1						7.3	?.3	?.0
	.4					15.2	11.7	11.0
.1	.?					12.?	12.?	12.0
.1	.1					10.?	13.1	13.0
.?						?.4	13.0	13.0
						10.5	10.1	10.0
						1.7	11.2	12.0
//						3.2	//////////	
.?	.1	.?				100.0	10.6	10.0

...SERVATIONS 930

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER MEYAMEE AAF IN
LST TO UTC: - 0

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-7	11-14	15-19	20-24	25-29	30-34	35-39	40-
(N) 350-010	1.1	1.[illegible]	1.[illegible]	.[illegible]	.1				
020-04[illegible]	.[illegible]	2.4	2.[illegible]	.[illegible]	.1				
[illegible]-07[illegible]	.[illegible]	1.7	1.[illegible]	1.[illegible]	.1				
(E) [illegible]-1[illegible]	.[illegible]	.[illegible]	.[illegible]	.4	.2				
110-1[illegible]	.[illegible]	1.[illegible]	.3	.4					
140-1[illegible]	.[illegible]	1.1	1.[illegible]	.[illegible]					
(S) 170-1[illegible]	.3	2.[illegible]	3.[illegible]	.[illegible]	.3				
[illegible]-2[illegible]	1.[illegible]	3.[illegible]	4.[illegible]	[illegible].7	1.[illegible]	.[illegible]			
[illegible]-2[illegible]	.[illegible]	[illegible].[illegible]	4.[illegible]	[illegible].[illegible]	1.[illegible]	.[illegible]		.1	
(W) [illegible]-[illegible]	.[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	.[illegible]	.[illegible]		
[illegible]-31	.[illegible]	[illegible].7	4.[illegible]	1.7	1.[illegible]	.4	.[illegible]		
[illegible]-[illegible]	1.[illegible]	[illegible].[illegible]	4.[illegible]	.[illegible]	.1	.[illegible]			
VARIABLE	.1	.	2.[illegible]	1.[illegible]					
CALM	//								
TOTAL	.	[illegible].[illegible]	[illegible].1	1[illegible].7	[illegible].7	1.[illegible]	.[illegible]	.1	

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] RAF UK PERIOD OF RECORD: JUL 75 - JUN 84
MONTH: MAR HOURS: 12-14

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	30-34	35-39	40-49	50-64	GE 65			
						5.4	9.5	9.5
						5.2	9.5	10.0
						4.3	10.5	10.0
						3.1	9.6	9.0
						3.1	8.0	7.0
						4.2	9.3	10.0
						7.0	10.7	10.0
.5						14.4	12.3	12.0
.2		.1	.3			14.0	14.1	14.0
.2	.2					11.0	13.5	14.0
.4	.2					10.9	13.4	13.0
.3						9.2	10.5	10.0
						4.2	12.0	12.0
//						1.7	//////////	
1.2	.4	.1	.3			100.0	11.6	12.0

[illegible] OBSERVATIONS 919

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
(OBSERVATIONS)

[illegible] MAR 73 PERIOD OF RECORD: JUL 72 - JUN 73
MONTH: MAR HOURS: 15-17

WIND DIR	WIND SPEED (KNOTS)						TOTAL %	MEAN WIND	MEDIAN WIND
	1-2	3-16	17-33	34-40	41-54	GE 55			
							5.7	9.0	9.0
							9.9	9.9	9.0
							4.7	10.[illegible]	10.5
							2.0	7.9	7.0
							3.3	7.[illegible]	7.0
							4.[illegible]	[illegible].[illegible]	8.0
							7.2	8.3	9.[illegible]
							10.4	12.3	12.0
	.[illegible]	.[illegible]	.[illegible]				13.[illegible]	13.[illegible]	14.[illegible]
							11.4	12.2	12.3
	.[illegible]	.1					10.[illegible]	11.7	11.5
	.2						[illegible].[illegible]	9.5	10.0
	.1						2.0	12.0	12.0
//							2.7	//////////////	
	.	.[illegible]	.[illegible]				100.0	10.[illegible]	10.[illegible]

[illegible] VALID OBS 300

OPERATIONS LOCATION MAP
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: - 0

DIRECTION (TOWARD)	WIND SPEED IN KNOTS								
	1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-47
(N) 34[illegible]-1[illegible]	2.2	1.5	.3	.1					
[illegible]-[illegible]	.2	4.4	3.5	.4					
[illegible]-[illegible]	.7	1.2	1.1	.2					
(E) [illegible]-[illegible]	1.1	.2	1.	.4					
[illegible]-[illegible]	.2	.3	1.7	.1					
[illegible]-[illegible]	1.	1.2	1.4	.2					
(S) [illegible]-[illegible]	2.2	3.2	2.7	.3					
[illegible]-[illegible]	2.3	2.7	3.1	1.7	1.3				
[illegible]-[illegible]	1.2	.4	.3	1.2	.	.2			
(W) [illegible]-[illegible]	1.	2.2	2.3	1.4					
[illegible]-[illegible]	2.3	2.3	2.3	1.2	.2	.2			
[illegible]-[illegible]	2.2	2.3	1.2	.2		.1	.1		
VARIABLE			.2		.2				
CALM	//								
TOTALS	[illegible]	[illegible]	22.2	8.7	2.2	.2	.1		

TOTAL NUMBER OF OBSERVATIONS [illegible]

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
M HOURLY OBSERVATIONS

(30) RAF UK PERIOD OF RECORD: JUL 76 - JUN 88
MONTH: MAR HOURS: 18-20

ED IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						4.1	5.5	4.0
						9.4	9.3	9.0
						4.1	8.3	8.0
						8.1	8.0	9.0
						2.7	9.1	10.0
						5.1	7.5	6.0
						5.0	7.5	6.5
						13.8	10.2	9.0
.2						14.3	10.7	11.0
						9.2	9.1	8.5
.2						10.4	9.9	9.0
.1	.1					7.3	7.3	6.0
						.4	16.8	17.0
//						.2	//////////	
.2	.1					100.0	9.3	9.0

OBSERVATIONS 939

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53883 STATION NAME: UPPER HEYFORD GAF UK PERI
LST TO UTC: - 0 MONT

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-31	1.7	.9	.9		.1				
320-34	1.8	4.7	3.6						
330-07	.9	1.7	1.1	.4					
(E) 080-10	1.3	.9	.5	.4					
110-13	.9	1.4	1.3	.1					
140-16	1.	1.3	.5	.3	.1				
(S) 170-19	1.1	2.3	1.3	.3	.5	.3			
200-23	1.3	4.3	3.7	1.7	.3	.4			
230-26	1.4	2.7	4.3	2.3	.4				
(W) 260-29	1.4	4.3	2.3	.3	.2				
290-32	2.3	5.3	1.3	.3	.3	.1			
320-34	1.1	2.3	.1	.3	.3				
VARIABLE			.3						
CALM	//								
TOTALS	20.1	39.1	23.3	7.3	2.1	.7			

TOTAL NUMBER OF OBSERVATIONS 43

ENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

YFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: MAR HOURS: 21-23

SPEED IN KNOTS									
4	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							3.5	6.2	6.0
							9.0	7.8	8.0
							4.5	9.1	9.0
							3.1	7.6	8.0
							3.2	7.6	7.0
							5.1	7.0	7.0
	.2						7.2	8.0	8.0
	.4						10.1	9.4	8.0
							10.2	9.4	9.0
							7.8	8.6	8.0
	.1						10.2	8.2	7.0
							5.1	7.6	6.0
							.2	13.5	13.5
//							5.3	//////////	
	.7						100.0	8.1	8.0

OBSERVATIONS 930

OPERATING LOCATION "AM"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36583 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.3	1.7	1.1	.3	.0				
020-040	1.3	3.4	2.3	.3	.4				
050-070	.5	1.7	1.7	.5	.1				
(E) 080-100	.3	.7	.5	.3	.3				
110-130	1.3	1.5	.5	.2	.0				
140-160	1.7	2.3	1.2	.4	.0				
(S) 170-190	1.3	3.2	2.7	.9	.3	.1			
200-220	3.3	4.3	4.5	2.3	.5	.3		.1	
230-250	1.5	4.3	4.7	2.5	.3	.1	.	.1	.
(W) 260-280	1.1	3.2	2.3	1.7	.5	.1	.2		
290-310	1.3	3.3	2.3	1.0	.7	.2	.1		
320-340	2.2	3.4	2.2	.5	.2	.1	.		
VARIABLE	.3	.3	.5	.3	.1	.3			
CALM	//								
TOTALS	16.3	34.7	27.1	11.4	3.6	.8	.1	.2	

TOTAL NUMBER OF OBSERVATIONS 7442

...CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
...S IN HOURLY OBSERVATIONS

...SCO RAF UK PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: MAR HOURS: ALL

SPEED IN KNOTS								
...-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						4.5	7.8	7.0
						7.2	8.6	8.0
						4.7	9.7	10.0
						2.5	8.5	9.0
						3.5	7.5	7.0
						5.4	7.4	7.0
.1						7.7	8.7	9.0
.2		.1				15.3	10.2	10.0
.1	.2	.1	.0			14.5	10.9	10.0
.1	.0					3.6	10.8	10.0
.2	.1					9.7	10.3	9.0
.1	.0					4.9	9.4	7.0
.0						1.3	12.9	12.5
//						4.7	//////////	
.5	.1	.2				100.0	9.1	9.0

...SERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE-
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER MEYERS GAP [illegible]
LST TO UTC: - 0

CATEGORY A: CEILING OF 200 BUT LESS THAN 1000 FEET WITH VISIBILITY OF 1/
AND/OR
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4

		WIND SPEED IN KNOTS							
	WIND DIR.	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
	(DEGREES)								
(1)	350-21[illegible]	1.2	.9	1.1	.5	.1			
	[illegible]	1.[illegible]	[illegible]	2.[illegible]	.[illegible]				
	[illegible]	1.[illegible]	3.[illegible]	2.7	1.[illegible]	.4			
(2)	[illegible]	.7	1.[illegible]	1.7	.7	.[illegible]			
	[illegible]	1.[illegible]	[illegible].[illegible]	1.[illegible]	.[illegible]	.1			
	[illegible]	[illegible].1	[illegible].[illegible]	[illegible].[illegible]	.[illegible]				
(3)	[illegible]	1.[illegible]	[illegible].4	[illegible].1	.[illegible]	.[illegible]	.1		
	[illegible]	1.7	[illegible].[illegible]	7.[illegible]	4.[illegible]	.7	.1		
	[illegible]	.7	3.3	4.1	2.3	.7			
(4)	[illegible]	.7	.[illegible]	.[illegible]			.1		
	[illegible]	1.[illegible]	1.[illegible]	.7	.[illegible]	.3			
	[illegible]	1.[illegible]	[illegible].[illegible]	.[illegible]	.[illegible]	.3			
	VARIABLE								
	CALM	//							
	TOTALS	14.[illegible]	35.7	29.[illegible]	11.[illegible]	3.0	.3		

TOTAL NUMBER OF OBSERVATIONS 1743

NCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
M HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 75 - JUN 88
MONTH: MAR HOURS: ALL

ET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						3.7	8.5	9.0
						9.3	8.6	9.0
						9.2	9.3	10.0
						4.7	9.9	10.0
						5.3	7.3	7.0
						9.1	7.3	7.0
.1						12.7	9.5	8.0
.1						19.4	11.4	12.0
						11.2	11.7	12.0
.1						1.7	7.6	6.5
						3.4	7.9	8.5
						4.3	8.0	7.0
//						6.1	//////////	
.3						100.0	8.9	9.0

OBSERVATIONS 1749

OPERATING LOCATION: MSW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEG-TRUE)	1-4	5-9	10-14	15-19	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40+
(N) 350-21[illegible]	3.1	1.[illegible]	.7	.4	.2				
022-04[illegible]	4.1	4.9	2.1	.4					
05[illegible]-07[illegible]	3.[illegible]	4.3	2.[illegible]	.1					
(E) 08[illegible]-1[illegible]	2.[illegible]	1.9	1.[illegible]						
11[illegible]-1[illegible]	3.[illegible]	1.2	.[illegible]						
14[illegible]-1[illegible]	[illegible].[illegible]	1.2		.1					
(S) 17[illegible]-1[illegible]	[illegible].[illegible]	2.[illegible]	.4	.1					
20[illegible]-2[illegible]	[illegible].[illegible]	[illegible].4	1.4	.[illegible]					
23[illegible]-2[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.1	.					
(W) 26[illegible]-2[illegible]	1.4	[illegible].1	.7	.4					
2[illegible]-3[illegible]	[illegible].[illegible]	[illegible].7	.	.[illegible]					
32[illegible]-34[illegible]	[illegible].	[illegible].[illegible]	1.4	.[illegible]					
VARIABLE		.[illegible]		.1					
CALM	//								
TOTALS	[illegible].1	37.7	12.4	4.[illegible]	.2				

TOTAL NUMBER OF OBSERVATIONS [illegible]90

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

YUMA MCAF AZ PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: APR HOURS: 00-02

DIR	SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
							6.2	5.5	4.5
							11.1	7.1	6.0
							9.7	6.5	6.0
							5.1	5.5	4.5
							5.2	4.6	3.0
							3.3	4.1	3.6
							5.4	5.6	5.0
							9.7	6.[illegible]	6.0
							[illegible].[illegible]	7.1	6.0
							5.7	6.8	6.5
							[illegible].[illegible]	6.7	6.0
							12.2	[illegible].[illegible]	[illegible].0
							.3	11.0	9.0
//////	//////	//////	//////	//////	//////	//////	9.[illegible]	//////////	
							100.0	5.7	[illegible].0

OBSERVATIONS 900

OPERATING LOCATION WAW
USAFETAC, ASH VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SUMMED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER MEYERSON AAF UK
LST TO UTC: - 0

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 +
(N) 3[illegible]-[illegible]	[illegible].[illegible]	2.4	1.[illegible]	.4		.1			
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	.7		.2			
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	.1					
(E) [illegible]-[illegible]	[illegible].[illegible]	1.7	1.[illegible]						
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	.4						
[illegible]-[illegible]	[illegible].[illegible]	.7	.4						
(S) [illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	2.[illegible]						
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	.4					
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.7	.4					
(W) [illegible]-[illegible]	1.7	[illegible].[illegible]	1.1	.7					
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	.[illegible]	.4	.1				
[illegible]-[illegible]	[illegible].[illegible]	7.7	1.[illegible]	.1					
VARIABLE			.[illegible]	.1					
CALM	//								
TOTAL	[illegible].[illegible]	[illegible].[illegible]	14.[illegible]	2.[illegible]	.1	.3			

TOTAL NUMBER OF OBSERVATIONS [illegible][illegible]

UENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

YEARS RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: 03-05

WIND SPEED IN KNOTS									
	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1							3.3	5.8	4.0
.2							10.2	7.7	7.0
							7.4	7.0	7.0
							4.9	6.1	5.5
							4.8	5.5	6.0
							3.7	4.1	3.5
							6.6	6.7	6.0
							7.3	6.2	5.0
							9.4	6.3	6.0
							6.6	6.6	6.0
							7.6	7.2	6.0
							16.0	6.3	6.0
							.3	14.0	13.0
//							7.3	//////////	
.3							100.0	6.2	6.0

OBSERVATIONS 309

OPERATIONAL CLIMATIC DATA
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (TRUE)	1-4	5-7	11-16	17-21	22-26	27-33	34-40	41-
	WIND SPEED IN KNOTS							
(N) 350-010	2.3	2.4	1.1	.7	.1			
020-040	1.3	1.1	.7	.4	.3			
050-070	1.1	1.3	.6	.1				
(E) 080-100	1.7	2.3	1.3	.2				
110-130	1.7	2.3	1.2	.2				
140-160	1.1	1.7	.3					
(S) 170-190	1.	2.2	1.2	.3				
200-220	1.7	3.3	1.2	.1				
230-250	1.	1.3	1.1	.2				
(W) 260-280	1.2	1.	.7	.1	.1			
290-310	1.1	2.1	2.1	.3	.3			
320-340	.7	.7	1.3	.2				
VARIABLE		.1	.7	.1				
CAL	//							
TOTALS	16.2	23.2	13.5	4.3	.7			

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible]AR JK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: APR HOURS: 05-07

WIND DIR	WIND SPEED IN KNOTS [illegible]-32	33-36	37-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]							7.1	7.6	6.0
[illegible]							10.[illegible]	7.7	7.0
[illegible]							[illegible].3	7.[illegible]	7.0
[illegible]							6.2	6.6	6.0
[illegible]							6.1	[illegible].[illegible]	6.0
[illegible]							[illegible].[illegible]	[illegible].1	[illegible].0
[illegible]							[illegible].2	7.1	6.0
[illegible]							[illegible].[illegible]	[illegible].7	[illegible].0
[illegible]							7.[illegible]	7.[illegible]	7.0
[illegible]							[illegible].[illegible]	7.7	[illegible].0
[illegible]							7.7	[illegible].[illegible]	[illegible].0
[illegible]							[illegible].[illegible]	[illegible].[illegible]	[illegible].0
[illegible]							.[illegible]	12.[illegible]	12.0
//							[illegible].[illegible]	//////////////	
[illegible]							[illegible]3.[illegible]	[illegible].0	7.0

[illegible] [illegible] [illegible]

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE [illegible]
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] — STATION NAME: UPPER HEYFORD [illegible] UK — [illegible]
LST TO UTC: - [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.4	3.[illegible]	1.9	.7	.1	.2			
020-040	1.[illegible]	4.2	3.1	1.1	.3				
050-070	1.[illegible]	3.3	[illegible]	.4					
(E) [illegible]-100	.	2.[illegible]	2.[illegible]	.[illegible]	.1				
110-130	1.[illegible]	2.[illegible]	.7	.1					
140-160	1.[illegible]	3.1	2.[illegible]	.[illegible]	.1				
(S) 170-190	1.	2.[illegible]	1.[illegible]	.[illegible]	.1				
200-220	1.1	[illegible]	2.	1.5					
230-250	.	[illegible].1	2.[illegible]	.[illegible]					
(W) [illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.1			
290-310	[illegible]	2.[illegible]	4.[illegible]	1.4	.4				
320-340	[illegible].	[illegible]	[illegible]	.[illegible]					
VARIABLE		1.7	1.	.[illegible]	.1				
CALM	//////////								
TOTAL	[illegible].	[illegible]7.[illegible]	[illegible]1.7	10.2	1.[illegible]	.[illegible]			

TOTAL NUMBER OF OBSERVATIONS [illegible]

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] AFB, UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: APR HOURS: 09-11

WIND IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.2						8.1	8.7	8.0
						10.3	9.4	9.0
						6.3	8.3	8.0
						5.[illegible]	9.4	9.5
						4.[illegible]	8.5	8.0
						7.[illegible]	[illegible]	[illegible]
						6.[illegible]	[illegible]	[illegible]
						3.6	9.3	[illegible]
						6.[illegible]	9.7	10.0
.1						5.1	10.[illegible]	11.0
						[illegible]	10.3	10.0
						10.[illegible]	[illegible]	[illegible]
						4.3	11.2	10.0
//						3.3	//////////////	
.3						100.[illegible]	[illegible]	9.0

[illegible] OBSERVATIONS [illegible]

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FOR HOURLY OBSERVATIONS

STATION NUMBER: 34333 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (TOWARDS)	WIND SPEED IN KNOTS 1-3	4-7	11-14	15-19	20-24	25-29	30-34	35-39	40+
(1) 350-010	1.4	3.2	2.4	.3	.1	.1			
020-040	1.4	4.2	4.2	.7	.2				
050-070	1.2	3.7	3.2	.2					
(2) 080-100	.7	1.3	2.2	.7					
110-130	.	1.1	1.1	.1					
140-160	.	2.2	3.1	.2					
(3) 170-190	.	2.1	2.2	1.3					
200-220	1.2	3.1	4.2	1.2	.3				
230-250	.	2.2	3.2	.7	.2	.2			
(4) 260-280	1.1	1.2	1.2	.7	.2	.1			
290-310	1.2	1.	3.2	.2	.2	.2			
320-340	1.2	3.	2.2	1.1					
VAR-IABLE		3.7	3.2	.2	.1				
CALM	//								
TOTALS	11.2	34.1	37.2	9.4	2.1	.4			

TOTAL NUMBER OF OBSERVATIONS 4032

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: 12-14

ED IN KNOTS 30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.1					3.1	9.4	7.0
					10.7	9.5	9.0
					8.2	8.7	8.0
					9.2	9.4	10.0
					3.3	4.3	2.0
					6.3	8.9	10.0
					7.0	10.1	10.0
					10.8	10.0	10.0
.1					7.2	10.7	10.0
.1					5.8	10.3	10.0
.3					3.3	11.8	11.0
					3.4	4.0	2.0
					7.0	10.4	10.0
//					2.3	//////////	
.1					100.0	9.5	10.0

OBSERVATIONS 900

OPERATING LOCATION: MAW
USAFFTAC, ASH VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM MILITARY CLIMATIC

STATION NUMBER: 3[illegible] STATION NAME: UPPER MCYERS AAF, VA PE
LST TO UTC: - 0 MA

DIRECTION (DEG-TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(1) 350-01	1.4	3.2	1.6	.1					
020-04	1.1	4.1	3.4	2.4	.7				
050-07	2.3	4.7	3.4	.7					
(2) 080-10	.4	2.4	3.2	.4	.1				
110-13	.7	1.2	1.4	.1					
140-16	1.4	1.3	2.2	.4					
(3) 170-19	1.1	3.3	3.1	.2	.2	.1			
200-23	.9	3.1	3.2	.7	.7				
230-26	1.3	2.7	3.3	.4	.4	.2			
(4) 260-29	1.4	2.7	2.4	.2	.1				
290-31	.3	2.3	3.1	1.2	.2	.1			
320-34	2.7	3.3	2.2	.3	.1				
VARIABLE	.2	1.3	2.7	.3					
CALM	//								
TOTAL	14.2	43.1	38.2	7.3	3.2	.4			

TOTAL NUMBER OF OBSERVATIONS 962

QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WOOD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: APR HOURS: 15-17

SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
							5.3	7.5	7.0
.7							11.2	10.3	10.0
							9.7	9.1	9.0
.1							5.4	9.6	10.0
							3.3	9.2	9.5
							5.4	9.1	9.0
.1	.1						7.6	9.4	9.0
.7							9.1	10.5	10.0
.6	.2						8.3	10.7	10.0
.1							7.4	9.1	9.0
.2	.1						3.2	11.6	11.0
.1							2.5	9.1	9.0
							4.5	10.4	11.0
////	////	////	////	////	////	////	2.3	////////////	
.2	.4						100.0	9.2	9.0

OBSERVATIONS 900

OPERATING LOCATION: NAW
USATTAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE BY [illegible]
FROM [illegible]

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYWOOD GAP, NC
LST TO UTC: - 0

(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
			WIND SPEED IN KNOTS						
(N) 350-11	2.3	2.1	.3		.2				
3[illegible]	3.4	4.3	2.3	1.3	.1				
[illegible]	3.[illegible]	4.[illegible]	[illegible].3	.3					
(E) [illegible]	[illegible].1	4.4	1.3						
11[illegible]	1.1	1.4	.[illegible]	.1					
14[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	.1					
(S) 170-19[illegible]	[illegible].[illegible]	2.[illegible]	1.1	.2					
20[illegible]	1.7	4.4	2.[illegible]	.[illegible]	.2				
[illegible]	1.[illegible]	[illegible].[illegible]	1.[illegible]	.[illegible]	.[illegible]				
(W) 2[illegible]	1.[illegible]	2.[illegible]	1.[illegible]	.1					
2[illegible]	1.7	[illegible].[illegible]	2.[illegible]	.7	.1	.2			
[illegible]	[illegible].	[illegible].[illegible]	1.[illegible]	.1					
VARIABL	.1	.2	1.1						
CALM	//								
TOTALS	[illegible].[illegible]	[illegible].[illegible]	1[illegible].[illegible]	[illegible].1	.[illegible]	.2			

TOTAL NUMBER OF OBSERVATIONS [illegible]

NCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: APR HOURS: 18-20

WIND IN KNOTS								
25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						5.0	5.7	5.0
						12.0	8.4	8.0
						11.3	6.6	6.0
						8.0	6.7	6.0
						8.2	6.6	6.0
						5.6	5.8	5.0
						5.1	5.4	5.0
						9.3	8.5	7.5
						7.1	8.0	8.0
						5.9	7.6	8.0
.2						3.4	8.1	7.5
						7.6	5.8	5.0
						1.4	10.9	12.0
//						8.2	//////////////	
.2						100.0	6.8	7.0

[illegible] OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE BY ABSOLUTE
FROM AUPLEY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: DOBBS H-YEOMAN RAF [illegible]
LST IN UTC: - 5

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(N) 3[illegible]-01[illegible]	[illegible].[illegible]	1.5	1.3		.3				
[illegible]-[illegible]	[illegible].[illegible]	3.[illegible]	2.7	.[illegible]	.1				
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	.1					
(E) [illegible]-1[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]						
11[illegible]-1[illegible]	[illegible].[illegible]	1.[illegible]	.[illegible]						
14[illegible]-1[illegible]	[illegible].1	.7	.[illegible]						
(S) 17[illegible]-1[illegible]	1.[illegible]	[illegible].7	.	.2					
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	.[illegible]	.2				
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	.[illegible]		.1			
(W) [illegible]-[illegible]	[illegible].1	[illegible].	1.1						
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	.[illegible]	.1	.3				
[illegible]-[illegible]	[illegible].	[illegible].[illegible]	.[illegible]						
VARIABLE		.2	.[illegible]		.1				
CALM	//								
TOTALS	[illegible].7	[illegible].[illegible]	1[illegible].4	2.1	1.[illegible]	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 84
MONTH: APR HOURS: 21-23

SPEED IN KNOTS									
[illegible]	25-29	30-34	35-39	40-49	50-64	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]							5.4	6.[illegible]	5.0
[illegible]							10.[illegible]	7.7	7.0
							11.[illegible]	6.5	6.0
							[illegible].2	6.2	5.0
							4.6	4.9	4.0
							3.3	5.4	4.0
							5.5	6.3	5.5
							11.1	5.7	5.0
	.1						[illegible].2	7.3	7.0
							7.[illegible]	5.3	5.0
							[illegible].2	6.1	5.0
							7.[illegible]	4.[illegible]	4.0
							.9	11.4	10.5
[illegible]							[illegible].3	[illegible]	
	.1						100.[illegible]	5.[illegible]	6.0

[illegible]SERVATIONS [illegible]

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] — STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	[illegible]	[illegible]
(N) 350-010	[illegible]	2.7	1.[illegible]	.3	.1	.1			
020-040	[illegible].7	[illegible].1	2.[illegible]	1.1	.5	[illegible]			
050-070	[illegible]	[illegible]	[illegible]	.3					
(E) 080-100	[illegible]	[illegible]	1.7	[illegible]	[illegible]				
110-130	1.7	1.7	[illegible]	.1					
140-160	1.	1.[illegible]	1.[illegible]	.2	[illegible]				
(S) 170-190	1.[illegible]	[illegible]	1.[illegible]	.4	[illegible]	[illegible]			
200-220	[illegible]	[illegible]	[illegible]	[illegible]	.2				
230-250	1.[illegible]	[illegible].2	[illegible]	[illegible]	.1	.1			
(W) 260-280	1.[illegible]	[illegible]	1.	[illegible]	.1	[illegible]			
290-310	[illegible]	[illegible]	[illegible]	.7	[illegible]	.1			
320-340	[illegible]	4.7	[illegible]	.4	[illegible]				
VARIABLE	[illegible]	[illegible]	1.3	[illegible]	[illegible]				
CALM	//////////								
TOTALS	[illegible]	[illegible]	23.4	[illegible]	1.1	.3			

TOTAL NUMBER OF OBSERVATIONS: [illegible]

...QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
...ERIAL HOURLY OBSERVATIONS

...CITY-[illegible] AFB MI PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: ALL

SPEED IN KNOTS								
DIR	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	.1						5.8	7.2	6.0
[illegible]	.3						11.0	8.5	8.0
[illegible]							9.4	7.3	7.0
[illegible]							5.9	7.5	7.0
[illegible]							4.4	6.4	6.0
[illegible]							5.1	6.9	6.0
[illegible]	.3						6.3	7.7	7.0
[illegible]							3.3	5.1	5.0
[illegible]	.1						7.7	8.3	8.0
[illegible]	.3						6.3	6.1	7.0
[illegible]	.1						4.3	6.7	6.0
[illegible]							10.9	6.9	6.0
[illegible]							2.5	10.3	11.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	0.0	//////////	//////////
[illegible]	.3						100.0	7.3	7.0

...[illegible] VARIABLE [illegible]%

OPERATIONAL LOCATION MAP — PERCENTAGE FREQUENCY OF OCCURRENCE STRATIFIED
MCAFFTAC, [illegible] — FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TIME/UTC: - 0

CEILING: [illegible] FEET AND/OR VISIBILITY OF 1/2 MILE (800 METERS) OR LESS THAN 1000 FEET AND/OR VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4

WIND SPEED IN KNOTS

CEILING	1-6	7-10	11-16	17-21	22-26	27-33	34-40	41+
(KNOTS)								
(3) 350-[illegible]	2.3	1.7	.7	.4	.6	.1		
[illegible]	3.7	4.3	5.7	3.3	.1	.1		
[illegible]	1.7	2.7	4.0	1.1				
(3) [illegible]	1.3	2.1	3.7	.2				
[illegible]	1.7	1.1	.7	.3				
[illegible]	.3	1.3	.3	.1				
(3) 1[illegible]	1.1	1.1	2.1	.7	.1			
[illegible]	1.	1.1	1.3	.				
[illegible]	1.7	1.7	.3	.1				
(3) [illegible]	.7	.3	.3					
[illegible]	1.	1.7	.4	.1				
[illegible]	.7	.1	1.1	.1				
MISSING								
[illegible]	//							
TOTAL	15.1	19.3	22.1	7.7	1.5	.1		

TOTAL NUMBER OF OBSERVATIONS 1 7[illegible]

...Y THE OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
...HOURLY OBSERVATIONS

...BASE AF ... PERIOD OF RECORD: JUL 7... - JUN ...
MONTH: MAY HOURS: 00-02

...I...KNOTS ...-3...	3...-3...	3...-3...	4...-4...	5...-5...	6...6...	TOTAL %	MEAN WIND	MEDIAN WIND
						3.7	4.9	5.0
						4.9	6.7	6.0
						7.7	7.1	6.0
						5.2	5.4	5.0
						3.9	4.4	4.0
						5.7	5.0	5.0
						3.2	5.5	5.0
						13.7	7.4	7.0
						7.1	6.2	7.0
						4.7	6.9	5.5
						5.7	5.0	5.5
						1.5	5.7	5.0
						.7	11.2	10.0
//						.3	//////////	
						100.0	6.7	6.0

...VATIONS ...6

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
FROM HOURLY OBSERVATIONS [illegible]

STATION [illegible] : [illegible]   STATION NAME : [illegible]
LST TO UTC: - [illegible]

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-[illegible]
( ) 3[illegible]-1[illegible]	[illegible]	4.[illegible]	.[illegible]						
[illegible]-[illegible]	[illegible]	[illegible]	1.[illegible]						
[illegible]-[illegible]	1.[illegible]	[illegible]	1.[illegible]	.3					
( ) [illegible]-1[illegible]	[illegible]	1.[illegible]	.[illegible]						
11[illegible]-1[illegible]	.	1.	.2						
1[illegible]-1[illegible]	[illegible]	1.[illegible]	.						
( ) 17[illegible]-1[illegible]	.1	.1	1.[illegible]	.1					
[illegible]-[illegible]	.	[illegible]	[illegible]	.[illegible]					
[illegible]-[illegible]	1.	[illegible]	1.[illegible]	.1					
( ) [illegible]-[illegible]	[illegible]	.[illegible]	.[illegible]						
[illegible]-[illegible]1	1.[illegible]	[illegible]	1.1	.[illegible]					
[illegible]-[illegible]	.	[illegible]	1.7						
VARIABLE	.1	.2	.[illegible]						
CALM	//////////								
TOTAL	[illegible]	[illegible]	1[illegible].7	1.1					

TOTAL [illegible]   [illegible]

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

[illegible] HEYFORD RAF UK — PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]

MONTH: MAY — HOURS: 03-05

WIND SPEED IN KNOTS

[illegible]	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								9.3	5.5	5.0
								8.7	5.0	5.0
								7.0	7.2	7.0
								4.2	5.7	5.0
								4.6	4.1	3.0
								6.4	5.0	4.0
								7.[illegible]	[illegible]	5.0
								12.0	7.6	7.0
								7.5	7.0	7.0
								3.3	5.7	4.[illegible]
								[illegible]	6.0	7.0
								11.7	5.5	[illegible]
								.3	9.8	10.5
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	0.2	//////////	//////////
								100.0	5.6	5.0

[illegible] OBSERVATIONS [illegible]

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF [illegible] SURFACE [illegible]
USAFETAC, ASHEVILLE, NC [illegible] HOURLY [illegible]

STATION NUMBER: 36[illegible]3 STATION NAME: UPPER HEYFORD RAF UK [illegible]
LST TO UTC: - 0

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	[illegible]	[illegible]	[illegible]	[illegible]
					WIND SPEED IN KNOTS				
(N) 350-010	[illegible]	4.[illegible]	1.[illegible]	.1					
[illegible]	[illegible]	[illegible]	1.[illegible]	.1					
[illegible]	[illegible]	5.1	1.[illegible]	.7					
(E) [illegible]	1.[illegible]	[illegible].7	[illegible]						
11[illegible]	[illegible]	[illegible]	.[illegible]						
14[illegible]	[illegible]	[illegible]	1.[illegible]	.4					
(S) 170-1[illegible]	[illegible].1	[illegible]	[illegible].1	.1	.[illegible]				
[illegible]	.[illegible]	[illegible]	[illegible]	.[illegible]					
[illegible]	1.[illegible]	[illegible]	[illegible]	.[illegible]					
(W) [illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]					
[illegible]	[illegible].1	[illegible]	[illegible]	.[illegible]					
[illegible]	[illegible]	4.1	[illegible]	.[illegible]					
[illegible]		1.[illegible]	1.1	.[illegible]					
[illegible]	//////////////////////								
TOTAL	[illegible].7	[illegible]	[illegible]	[illegible]	.[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

...QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
...FROM HOURLY OBSERVATIONS

...YEBRO RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 88
MONTH: MAY HOURS: 06-09

...SPEED IN KNOTS ...							TOTAL %	MEAN WIND	MEDIAN WIND
							3.4	5.7	5.0
							[illegible].3	5.7	5.0
							8.1	7.4	7.0
							5.9	7.3	8.0
							4.3	6.9	[illegible].0
							[illegible].[illegible]	4.5	6.5
.3							10.1	7.4	7.0
							13.[illegible]	[illegible].5	[illegible].0
							[illegible].1	.1	[illegible].0
							[illegible].3	9.5	11.0
							[illegible].7	[illegible].1	[illegible].0
							[illegible].7	7.[illegible]	7.0
							[illegible].4	10.[illegible]	10.0
//							[illegible].0	//////////////	
.							100.[illegible]	7.2	7.0

... OBSERVATIONS ...

[illegible] STATIONS LOCATED "A"
[illegible], ASH VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE BY SPEED AND DIRECTION
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - 0

DIRECTION (TRUE N)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) [illegible]	1.1	2.1	2.2	.7					
[illegible]	1.7	1.4	2.1	.3					
[illegible]	1.1	1.1	2.1	.4					
(E) [illegible]	.7	1.4	1.	.3					
[illegible]	1.1	1.1	1.	.2					
[illegible]	1.	1.3	1.	.1					
(S) [illegible]	1.1	4.3	1.	.2	.3				
[illegible]	1.1	4.2	2.7	1.	.1				
[illegible]	.	3.2	5.2	1.1	.				
(W) [illegible]	.2	1.1	.2	.1	.2				
[illegible]	.	1.7	1.1	.1	.1				
[illegible]	1.	3.1	1.1	.					
VARIABLE	.2	2.1	3.4	.4	.1				
CALM	//								
TOTAL	.7	49.1	33.1	4.4	1.1				

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] HOLLOMAN AAF NM PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: MAY HOURS: 09-11

DIR	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]								5.9	8.7	8.0
[illegible]								6.6	7.4	7.0
[illegible]								7.3	6.6	6.0
[illegible]								5.8	8.5	8.0
[illegible]								5.3	9.0	10.0
[illegible]								6.1	7.1	6.0
[illegible]	.3							4.1	11.6	12.0
[illegible]	.1							14.7	9.7	10.0
[illegible]	.7							7.1	10.7	10.0
[illegible]	.2							3.7	9.3	9.0
[illegible]	.1							3.7	9.9	10.0
[illegible]								4.1	8.5	8.0
[illegible]	.1							6.7	10.5	10.0
[illegible]								1.3	[illegible]	
[illegible]	1.3							100.0	8.3	8.0

[illegible] OBSERVATIONS 330

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

[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAY HOURS: 12-14

WIND SPEED IN KNOTS									
[illegible]-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1							7.0	6.2	6.0
							3.5	7.7	7.0
							6.2	9.1	9.5
							5.5	9.9	10.5
							4.4	9.3	10.0
							4.1	7.7	7.0
.1							4.1	9.1	9.0
.4							14.4	13.3	13.0
.4							13.1	11.4	12.0
.4							9.1	10.4	9.0
.1							5.9	9.9	9.0
.2							2.2	8.4	8.0
.1							2.3	10.7	10.0
//							1.2	//////////////	
[illegible]							100.0	9.3	9.0

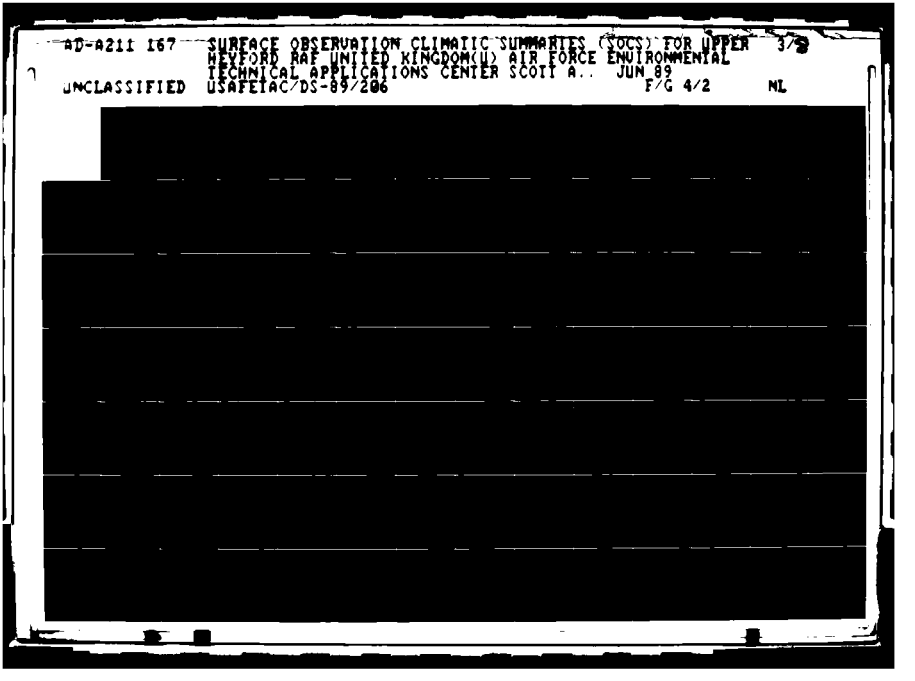
[illegible] OBSERVATIONS [illegible]

[illegible] OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible] STATION PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: MAY HOURS: 16-17

WIND IN KNOTS 25-29	30-34	35-39	40-49	50-54	55 OR MORE	TOTAL %	MEAN WIND	MEDIAN WIND
						6.8	8.1	7.0
						10.0	7.9	8.0
						7.1	9.2	10.0
						9.4	10.1	11.0
						3.5	8.9	8.0
						1.2	4.3	4.0
						.1	2.0	2.0
						13.2	13.3	13.0
..						11.7	11.7	12.0
						4.1	7.1	7.0
.1						6.5	7.8	7.5
						.9	7.4	7.0
						9.7	10.9	10.0
//						1.9	//////////////	
.						100..	9.1	9.0

[illegible] OBSERVATIONS 330


AD-A211 167
SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER
HEYFORD RAF (UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89
UNCLASSIFIED USAFETAC/DS-89/206
F/G 4/2
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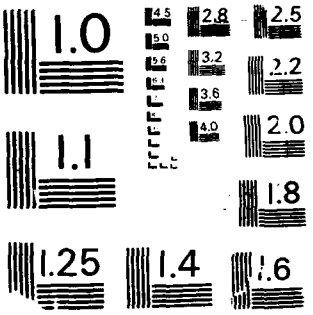

1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6

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

[illegible] PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: MAY HOURS: 13-20

WIND SPEED IN KNOTS									
21-24	25-29	30-34	35-39	40-47	48-54	GE 55	TOTAL %	MEAN WIND	RESULTANT WIND
							5.5	5.3	5.0
							11.3	5.4	5.3
							8.1	7.5	7.3
							7.4	6.0	6.2
							3.7	5.4	5.2
							4.4	5.5	5.3
							7.7	7.7	7.3
.2							11.2	6.3	6.2
							4.4	5.3	4.9
							5.4	7.1	6.7
.1							4.7	6.3	6.0
							1.4	5.7	5.5
							1.4	15.3	13.7
//							0.0	//////////	
.3							100.0	7.3	7.0

[illegible] OF OBSERVATIONS 733

[illegible] PERCENTAGE FREQUENCY OF [illegible] SURFACE WIND [illegible]

STATION [illegible] : [illegible] STATION NAME: [illegible]

[illegible] UTC: - [illegible]

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	[illegible]
	WIND SPEED IN KNOTS									
(N) [illegible]	[illegible]	[illegible]	.[illegible]							
[illegible]	.[illegible]	4.[illegible]	1.[illegible]	.4						
[illegible]	.[illegible]	.[illegible]	1.[illegible]	.[illegible]						
([illegible]) [illegible]	.[illegible]	.[illegible]	1.[illegible]							
11[illegible]-1[illegible]	1.[illegible]	1.[illegible]	.[illegible]							
[illegible]	.[illegible]	.[illegible]	.[illegible]							
([illegible]) 17[illegible]-1[illegible]	.[illegible]	.[illegible]	1.[illegible]	.1						
[illegible]	.[illegible]	7.[illegible]	[illegible]	.[illegible]	.[illegible]					
[illegible]	.[illegible]	.1	1.[illegible]							
([illegible]) [illegible]	.[illegible]	.[illegible]	.[illegible]							
[illegible]	.[illegible]	.[illegible]	.[illegible]							
[illegible]	.[illegible]	.[illegible]	.[illegible]							
[illegible]		.[illegible]	.[illegible]	.1						
[illegible]	/////////////////									
[illegible]	[illegible]	[illegible]	1[illegible].7	1.[illegible]	.3					

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

HEYFORD RAF UK — PERIOD OF RECORD: JUL 74 - JUN 85
MONTH: MAY — HOURS: 21-23

WIND SPEED IN KNOTS

20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
							5.9	5.1	5.0
							9.1	5.7	6.0
							10.3	5.9	6.0
							7.1	6.4	6.0
							4.0	5.1	5.0
							5.6	5.3	5.0
							7.3	5.6	5.0
.3							14.5	7.5	7.0
							[illegible]	6.4	7.0
							4.9	5.4	5.0
							5.6	5.3	6.0
							5.1	5.5	5.0
							.9	10.5	9.0
/////////	/////////	/////////	/////////	/////////	/////////	/////////	8.2	/////////	/////////
.3							100.0	5.8	6.0

NO. OF OBSERVATIONS 930

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 73 - JUN [illegible]
MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS										
[illegible]	22-24	25-27	28-30	31-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN	MEDIAN
									%	MPH	MPH
[illegible]	.3								7.4	6.6	6.3
[illegible]									9.4	7.0	6.3
[illegible]	.4								7.7	7.3	7.3
[illegible]									5.0	7.7	7.3
[illegible]									4.2	5.7	5.3
[illegible]									2.7	6.4	6.3
[illegible]	.1								3.3	7.5	7.3
[illegible]	.2								14.3	8.3	8.3
[illegible]	.2	.3							9.1	9.1	8.3
[illegible]	.1								4.3	7.4	7.3
[illegible]	.1	.3							5.2	7.6	7.3
[illegible]	.3								3.3	5.7	6.3
[illegible]	.1								3.3	10.7	10.3
//////////									5.1	//////////	
[illegible]									100.3	7.3	7.0

[illegible] OF OBSERVATIONS 7440

PERCENTAGE FREQUENCY OF [illegible]

[illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible] [illegible]

LOW CLOUD: = 0 [illegible]

[illegible]

CEILING: [illegible] NOT LESS THAN 1000 [illegible] VISIBILITY 1/2 [illegible]

VISIBILITY 1/2 MILE (800 METERS) NOT LESS THAN 1 MILE (1 [illegible]

CEILING (HUNDREDS OF FEET)	WIND SPEED IN KNOTS								
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47
(CEILING)									
(9) [illegible]	[illegible]	[illegible]	3.9	.4					
[illegible]	[illegible]	2.5	3.4	.3					
[illegible]	1.1	1.2	2.0	.6					
(7) [illegible]	1.1	2.7	1.1						
[illegible]	1.5	[illegible]	.6						
[illegible]	.7	2.1	.1						
(5) [illegible]	1.1	.2	5.7	.5	.2				
[illegible]	[illegible]	[illegible]	3.1	1.2					
[illegible]	1.7	[illegible]	1.5						
(4) [illegible]	.7	.1	.3	.1					
[illegible]	.7	1.3	.4	.3					
[illegible]	[illegible]	3.3	1.2	.1					
[illegible]									
CALM	//								
TOTAL	21.1	42.7	24.3	3.5	.2				

TOTAL NUMBER OF OBSERVATIONS 1132

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

STATION NAME: [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
GMT: + 0 MONTH: MAY HOURS: ALL

[illegible] LESS THAN 1000 FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS).
AND/OR
1 MILE (1600 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

	WIND SPEED IN KNOTS										
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56 OR MORE	TOTAL %	MEAN KNOTS	MEDIAN KNOTS
[illegible]	.4											11.9	7.5	7.0
[illegible]	.3											14.0	7.4	7.0
[illegible]	.6											8.6	8.0	7.0
[illegible]												6.5	8.3	8.0
[illegible]												4.3	8.4	8.0
[illegible]												5.3	8.4	8.0
[illegible]	.5	.2										3.3	7.7	8.0
[illegible]	1.3											13.4	[illegible]	[illegible]
[illegible]												7.2	7.1	[illegible]
[illegible]	.1											1.8	[illegible].4	[illegible]
[illegible]	.3											3.2	7.3	7.0
[illegible]	.1											10.3	6.3	7.0
[illegible]	//											5.8	////////////	
[illegible]	3.5	.2										100.0	7.3	7.0

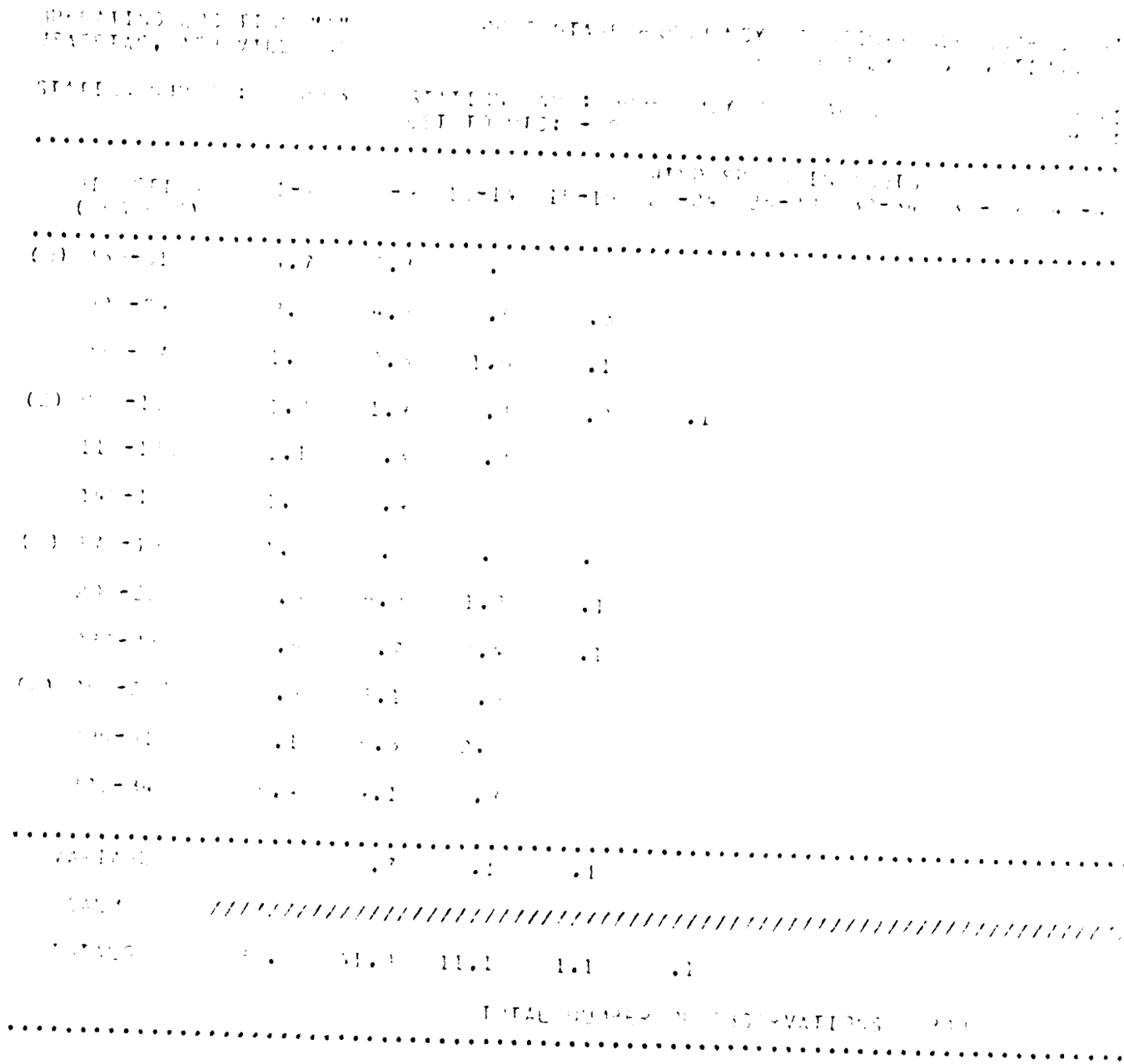
TOTAL NUMBER OF OBSERVATIONS 1130

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

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JUN HOURS: 00-02

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
							5.3	4.3	3.0
							12.0	5.1	5.0
							6.[illegible]	7.[illegible]	[illegible].0
							3.7	6.[illegible]	6.0
							1.3	[illegible].1	[illegible].0
							[illegible].1	[illegible].6	3.0
							4.1	5.4	4.0
							12.0	5.2	5.0
							1[illegible].3	[illegible].1	7.0
							7.2	[illegible].3	[illegible].1
							13.7	[illegible].3	[illegible].0
							1[illegible].4	4.4	4.0
							.6	[illegible].6	[illegible].1
//							[illegible].1	//////////	
							100.0	5.3	5.0

[illegible] OF OBSERVATIONS [illegible]00



[illegible] FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] : [illegible] PERIOD OF RECORD: JUL 7[illegible] - JU[illegible]
[illegible] : - [illegible] MONTH: JUL HOURS: [illegible]

	WIND SPEED IN KNOTS									
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TOTAL	MEAN WIND	[illegible] WIND
								7.[illegible]	[illegible].5	4.[illegible]
.[illegible]								[illegible]	[illegible]	[illegible]
.1								[illegible]	7.1	.[illegible]
.[illegible]	.1							3.[illegible]	[illegible]	[illegible]
								1.7	[illegible]	[illegible]
								2.	[illegible]	[illegible]
.								[illegible]	[illegible]	[illegible]
.1								1[illegible].1	[illegible]	[illegible]
.1								1[illegible].	[illegible].7	7.
								[illegible]	[illegible]	.
								[illegible]	7.1	7.[illegible]
								11.[illegible]	[illegible]	[illegible]
.1								.[illegible]	[illegible].1	[illegible]
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	[illegible]	//////////	//////////
1.1	.1							1[illegible]	[illegible]	[illegible]

[illegible] OBSERVATIONS [illegible]

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible]: [illegible] PERIOD OF RECORD: JUL 74 - JUN [illegible]
[illegible] - [illegible] MONTH: JUN HOURS: 06-09

	WIND SPEED IN KNOTS									
	1-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	TOTAL %	MEAN SPEED
	.1								5.4	5.7
	.1								7.3	[illegible]
	.[illegible]								[illegible].7	7.7
									[illegible].3	[illegible]
									[illegible].2	3.4
									3.3	[illegible]
	.2								5.9	6.2
	.[illegible]								14.[illegible]	[illegible]
	.2								14.1	[illegible]
	.2								7.3	[illegible]
	.[illegible]								[illegible]	[illegible]
	.4								12.[illegible]	[illegible]
	.4	.1							[illegible].7	[illegible]
//////////									[illegible].1	//////////
	[illegible]	.1							100.0	[illegible]

[illegible] PERIOD OF [illegible] OBSERVATIONS [illegible]

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible]: UPPER MAYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
[illegible] - 0 MONTH: JUN HOURS: 09-11

DIR	WIND SPEED IN KNOTS 1-19	20-24	25-29	30-34	35-39	40-49	50-64	65 OR 65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	.1								5.7	6.5	6.0
[illegible]	.1								6.0	6.5	6.0
[illegible]	.[illegible]								7.9	6.[illegible]	6.0
[illegible]	.[illegible]								4.1	7.5	6.[illegible]
[illegible]									2.4	5.1	4.5
[illegible]	.1								3.[illegible]	6.5	[illegible].0
[illegible]	.[illegible]								5.3	6.3	6.5
[illegible]	.5	.3							9.1	8.[illegible]	8.5
[illegible]	[illegible].[illegible]	.[illegible]							13.[illegible]	[illegible].[illegible]	10.0
[illegible]	[illegible].[illegible]								[illegible].[illegible]	8.1	[illegible].[illegible]
[illegible]	.[illegible]								[illegible].4	[illegible].3	8.0
[illegible]	.[illegible]								11.[illegible]	7.3	7.[illegible]
[illegible]	.4	.2							[illegible].1	[illegible].5	[illegible].0
[illegible]	//								3.1	//////////////	
[illegible]	[illegible].[illegible]	.7							100.0	7.[illegible]	[illegible].0

[illegible] NUMBER OF OBSERVATIONS [illegible]99

OPERATING LOCATION "A"　　PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DI[illegible]
USAFETAC, ASHEVILLE NC　　FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]　　STATION NAME: UPPER HEYFORD RAF UK　　[illegible]
LST TO UTC: - 0　　MONTH: JU[illegible]

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
				WIND SPEED IN KNOTS					
(N) 350-010	1.7	3.1	.9	.2					
020-040	1.[illegible]	4.4	.[illegible]						
050-070	1.4	2.[illegible]	1.[illegible]	.5					
(E) 080-100	1.3	2.1	1.[illegible]	.4					
110-130	.[illegible]	.[illegible]	.[illegible]						
140-160	1.[illegible]	2.[illegible]	.[illegible]						
(S) 170-190	1.[illegible]	1.[illegible]	.[illegible]	.[illegible]					
200-220	1.[illegible]	[illegible]	3.[illegible]	1.0	.7				
230-250	1.[illegible]	.[illegible]	.[illegible]	1.7	.1				
(W) 260-280	1.1	4.3	4.4	1.7					
290-310	1.[illegible]	4.[illegible]	4.1	.7	.1				
320-340	[illegible]	4.4	1.7	.1					
VARIABLE		4.3	3.4	.6	.1				
CALM	//////////								
TOTALS	14.1	43.1	33.3	7.5	1.0				

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible]: JOINT MYERS AAF OK PERIOD OF RECORD: JUL 74 - JUN [illegible]
[illegible]: - 0 MONTH: JUN HOURS: 12-14

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
1-19	20-24	25-29	30-34	35-39	40-49	50-54	OR 55			
.2								5.9	6.5	7.1
								6.4	6.4	6.7
.5								5.3	4.3	[illegible]
.7								4.9	4.6	4.9
								7.2	7.2	7.5
								4.2	5.1	[illegible]
.3								4.3	7.4	7.9
1.9	.7							10.9	9.1	9.1
1.7	.1							14.7	10.1	10.3
1.7								11.5	10.1	10.7
.7	.1							10.7	9.9	9.9
.1								5.4	6.4	6.5
.5	.1							3.4	9.3	9.9
//								2.1	//////////	
7.3	1.2							100.0	8.5	8.9

TOTAL NUMBER OF OBSERVATIONS 900

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

STA NAME: UPPER HOLYOKE RAF NY PERIOD OF RECORD: JUL 73 - JUN 83
STA NO: - 0 MONTH: JUN HOURS: 15-17

WIND SPEED IN KNOTS											
1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.6	.2								6.2	6.6	6.0
.	.5								7.6	7.1	6.0
.3	.2								5.4	[illegible]	[illegible]
1.3	.4	.1							4.3	10.3	11.0
.5	.1								2.2	7.3	6.5
.	.1	.1							3.3	[illegible]	[illegible]
.3	.3								6.1	7.2	7.5
1.7	1.4	.4							9.7	9.3	10.0
.4	1.4	.4							14.1	10.3	10.0
.7	1.2	.1							10.6	9.4	9.5
.1	1.4								12.3	9.1	9.0
.	.4								3.3	7.5	7.0
5.1	.3								5.2	9.4	9.0
//									2.1	////////////	
92.7	9.3	1.1							100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 920

OPERATING LOCATION: MAY PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
ISABELLA, PUERTO RICO FROM HOURLY OBSERVATIONS

STATION NUMBER: 78526 STATION NAME: UPPER AIR FOR JAN PERIOD
EST TO UTC: - 0 MONTH

WIND DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 345-15	1.2	2.3	.9	.1					
16-45	1.1	4.3	1.3	.2					
46-75	1.1	4.1	1.7	.2					
(E) 76-105	1.7	2.3	1.4	.4					
106-135	.4	.6	.1						
136-165	.2	.6	.3	.2					
(S) 166-195	1.1	1.6	.4						
196-225	1.7	4.4	2.1	1.1	.1				
226-255	1.7	4.3	.4	.7	.2				
(W) 256-285	2.3	4.3	3.9	.2					
286-315	1.4	4.7	2.7	.2					
316-345	1.1	1.7	1.1						
VARIABLE		.9	.7	.1					
CALM	//								
TOTALS	17.3	41.4	22.1	3.4	.3				

TOTAL NUMBER OF OBSERVATIONS 472

...F FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
- ... MONTH: JUN HOURS: 16-20

WIND SPEED IN KNOTS										
-17	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1								7.2	5.0	4.0
.7								7.7	6.7	6.0
.7								6.7	6.8	7.0
.6								7.1	6.7	6.0
								1.1	6.2	6.5
.3								3.1	6.4	4.0
								3.8	6.5	6.0
1.1	.1							11.1	6.3	4.0
.7	.2							13.0	9.1	9.0
.3								10.1	7.3	7.0
.2								4.9	8.0	8.0
								15.6	5.0	6.0
.1								1.2	10.7	10.0
//////////								5.0	//////////	
1.4	.3							100.0	6.2	7.0

...BER OF OBSERVATIONS = 900

OPERATIONS LOCATION: NAW
USAFETAC, ASH VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM ONLY OBSERVATIONS

STATION NUMBER: 72[illegible] STATION NAME: UPPER [illegible] [illegible]
LST TO UTC: - 0

DIR-SPD (KTS)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-43
(N) 350-01	.0	.0	.0						
020-040	.0	.0	.0						
[illegible]	.0	.0	.0	.0					
(.) [illegible]	.0	.0	.0	.0					
110-130	.0	.0							
140-160	.0	.0	.0	.0					
(S) 170-190	.0	.0	.0	.0					
[illegible]	.0	.0	.0	.0					
[illegible]	.0	.0	.0	.0	.0				
(W) [illegible]	.0	.0	.0						
290-310	.0	.0	.0	.0					
320-340	.0	.0	.0						
VARIABLE	.0								
CALM	//								
TOTALS	.0	.0	.0	.0	.0				

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

: UPPER HEYFORD RAF UK   PERIOD OF RECORD: JUL 73 - JUN 80
: - 0   MONTH: JUN   HOURS: 21-23

-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								5.3	4.4	4.0
								3.9	5.1	4.5
.[illegible]								4.1	7.0	7.0
.2								5.6	6.5	5.5
								2.4	3.3	3.0
.1								2.2	4.[illegible]	3.5
.[illegible]								6.2	6.6	6.0
.4								10.7	6.3	6.0
.[illegible]	.2							14.1	7.[illegible]	7.0
								4.2	6.3	6.0
.3								9.0	6.6	6.0
								9.3	4.6	4.0
								.7	7.4	6.0
//////	//////	//////	//////	//////	//////	//////	//////	10.2	//////	//////
1.[illegible]	.2							100.0	6.5	6.0

NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND [illegible]
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] [illegible]
LST TO UTC: - [illegible] [illegible]

WIND SPEED IN KNOTS

DIRECTION	1-4	[illegible]	10-14	15-19	20-24	25-29	30-34	35-39	[illegible]
([illegible])									
([illegible]) [illegible]	[illegible].1	[illegible]	.[illegible]	.1					
[illegible]	.	[illegible]	.7	.[illegible]					
[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]					
([illegible]) [illegible]	1.[illegible]	[illegible]	1.[illegible]	.[illegible]	.[illegible]				
[illegible]	[illegible]	.7	.[illegible]	.[illegible]					
[illegible]	1.	1.1	.[illegible]	.1	.				
([illegible]) [illegible]	[illegible]	1.[illegible]	.[illegible]	.[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.				
[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.[illegible]				
([illegible]) [illegible]	[illegible]	[illegible].1	[illegible]	.[illegible]	.[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	.4	.[illegible]				
[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]					
VARIABLE	.	[illegible]	1.1	.3	.1				
CALM	//////////								
TOTAL	[illegible]	[illegible].7	[illegible]	4.2	.[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible]: UPPER [illegible] AIR FOR [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
[illegible]: - 0 MONTH: JUN HOURS: ALL

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
1-3	4-6	7-10	11-16	17-21	22-27	28-33	GE 34		WIND	WIND
.1								5.5	5.5	5.0
.[illegible]								7.[illegible]	[illegible].[illegible]	[illegible].0
.[illegible]								7.[illegible]	7.[illegible]	7.0
.[illegible]	.1							[illegible].7	7.3	7.0
.								[illegible].[illegible]	[illegible].[illegible]	[illegible].0
.1	.							[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
.[illegible]								[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
.[illegible]	.							[illegible]1.[illegible]	7.[illegible]	7.0
.	.[illegible]							[illegible]1.[illegible]	[illegible].[illegible]	[illegible].[illegible]
.[illegible]	.[illegible]							.[illegible]	.[illegible]	7.[illegible]
.[illegible]	.[illegible]							[illegible].7	7.[illegible]	7.[illegible]
.[illegible]								[illegible]1.[illegible]	[illegible].[illegible]	[illegible].[illegible]
.3	.1							[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
//								[illegible].[illegible]	//////////	
[illegible].[illegible]	.5							133.[illegible]	[illegible].[illegible]	7.[illegible]

[illegible] [illegible] [illegible] [illegible] OBSERVATIONS 72[illegible]

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

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JUN HOURS: ALL

[illegible] CEILING LESS THAN 200 FEET AND/OR VISIBILITY LESS THAN 1/2 MILE (800 METERS).
[illegible] VISIBILITY FROM 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

DIR	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-99	100 OR MORE	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]								5.4	5.3	5.0
[illegible]								15.7	[illegible]	[illegible]
[illegible]								12.1	7.5	7.0
[illegible]								[illegible]	[illegible]	[illegible]
								[illegible]	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
1.1	[illegible]							[illegible]	7.7	7.0
	[illegible]							10.6	[illegible]	[illegible]
								[illegible]	6.1	[illegible]
								[illegible]	[illegible]	[illegible]
								6.3	6.1	4.0
[illegible]										
[illegible]								6.3	[illegible]	
[illegible]	[illegible]							100.0	6.6	5.0

[illegible] OF OBSERVATIONS 1067

OPERATING LOCATION ??? PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WINDS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 35[illegible]3 STATION NAME: UPPER HEYFORD RAF UK PERIOD:
LST TO UTC: - 0 MONTH: J

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	[illegible]	1.[illegible]	.1						
020-040	[illegible].7	[illegible]	.[illegible]	.3					
050-070	[illegible].7	[illegible]	.[illegible]						
(E) 080-100	[illegible]	1.[illegible]	.1						
110-130	1.1	.1							
140-160	1.	.[illegible]							
(S) 170-190	[illegible]	1.[illegible]	.1						
200-220	[illegible]	[illegible]	1.7						
230-250	[illegible]	[illegible].1	[illegible].7						
(W) 260-280	[illegible]	4.[illegible]	.[illegible]	.1					
290-310	[illegible]	7.	1.[illegible]						
320-340	7.	[illegible].1	1.1	.1	.2				
VARIABLE									
CALM	//////////								
TOTALS	3[illegible]	4[illegible]	7.[illegible]	.[illegible]	.[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible]: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
[illegible]: - 0 MONTH: JUL HOURS: 00-02

WIND SPEED IN KNOTS										
16-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								5.0	4.2	4.0
.3								5.3	5.3	5.0
								5.3	5.2	5.0
								4.4	3.9	3.0
								1.2	2.7	2.0
								3.3	3.9	3.0
								4.3	4.4	4.3
								11.5	5.3	5.0
								14.4	5.3	5.0
.1								5.3	5.3	5.0
								13.3	5.1	5.0
.1	.2							14.1	5.2	4.0
//////////								3.6	//////////	
.3	.2							100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATIONS LOCATION: NAM PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI...
USARIEMA, NATICK, MA FROM HOURLY OBSERVATIONS

STATION NUMBER: 72606 STATION NAME: UPTON N Y (WSO) CAP 94 PERI...
LST INCTS: -5 MONTH: J

	WIND SPEED INCREMENTS									
WIND DIRECTION (TRUE DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	...
(N) 338-11	4.4	2.9	.4							
012-034	3.9	2.5	.5	.1						
035-057	3.4	1.9	.5							
(E) 058-101	1.9	.9								
102-124	.9	.9	.1							
125-147	.9	.5	.1							
(S) 148-169	1.2	1.9	.1							
170-192	1.7	2.9	1.4	.1						
193-214	1.4	1.9	1.7							
(W) 215-237	2.4	4.4	.9	.5						
238-259	2.9	1.7	1.4							
260-282	7.9	4.5	1.2	.3						
CALM										
VARIABLE	29.7	24.5	.2	.1						

TOTAL NUMBER OF OBSERVATIONS ...

...NTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

...: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 7? - JUN 88
...: - 0 — MONTH: JUL — HOURS: 03-05

WIND SPEED IN KNOTS 1?-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								7.7	4.5	4.0
.1								6.1	5.6	5.0
								4.[illegible]	5.3	5.0
								1.9	3.6	4.0
								1.3	4.4	3.0
								3.5	3.2	2.0
								6.3	4.4	4.0
.1								12.5	5.6	5.0
								11.5	5.3	5.0
.[illegible]								7.4	6.1	5.0
								12.2	6.3	5.0
.3								14.9	5.5	4.0
//////////////////								16.5	//////////	
.[illegible]								100.0	4.9	5.0

...AL NUMBER OF OBSERVATIONS 93?

OPERATING LOCATION: NAW
USAFTASC, KNOXVILLE, TN

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM - JULY - OBSERVATIONS

STATION NUMBER: 96-53 STATION NAME: UPPER MCKENZIE PAP JA
EST TO UTC: - 5

WIND DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-7	10-14	15-17	22-21	25-27	31-34	35-47
(1) 350-21	2.3	3.3	1.5	.2				
22-34	1.5	2.7	.9					
35-47	1.4	3.1	1.1	.3				
(2) 48-61	1.2	.7	.3					
62-74	1.3	.7		.2				
75-87	1.4	.9	.3					
(3) 88-101	1.4	1.4	.7	.1				
102-114	2.1	4.7	2.4	.7				
115-127	1.9	4.2	2.3	.1				
(4) 128-141	2.3	4.7	.9					
142-154	4.3	4.7	5.1	.3	.1			
155-167	4.2	4.9	3.1	.1				
VARIABLE		.1	.7					
CALM	//							
TOTALS	29.2	45.1	18.3	1.3	.1			

TOTAL NUMBER OF OBSERVATIONS 492

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

[illegible] KEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: JUL HOURS: 06-09

WIND SPEED IN KNOTS									
1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	GE 64	TOTAL %	MEAN WIND	MEDIAN WIND
												5.6	5.4	5.0
												5.0	6.1	5.5
												5.9	6.[illegible]	5.0
												3.9	4.7	4.0
												1.9	5.3	4.5
												2.4	4.3	3.0
												5.3	5.9	5.0
												12.2	7.0	7.0
												13.1	6.7	7.0
												7.5	6.6	7.0
.1												15.6	7.2	8.0
												13.0	6.7	7.0
												.6	10.6	10.5
//												7.1	//////////	
.1												100.0	6.2	7.0

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND VE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER [illegible] AFB, [illegible] PERIOD: [illegible]
LAT IN DEG: - [illegible] HOURS: [illegible]

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-43	[illegible]
(N) [illegible]	.3	[illegible]	1.2							
[illegible]	.3	[illegible]	2.3	.1						
[illegible]	1.1	[illegible]	1.4	.2						
(E) [illegible]	1.1	1.1	.3	.1						
[illegible]	2.3	1.3	.4							
[illegible]	1.[illegible]	1.4	.2							
(S) [illegible]	1.[illegible]	1.[illegible]	.[illegible]	.2						
[illegible]	1.2	[illegible].7	3.2	.2		.1				
[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].7	1.7						
(.) [illegible]	1.[illegible]	[illegible].[illegible]	2.2	.3						
[illegible]	[illegible].2	[illegible].[illegible]	[illegible].4	.4						
[illegible]	1.[illegible]	[illegible].[illegible]	[illegible].7	.2	.2	.1				
VARIABLE	.1	3.2	[illegible].[illegible]	.2						
CALM	//									
TOTALS	[illegible].[illegible]	[illegible].1	23.1	[illegible].3	.2	.2				

TOTAL NUMBER OF OBSERVATIONS [illegible]

T-3. FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER MAYFIELD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 83
- - MONTH: JUL — HOURS: 09-11

	WIND SPEED IN KNOTS									
-1	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								4.9	7.4	9.0
.1								6.6	8.4	8.0
.-								5.8	7.5	7.0
.1								3.1	5.4	5.0
								3.9	4.5	4.0
								3.1	5.1	5.0
.								4.3	6.2	6.0
.-		.1						9.9	9.1	8.5
.7								13.5	9.0	9.0
.-								10.6	7.9	8.0
.9								13.8	8.4	8.0
.	.2	.1						12.8	9.3	9.0
.1								6.5	9.6	9.0
//								3.5	//////////	
.-1	.2	.2						100.0	7.7	9.0

NUMBER OF OBSERVATIONS 330

OPERATING LOCATION NAME
USAFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 93553 STATION NAME: UPPER HEYFORD/KIDLINGTON
LST TO UTC: - 0 MONTH:

DIRECTION (DEG/10-S)	WIND SPEED IN KNOTS 1-3	4-7	10-16	17-21	22-27	28-33	34-40	41-47
(N) 350-11	1.7	2.7	1.1	.2				
020-034	1.2	3.3	1.4	.4				
050-074	1.9	3.1	1.0	.1				
(E) 080-104	1.4	2.0	.8	.2				
110-134	1.3	.9	.4	.1				
140-164	.1	.1	.2					
(S) 170-194	.5	1.7	1.9	.1				
200-224	1.1	2.7	3.	1.0				
230-254	.1	.9	3.3	1.9	.4			
(W) 260-284	1.1	4.1	4.	.5				
290-314	1.3	3.1	5.4	.4				
320-346	1.3	3.3	4.3	.7	.3			
VARIABLE		4.7	2.4	1.0				
CALM	//							
TOTALS	17.3	42.1	31.7	6.7	.3			

TOTAL NUMBER OF OBSERVATIONS 833

FAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
SRIM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 71 - JUN 89
: - 0 MONTH: JUL HOURS: 12-14

WIND SPEED IN KNOTS										
: -17	20-24	25-29	30-34	35-39	40-47	48-54	55 OR 65	TOTAL %	MEAN WIND	MEDIAN WIND
.2								5.9	5.7	5.0
.4								6.3	7.9	8.0
.1								5.4	6.9	6.0
.2								4.5	6.7	6.0
.1								2.6	6.4	6.0
								1.9	4.9	3.0
.1								3.3	3.1	3.0
1.0								6.5	9.5	10.0
1.3	.3							12.6	10.3	11.0
.7								11.5	8.7	9.0
.4								15.1	8.4	8.0
.	.3							12.6	8.5	8.0
1.0								9.1	9.9	9.0
//								1.7	//////////	
5.7	.3							100.0	8.3	8.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION NAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI[illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19
(N) 350-010	1.3	3.3	1.[illegible]	.1
020-040	1.[illegible]	[illegible].7	1.	.2
050-070	.	[illegible].7	1.[illegible]	
(E) 080-100	1.[illegible]	2.[illegible]	.[illegible]	.1
110-130	.[illegible]	.[illegible]	.[illegible]	
140-160	.	.[illegible]	.2	
(S) 170-190	1.[illegible]	[illegible].[illegible]	1.[illegible]	.1
200-220	1.[illegible]	[illegible].[illegible]	5.[illegible]	1.[illegible]
230-250	[illegible].	[illegible].[illegible]	.[illegible]	2.2
(W) 260-280	1.1	[illegible].[illegible]	4.[illegible]	1.[illegible]
290-310	1.[illegible]	[illegible].[illegible]	7.	1.[illegible]
320-340	1.	[illegible].[illegible]	[illegible].[illegible]	.[illegible]
VARIABLE		2.[illegible]	[illegible].[illegible]	.2
CALM	//////	//////	//////	//////
TOTAL	1[illegible].[illegible]	[illegible][illegible].1	[illegible][illegible].[illegible]	[illegible].[illegible]

WIND SPEED IN KNOTS: 1-4, 5-9, 10-14, 15-19, 20-24, 25-29, 30-34, 35-39, 40-44

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

STATION: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
[illegible]: - 0 MONTH: JUL HOURS: 15-17

WIND SPEED IN KNOTS

[illegible]	1[illegible]-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	.1								6.6	7.2	6.0
[illegible]	.2								6.9	7.7	7.0
[illegible]									4.[illegible]	7.[illegible]	[illegible]
[illegible]	.1								4.9	6.5	6.[illegible]
[illegible]									1.9	6.2	6.[illegible]
[illegible]									1.[illegible]	[illegible]	[illegible]
[illegible]	.1								5.1	7.3	7.0
[illegible]	1.[illegible]								[illegible].7	[illegible].2	10.[illegible]
[illegible]	2.2								12.[illegible]	10.[illegible]	10.0
[illegible]	1.6								11.[illegible]	9.3	[illegible]
[illegible]	1.[illegible]								15.[illegible]	9.2	9.5
[illegible]	.3								12.0	8.0	[illegible].0
[illegible]	.2								5.4	10.0	10.[illegible]
[illegible]	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.9	//////	//////
[illegible]	5.								100.0	8.4	[illegible].0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

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

PERIOD OF RECORD: JUL 76 - JUN 86
MONTH: JUL HOURS: 13-20

	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
.1								7.5	5.8	5.0
.2								5.5	6.9	5.0
	.1							7.5	7.0	7.0
								5.2	6.1	5.0
								1.5	3.4	3.0
								1.4	4.8	4.0
.3								5.4	6.2	7.0
.2								3.2	4.3	4.0
.								12.5	8.0	7.0
.								11.5	7.3	5.0
.2								13.6	7.4	7.0
								12.2	6.4	5.0
.1								.5	12.0	12.0
//								.2	//////////////	
.2	.1							100.0	6.1	7.0

NUMBER OF OBSERVATIONS 930

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

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK PERIOD: [illegible]
LST TO UTC: - 0 MONTH: [illegible]

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	[illegible]	[illegible]	.2	.2					
020-040	[illegible]	[illegible]	1.[illegible]	.1					
050-070	[illegible]	6.1	1.4						
(E) 080-100	[illegible]	1.[illegible]	[illegible]						
110-130	[illegible]								
140-160	[illegible]	[illegible]							
(S) 170-190	[illegible]	[illegible]	[illegible]						
200-220	[illegible]	[illegible]	1.[illegible]						
230-250	[illegible]	[illegible]	[illegible]	[illegible]					
(W) 260-280	[illegible]	[illegible]	.1						
290-310	[illegible]	[illegible]	[illegible]	.1					
320-340	[illegible]	[illegible]	1.2						
VARIABLE			.1	.1					
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	[illegible]	[illegible]	[illegible]	.7					

TOTAL NUMBER OF OBSERVATIONS [illegible]

QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: JUL HOURS: 21-23

WIND SPEED IN KNOTS									
[illegible]-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
							5.7	4.9	4.0
							5.3	5.7	5.0
							[illegible].4	5.1	5.0
							5.2	5.0	4.0
							.5	2.5	2.0
							2.2	3.5	3.5
							[illegible].[illegible]	5.5	5.0
							3.5	5.5	5.0
							15.3	7.0	7.0
							7.5	5.2	5.0
							10.4	5.7	5.0
							13.3	5.1	4.0
							.2	13.0	13.0
//							9.4	//////////////	
							100.0	5.2	5.0

OF OBSERVATIONS 930

OPERATING LOCATION: NAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13867 STATION NAME: UPPER HEYFORD RAF UK PERIOD MONTHS
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	2.3	2.3	.9	.1					
020-060	2.1	2.5	1.3	.2					
070-100	1.7	2.3	1.2	.1	.0				
(E) 110-130	1.3	1.5	.6	.1					
140-160	1.1	.5	.2	.1					
170-190	1.5	.7	.1						
(S) 200-220	2.0	2.1	.7	.1					
230-250	2.2	4.9	1.5	.2		.2			
260-280	2.3	4.4	3.6	.3	.0				
(W) 290-310	3.1	4.3	2.1	.4					
320-340	3.	5.1	4.1	.3	.1				
350-010	4.5	5.1	2.2	.2	.1	.1			
VARIABLE	.3	1.3	1.3	.2					
CALM	//								
TOTALS	27.7	42.3	29.2	3.1	.1				

TOTAL NUMBER OF OBSERVATIONS 7443

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

[illegible]: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 83
[illegible] - 3 MONTH: JUL HOURS: ALL

[illegible]	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.1								6.4	5.3	5.0
.3								6.1	6.7	6.0
.1	.0							6.0	6.6	6.0
.1								4.1	5.4	5.0
.0								1.0	4.0	4.0
								2.4	4.2	3.0
.1								4.0	5.0	5.0
.0		.0						10.1	7.5	7.0
.0	.0							13.3	8.1	8.0
.4								9.4	7.4	7.0
.0	.0							13.5	7.5	7.0
.2	.1	.0						13.1	6.6	6.0
.0								2.5	3.0	4.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	6.1	//////////	//////////
.1	.1							100.0	6.6	7.0

[illegible] NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "WAW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
FROM HOURLY OBSERVATIONS

STATION NUMBER: 93683 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CATEGORY A: CEILING OF 200 FEET BUT LESS THAN 1000 FEET WITH VISIBILITY OF 1/2
AND/OR
VISIBILITY OF 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	>=35	40-44
(A) 350-010	3.2	5.4	1.3	.1					
020-040	4.4	3.2	3.3	.4					
050-070	3.4	3.8	2.3	.1	.1				
(B) 080-100	1.5	1.1	.9						
110-130	.4	.4	.7	.3					
140-160	1.7	1.1	.7						
(C) 170-190	2.7	3.	1.7	.1					
200-220	4.7	5.7	4.6	.7					
230-250	1.4	7.3	4.5	.					
(D) 260-280	.7	1.1	.1						
290-310	1.4	1.5	.4						
320-340	1.9	3.4	1.6	.1					
VARIABLE									
CALM	//								
TOTALS	34.9	42.3	20.9	2.9	.1				

TOTAL NUMBER OF OBSERVATIONS 925

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

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 83
- 3 — MONTH: JUL HOURS: ALL

...

...N 1500 FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS).
...
...0 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

...

...-1...	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1								10.5	5.2	5.0
.								13.4	7.6	7.0
.1	.1							11.1	7.3	7.0
								8.6	5.-	5.0
.9								2.1	4.4	4.0
								2.6	5.3	5.0
.1								7.9	5.2	6.0
. .								15.2	7.-	7.0
.								14.4	5.5	4.0
								1.9	5.6	5.5
								3.6	5.4	5.0
.1								5.7	7.1	7.0

...

//	8.1	//////////
. . .1	100.0	6.6 7.0

...MBER OF OBSERVATIONS 925

...

OPERATING LOCATION MAW　　　　PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI[ND]
USAFETAC, ASHEVILLE NC　　　　FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]　　STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4[illegible]
(N) 350-010	2.[illegible]	1.9							
020-040	2.[illegible]	3.3	.4	.1					
050-070	[illegible]	2.[illegible]	.4						
(E) 080-100	[illegible]	.[illegible]	.1						
110-130	1.1	.3							
140-160	[illegible].7	1.[illegible]	.1						
(S) 170-190	[illegible]	[illegible].7	.[illegible]	.[illegible]					
200-220	[illegible]	[illegible]	2.7	.[illegible]					
230-250	[illegible].1	7.5	[illegible].3	.1					
(W) 260-280	[illegible]	4.5	1.[illegible]	.1					
290-310	[illegible]	4.4	.[illegible]	.[illegible]					
320-340	[illegible]	[illegible]	.[illegible]						
VARIABLE		.1	.1						
CALM	//////////////////								
TOTALS	[illegible].3	43.[illegible]	[illegible].4	2.[illegible]					

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] PEASE AFB NH PERIOD OF RECORD: JUL 74 - JUN 84
[illegible] MONTH: AUG HOURS: 00-02

WIND SPEED IN KNOTS									
[illegible]	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
								4.4	4.3	4.0
.1								6.5	5.5	5.0
								4.9	5.1	4.5
								4.6	3.8	3.0
								1.4	3.3	3.0
								3.4	4.1	4.0
.1								5.3	5.3	5.0
.1								15.9	5.9	5.0
.1								13.3	5.7	5.0
.1								8.7	5.1	5.0
.1								8.8	5.6	5.0
								12.7	5.9	5.0
								.2	3.5	3.5
//								3.4	//////////	
.1								100.0	5.3	5.0

[illegible] OF OBSERVATIONS 330

OPERATING LOCATION "B"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72403 STATION NAME: UPPER HEYFORD, ENGLAND
LST TO UTC: - 0

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-3	4-7	10-14	15-19	20-24	25-29	30-34	35-39	40-
(1) 350-010	1.7	3.5	.5						
020-040	2.5	2.2	.4						
050-070	2.2	1.9	.3						
(2) 080-100	1.7	1.1	.1						
110-130	1.3	.5	.1						
140-160	1.7	1.5	.1						
(3) 170-190	1.1	1.9	.3	.2					
200-220	.7	3.4	3.2	.9	.2	.1			
230-250	1.	2.3	1.7	.2					
(4) 260-280	1.2	2.3	1.3	.2					
290-310	1.1	1.7	.4	.2					
320-340	1.7	1.1	1.3	.1					
VARIABLE			.1						
CALM	//								
TOTALS	21.1	41.2	9.7	1.9	.2	.1			

TOTAL NUMBER OF OBSERVATIONS 2520

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

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 76 - JUN 8-
- 8 — MONTH: AUG — HOURS: 03-05

WIND SPEED IN KNOTS 1-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
								5.0	5.1	5.0
								5.1	5.1	4.0
								4.4	4.3	5.0
								2.7	4.3	4.0
								2.3	4.3	4.0
								4.3	4.7	4.0
.2								4.2	5.2	4.0
.7	.2	.1						16.2	7.3	5.0
.3								10.6	5.4	4.0
.2								5.2	5.7	5.0
.2								3.5	6.2	5.0
.1								14.2	5.5	5.0
.1								.1	15.0	15.0
//								11.9	//////////////	
1.0	.2	.1						100.0	5.2	5.0

NUMBER OF OBSERVATIONS 930

OPERATING LOCATION: WAM
USAMTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
HOURLY OBSERVATIONS

STATION NUMBER: 13583 STATION NAME: UPPER HEYFORD AAF UK
LST TO UTC: - 0

DIRECTION (FROM)	WIND SPEED (KNOTS) 1-4	5-8	9-12	13-14	15-19	20-24	25-29	30-34	35-39	40+
(N) 350-010	2.7	3.1	.4							
020-050	2.	2.3	1.2							
060-080	1.2	1.7	.4							
(E) 090-110	1.1	1.1	.2							
110-130	1.2	.3								
140-160	2.2	1.2	.1							
(S) 170-190	2.3	2.7	1.2	.1						
200-220	1.2	.2	.1	1.2	.2					
230-250	2.	2.2	1.2	.4	.1					
(W) 260-280	1.2	2.3	.	.						
290-310	1.	.6	.2	.1						
320-340	1.	.2	.1	.						
VARIABLE		.2	.1							
CALM	//									
TOTALS	22.1	24.4	5.2	2.2	.3					

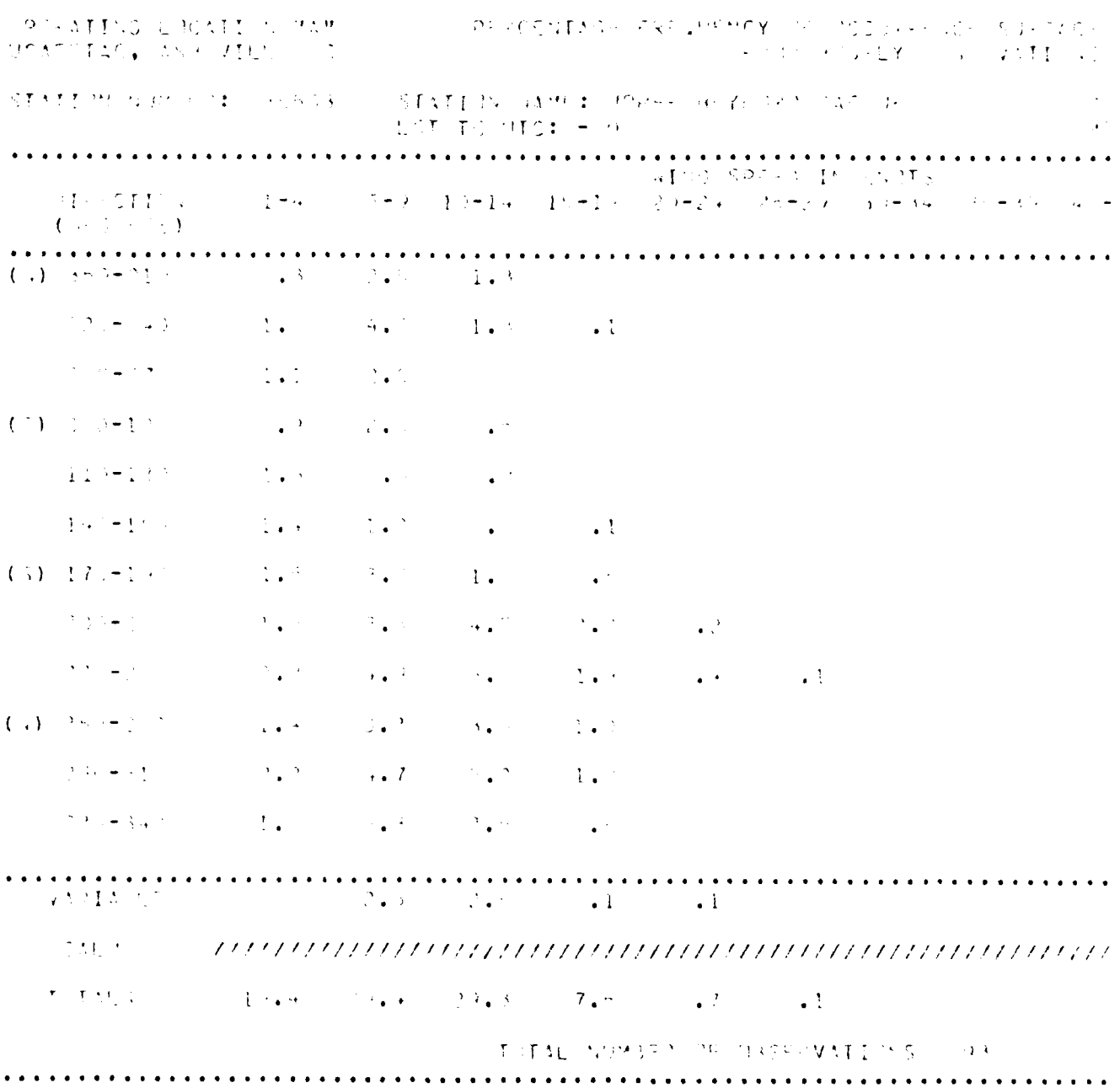
TOTAL NUMBER OF OBSERVATIONS 432

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] KEYPORT PAP JK PERIOD OF RECORD: JUL 73 - JUN 78
[illegible] MONTH: AUG HOURS: 06-09

[illegible]	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								6.6	5.4	5.0
								5.3	5.0	5.0
								3.[illegible]	5.5	5.0
								2.4	5.7	6.0
								2.[illegible]	3.[illegible]	4.0
								4.1	4.[illegible]	4.0
.1								5.2	[illegible].4	5.[illegible]
.	.2							17.[illegible]	.1	[illegible].0
..	.1							1[illegible].1	7.1	7.0
.								9.2	7.5	7.0
.1								[illegible].	7.7	[illegible].0
.								13.1	[illegible].[illegible]	[illegible].0
								.3	9.3	[illegible].0
//								7.[illegible]	//////////////	
..	.3							100.0	6.3	6.0

[illegible] OF OBSERVATIONS 911



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

[illegible] 40-YEARS RAF [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: AUG HOURS: 00-11

	WIND SPEED IN KNOTS									
	21-24	25-29	30-34	35-39	40-49	50-64	65 &	TOTAL %	MEAN WIND	MEDIAN WIND
								5.0	6.5	6.0
.1								7.2	7.1	7.0
								3.1	5.5	5.0
								3.4	5.4	5.0
								2.5	4.[illegible]	4.0
								3.3	5.4	5.0
								6.6	7.[illegible]	[illegible].0
	.2							12.2	10.[illegible]	10.0
	.4	.1						10.4	10.[illegible]	10.0
								[illegible].6	9.1	9.0
								13.0	9.0	9.0
								[illegible].[illegible]	.4	[illegible].0
	.1							5.3	9.7	10.0
//								3.7	//////////////	
	.7	.1						100.0	9.2	[illegible].6

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION "A"
ASHEVILLE, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13873 STATION NAME: ASHEVILLE CAP USA PERIOD
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47
(N) 338-022	1.3	3.3	1.8						
023-067	.9	1.5	.8	.1					
068-112	1.1	2.7	.4						
(E) 113-157	.9	1.1	.4	.2					
158-202	1.1	1.3	.3						
203-247	1.	1.2	.1	.3					
(S) 248-292	.3	1.3	2.4	.2	.1				
293-337	1.7	3.3	5.2	2.5	.5	.2			
000-022	1.1	3.1	4.	3.9	.9	.1			
(W) 023-067	1.3	4.3	3.7	1.3					
068-112	1.4	4.3	4.5	1.4					
113-157	1.2	4.2	1.4	.3	.1				
VARIABLE		4.2	3.2	.2					
CALM	//								
TOTALS	14.3	33.8	31.4	10.2	1.5	.3			

TOTAL NUMBER OF OBSERVATIONS 739

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

[illegible] MEYERS RAF UK PERIOD OF RECORD: JUL 75 - JUN 83
MONTH: AUG HOURS: 12-14

WIND SPEED IN KNOTS									
[illegible]	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								5.5	5.3	5.0
.1								3.3	7.0	7.0
								4.4	6.7	7.0
								2.8	7.7	8.0
								3.1	5.8	5.0
								2.6	6.5	5.0
.1								4.7	9.4	10.0
.5	.2							13.1	11.2	12.0
.7	.1							15.	11.9	12.0
								10.9	9.3	9.0
								12.3	9.4	9.0
.1								9.2	7.3	7.0
								3.4	3.5	3.0
//								1.3	//////////	
1.5	.3							100.0	9.1	9.0

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13883 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(*) 350-010	2.3	4.0	.7						
020-040	1.1	3.3	.4						
050-070	.3	2.3	.1						
(*) 080-100	.3	1.2	.2						
110-130	1.1	1.5	.3						
140-160	1.4	2.2	.2						
(*) 170-190	.7	1.4	1.2	.1					
200-220	1.3	3.4	4.5	2.5	.4	.1			
230-250	1.4	4.1	7.4	3.1	.4	.1			
(*) 260-280	1.4	4.2	5.3	1.6	.2				
290-310	2.7	4.4	4.1	1.4	.2				
320-340	3.4	5.3	2.5	.5					
VARIABLE		2.3	1.2	.4					
CALM	//								
TOTALS	17.2	53.4	37.4	9.3	1.7	.3			

TOTAL NUMBER OF OBSERVATIONS 330

T[illegible]E FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: [illegible] HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 78
- 2 — MONTH: AUG — HOURS: 15-17

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
								6.6	6.1	6.0
								5.3	6.5	7.0
								3.2	6.4	6.0
								2.2	7.3	6.0
								2.9	5.5	5.0
								4.3	6.0	6.0
.[illegible]								3.3	8.7	9.0
.6	.4	.1						12.0	11.3	11.0
.[illegible]	.4	.1						15.2	11.[illegible]	12.0
1.[illegible]	.2							13.0	10.0	10.0
1.4	.2							12.9	8.9	9.0
.7								1[illegible].6	7.2	6.0
.8								4.9	10.5	9.5
//								1.0	////////////	
.[illegible]	1.7	.2						100.0	8.9	9.0

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION WAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13583 STATION NAME: UPPER HEYFORD RAF UK PERI
LST TO UTC: - 0 MONTH

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(1) 350-010	3.7	2.6	.2						
020-040	1.7	3.2	.3						
050-070	1.9	2.2	.4						
(2) 080-100	2.4	1.5	.2	.1					
110-130	1.7	.8		.2					
140-160	1.1	1.4	.4	.1					
(3) 170-190	.7	2.2	.7	.4					
200-220	1.4	.7	3.2	1.3					
230-250	1.7	7.3	4.1	1.7	.1				
(4) 260-280	2.2	4.4	3.1	.5					
290-310	1.2	3.1	1.4	.5	.2				
320-340	2.4	4.1	2.4	.1					
VARIABLE		.3	.2						
CALM	//								
TOTALS	23.9	43.9	20.2	4.9	.5				

TOTAL NUMBER OF OBSERVATIONS 439

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

AME: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 84
T: - 0 MONTH: AUG HOURS: 18-20

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
1-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
								5.3	4.4	4.0
								5.1	6.0	6.0
								4.5	5.4	5.0
.1								4.3	4.8	4.0
.2								3.7	4.7	4.0
.1								3.6	5.3	5.0
.4								4.3	6.0	7.0
1.3								11.0	8.3	7.5
1.7	.1							13.9	9.5	10.0
.5								11.4	7.5	8.0
.5	.5							11.3	7.5	7.0
.1								11.6	5.9	5.5
								.5	9.4	9.0
//////////								5.5	//////////	
4.9	.6							100.0	6.9	7.0

TAL NUMBER OF OBSERVATIONS 830

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND D
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3453-3 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH: A

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	5
(N) 350-010	3.2	1.3								
020-040	1.2	4.3	.3	.1						
050-070	4.1	3.4	.2							
(E) 080-100	3.2	1.2	.1							
110-130	1.4	.5	.1	.2						
140-160	1.3	1.1	.1	.2						
(S) 170-190	1.2	3.3	1.3	.1						
200-220	2.1	5.2	2.2	.3	.1					
230-250	3.3	3.2	4.	.2						
(W) 260-280	4.0	2.2	1.5	.3						
290-310	2.2	4.3	1.2	.4	.3					
320-340	4.2	4.2	1.0							
VARIABLE										
CALM	//									
TOTALS	34.3	43.2	12.	2.0	.4					

TOTAL NUMBER OF OBSERVATIONS 93

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

NAME: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 76 - JUN 84
UTC: - 0 MONTH: AUG HOURS: 21-23

	WIND SPEED IN KNOTS										
	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
									4.5	3.7	4.0
	.1								5.3	5.2	5.0
									5.1	5.1	4.0
									3.4	4.2	4.0
	.2								2.0	5.3	5.0
	.2								2.7	5.2	5.0
	.1								5.7	6.6	6.0
	.5	.1							12.5	7.4	7.0
	.6								17.4	7.2	7.0
	.3								10.0	6.6	6.0
	.4	.3							8.3	7.2	6.0
									12.2	4.9	4.0
//////////									7.7	//////////	
	2.0	.4							100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 983

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIO
LST TO UTC: - 0 MONTH

DIRECTION (TRUE)	1-4	5-9	10-14	15-19	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49
(N) 350-010	2.0	2.7	.6						
020-040	1.9	3.1	.9	.1					
050-070	1.7	2.2	.4						
(E) 080-100	1.6	1.3	.3	.0					
110-130	1.3	.9	.1	.1					
140-160	1.7	1.3	.3	.1					
(S) 170-190	1.7	2.3	1.1	.3	.0				
200-220	2.6	5.3	3.5	1.4	.2	.1			
230-250	3.4	5.3	4.1	1.4	.3	.1			
(W) 260-280	3.1	4.5	2.5	.7	.2				
290-310	2.4	4.8	2.5	.7	.1				
320-340	4.3	5.5	1.7	.5	.1				
VARIABLE		1.4	1.3	.1	.0				
CALM	//								
TOTALS	29.4	41.8	19.1	5.2	.5	.1			

TOTAL NUMBER OF OBSERVATIONS 7440

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

[illegible]: JOINT HOYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 83
[illegible] - 0 MONTH: AUG HOURS: ALL

WIND SPEED IN KNOTS										
[illegible]-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
								5.0	5.4	5.0
.1								5.5	5.1	5.0
								4.3	5.5	5.0
.0								3.3	5.3	4.0
.1								3.4	4.9	4.0
.1								3.0	5.2	5.0
.3	.0							5.6	7.1	6.0
1.4	.2	.1						13.1	6.7	6.0
1.4	.3	.0						15.3	9.2	9.0
.7	.0							9.4	6.0	5.0
.7	.1							10.5	6.0	5.0
.3	.1							11.3	6.3	6.0
.1	.0							2.5	9.3	9.0
////	////	////	////	////	////	////	////	6.1	////////////	
4.2	.5	.1						100.0	7.0	7.0

[illegible] NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "MA"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
FROM ASHEVILLE OBSERVATIONS

STATION NUMBER: 93053 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CATEGORY A: CEILING OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2
AND/OR
VISIBILITY OF 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	10-14	15-19	20-24	25-29	30-34	35-39	40+
(1) 350-010	3.	4.1	1.3						
020-060	3.3	4.1	2.4	.3					
070-100	2.3	4.3	.7						
(2) 110-130	2.3	2.3	.3						
140-170	1.3	.3	.4	.3					
180-210	1.7	2.1	.7	.3					
(3) 220-240	3.3	4.3	3.1	.3	.1				
250-290	3.	5.4	4.3	1.3	.3				
300-330	1.3	4.1	1.3	.3					
(4) 340-350	.3	1.3	.3						
360-080	1.1	1.3	.	.1	.3				
090-130	3.3	5.4	1.1		.1				
VARIABLE									
CALM	//								
TOTALS	27.2	44.4	16.7	3.3	.7				

TOTAL NUMBER OF OBSERVATIONS 299

...QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

...YFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: AUG HOURS: ALL

... FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS).

...3) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

...D SPEED IN KNOTS

1-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
							10.2	5.0	5.0
							12.1	7.1	7.0
							3.0	6.0	6.0
							2.2	4.9	4.0
							2.2	5.7	5.0
							4.3	6.0	6.0
.1							11.4	8.0	8.0
.1							15.3	9.1	9.0
							3.2	7.5	7.0
							1.7	6.3	6.0
.1							2.4	7.6	8.0
.1							11.2	6.2	6.0

// 7.0 ////////////

.7 100.0 6.6 7.0

...F OBSERVATIONS 882

OPERATIONS ANALYSIS WAW
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FOR JANUARY (ALL YEARS)

STATION NUMBER: 53873 STATION NAME: UPPER MOHAWK GAP, NY
LST TO UTC: - 5

WIND DIR (TRUE) (TENS-UNITS)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(1) 350-01	2.7	1.1							
02-04	2.3	1.2	.2						
05-07	1.	1.1	.3						
(2) 08-10	.2	.1							
11-13	1.2	.5	.3						
14-16	2.2	1.1	.3						
(3) 17-19	2.1	2.2	1.2						
20-22	2.2	1.	3.	.2	.3	.1			
23-25	1.	2.2	2.2	.2	.2	.1			
(4) 26-28	2.1	3.7	1.2	.3	.1				
29-31	2.2	2.1	1.1						
32-34	3.1	2.2	.1						
VARIABLE		.2	.1						
CALM	//								
TOTALS	24.1	19.7	12.7	1.	.7	.3			

TOTAL NUMBER OF OBS AVAILABLE 993

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FOR MARQUEE OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: SEP HOURS: 00-02

WIND SPEED IN KNOTS									
1-24	25-27	28-33	34-40	41-47	48-55	56 OR >	TOTAL %	MEAN WIND	MEDIAN WIND
							3.8	3.9	4.0
							3.7	4.6	4.0
							3.1	4.0	4.3
							1.2	4.5	4.7
							2.5	4.2	3.8
							6.1	3.7	3.0
							11.3	4.2	4.3
.3	.1						15.7	7.2	6.3
.3	.1						15.1	7.1	7.1
.1							7.9	6.9	6.3
							4.3	4.2	4.3
							5.7	4.4	4.3
							.3	11.7	13.3
//							100.4	//////////	
.7	.3						100.3	5.4	5.3

[illegible] OBSERVATIONS 900

OPERATING LOCATION: MAW
USATTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 93053 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
(A) 350-010	2.4	1.4	.1						
020-040	2.1	1.1							
050-070	.	1.1	.2						
(B) 080-100	1.1	.7	.1						
110-130	1.1	.4	.1						
140-160	3.4	3.4	.3						
(C) 170-190	4.4	4.7	1.7	.3					
200-220	2.1	3.2	2.1	.2					
230-250	2.1	5.1	3.3	1.3	.7				
(D) 260-280	1.7	2.4	.7	1.1					
290-310	1.1	1.1	1.1	.2					
320-340	1.1	1.1	.3						
VARIABLE			.1						
CALM	//								
TOTALS	30.7	41.2	11.1	2.3	.7				

TOTAL NUMBER OF OBSERVATIONS 292

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

: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
: - 9 MONTH: SEP HOURS: 03-05

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
-1	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
								4.0	4.1	4.0
								3.9	4.3	4.0
								2.9	5.7	6.0
								2.6	3.3	3.0
								3.6	4.1	4.0
								4.1	4.6	4.0
.4								11.1	5.0	5.0
.3								14.7	6.4	6.0
1.	.7							10.9	7.4	7.0
1.								8.9	7.6	8.0
.3								8.1	6.7	6.0
								5.6	5.1	4.0
								.1	12.0	12.0
//								11.3	//////////	
1.3	.7							100.0	5.5	5.0

CASES OF OBSERVATIONS 300

OPERATIONAL CLIMATOLOGY "A"
USAFETAC, ASH VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE .I
FROM HOURLY OBSERVATIONS

STATION NO (WBAN): 26853 STATION NAME: UPPER HEY-DAR AAF JA
LST TO UTC: - 0

WIND DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(1) 350-010		1.3	.1						
020-040	1.1	1.4	.2						
050-070	1.	1.1	.4						
(2) 080-100	1.4	1.2	.1						
110-130	1.2	.7	.1						
140-160	2.1	2.2	.2	.1					
(3) 170-190	.2	3.2	1.2	.7					
200-220	.3	4.4	4.1	.1					
230-250	4.1	7.2	5.2	.7	.2				
(4) 260-280	2.	5.1	.4	.2	.4				
290-310	2.4	3.7	1.2	.3	.1				
320-340	1.	3.1	.3	.1					
VARIABLE		.1	.1						
CALM	//								
TOTALS	22.6	35.5	14.2	2.1	.7				

TOTAL NUMBER OF OBSERVATIONS 283

...NTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

...: UPPER HEYFORD RAF UK   PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
...: - [illegible]   MONTH: SEP   HOURS: 06-08

WIND SPEED IN KNOTS 1[illegible]-1[illegible]	20-24	25-2[illegible]	30-34	3[illegible]-[illegible]	[illegible]-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								3.4	4.5	4.0
								2.9	5.2	5.0
								2.7	5.7	5.0
								3.0	4.7	4.0
								2.0	4.1	2.5
.1								5.3	5.1	5.0
.7								1[illegible]	5.3	5.0
.1								13.1	6.4	6.0
.7	.2							16.9	[illegible]	[illegible]
.[illegible]	.4							9.0	7.7	6.0
.[illegible]	.1							6.[illegible]	[illegible]	8.0
.1								7.0	4.9	4.5
								.2	9.0	9.0
//////////								9.3	//////////	
2.[illegible]	.7							100.0	6.0	6.0

...NUMBER OF OBSERVATIONS [illegible]900

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER MCKENZIE RAP UK PERI
LST TO UTC: - 0 MONT-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	.9	1.3	.7	.1					
020-040	.7	1.4	.9						
050-070	1.1	2.3	.4						
(E) 080-100	.2	2.9	1.9						
110-130	1.[illegible]	.[illegible]							
140-160	1.1	1.4	.[illegible]	.3					
(S) 170-190	3.7	4.2	3.1	1.2	.3				
200-220	[illegible]	[illegible]	[illegible]	1.7					
230-250	[illegible]	[illegible]	.3	2.1	.1				
(W) 260-280	2.3	3.[illegible]	3.[illegible]	1.7	.[illegible]	.3			
290-310	[illegible]	2.3	[illegible]	1.3	.7	.1			
320-340	1.[illegible]	[illegible]	2.3		.2				
VARIABLE		1.[illegible]	1.7	.1					
CALM	//								
TOTALS	17.4	36.5	32.6	8.5	1.9	.4			

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: SEP HOURS: 09-11

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.1								3.0	7.0	8.0
								3.2	7.1	7.0
								3.6	6.1	6.0
								3.2	7.0	7.0
								1.9	5.2	4.0
.1								3.7	7.4	6.0
1.1	.3							12.6	8.2	6.0
1.7								10.0	9.4	9.0
2.1	.1							16.6	10.6	11.0
1.7	.5	.3						11.9	10.7	10.0
1.3	.7	.1						9.0	10.7	11.0
	.5							5.7	9.1	7.5
.1								3.6	9.6	9.5
//								2.9	//////////	
.5	1.9	.4						100.0	9.3	9.0

NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTHS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	.7	1.3	.4	.2					
020-040	.2	1.7	.6						
[illegible]	.[illegible]	2.1	.4						
(E) [illegible]	.[illegible]	.7	.[illegible]						
110-130	1.3	1.4	.4						
140-160	1.4	1.[illegible]	.2	.7					
(S) 170-190	1.2	4.3	3.[illegible]	.7	.2				
200-220	1.[illegible]	4.1	4.1	2.1	.5				
230-250	1.[illegible]	[illegible]	[illegible]	3.2	.[illegible]	.1			
(W) 260-280	.[illegible]	3.2	6.2	2.4	1.2	.2			
290-310	1.2	4.2	4.4	2.1	.3				
320-340	1.2	3.1	1.4	.4	.1				
VARIABLE		2.2	3.1	.7					
CALM	//								
TOTALS	13.[illegible]	34.7	32.2	13.5	3.[illegible]	.3			

TOTAL NUMBER OF OBSERVATIONS 4[illegible]

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

[illegible] YEARS RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: SEP HOURS: 12-14

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]-24	25-29	30-34	35-39	40-49	50-64	GE 65			
							2.7	7.4	8.0
							1.8	7.5	7.0
							3.4	5.7	6.0
							2.0	6.7	7.0
							3.2	5.7	5.0
							4.1	7.3	6.0
.3							9.6	8.9	9.5
.9							14.3	10.6	11.0
.	.1						14.9	11.3	12.0
1.2	.2						11.8	12.4	11.0
.8							11.9	10.6	11.0
.1							7.0	7.4	7.0
							7.7	9.3	9.0
//							2.0	//////////	
.	.3						100.3	9.7	10.0

[illegible] OBSERVATIONS 900

OPERATING LOCATION: NAM PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HOLSTEAD TAF OK PERI
LST TO UTC: + 0 MONT

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.7	2.1	.4						
020-040	.3	1.6	.4	.1					
[illegible]	.4	1.[illegible]	.3						
(E) [illegible]	.4	1.2	.2						
110-130	1.3	.9	.3		.1				
140-160	[illegible]	[illegible]	.7	.3	.1				
(S) 170-190	1.7	[illegible]	3.2	.7					
200-220	1.[illegible]	5.[illegible]	4.4	1.1	.4	.1			
230-250	1.1	4.[illegible]	[illegible]	3.3	1.3				
(W) 260-280	.[illegible]	[illegible]	[illegible]	[illegible]	1.3				
290-310	1.2	3.3	4.2	.2	.3				
320-340	1.[illegible]	[illegible]	1.1	.4					
VARIABLE		1.2	1.1	.1	.3				
CALM	//								
TOTALS	17.4	39.3	33.3	7.3	3.4	.1			

TOTAL NUMBER OF OBSERVATIONS 900

QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: SEP HOURS: 15-17

D SPEED IN KNOTS									
	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.2	6.1	6.0
							2.4	7.6	8.0
							2.6	6.6	7.0
							1.9	6.0	6.0
.1							2.7	6.6	6.6
.1							5.7	6.9	6.0
							10.4	8.4	8.0
.4	.1						12.3	9.0	9.0
.7							19.0	11.4	11.0
.5							13.6	11.2	11.0
.3							12.0	9.4	9.0
							6.6	7.2	6.0
.3							2.9	11.6	10.0
//							3.4	//////////	
..	.1						100.0	9.0	9.0

OBSERVATIONS 900

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM MODIFY "AS" OBSERVATIONS

STATION NUMBER: 35533 STATION NAME: UPPER HEYFORD (AF) UK PERIOD:
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	3.5	.9							
020-040	7.1	2.0		.2					
050-070	1.4	.9	.5						
(E) 080-100	.7	.7	.3						
110-130	2.1	1.1							
140-160	2.9	2.4	.2	.1	.1				
(S) 170-190	5.1	4.5	2.1	.1	.2				
200-220	5.1	.1	1.9	.3	.1				
230-250	2.7	7.2	4.4	1.4	.2				
(W) 260-280	2.9	4.5	2.6	.2					
290-310	4.	4.4	1.1	.4					
320-340	3.9	2.4	.2						
VARIABLE									
CALM	//								
TOTALS	41.1	40.4	15.2	4.3	.6				

TOTAL NUMBER OF OBSERVATIONS 933

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

[illegible] BEVERLY AIR [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 83
MONTH: SEP HOURS: 18-20

WIND SPEED IN KNOTS									
20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.3	3.3	3.0
							4.6	5.5	5.0
							3.3	5.3	5.0
							1.9	5.0	5.0
							3.2	4.3	4.0
.1							6.0	5.7	5.[illegible]
.2							10.1	7.2	7.0
.1							15.1	7.7	7.0
.3							17.4	8.5	8.0
							11.9	7.9	7.0
							10.0	7.0	6.0
							6.3	5.3	4.5
//							7.1	//////////////	
.5							100.0	6.4	7.0

[illegible] OF OBSERVATIONS 300

OPERATING LOCATION "AM"
USAFTAC, ASH VILLE, N C

PERCENTAGE FREQUENCY OF OCCURRENCE, SURFACE
JANUARY

STATION NUMBER: [illegible] STATION NAME: [illegible] MAP ID
LST TO UTC: - 0

(KTS) STATE (FROM)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
WIND SPEED IN KNOTS									
(.) [illegible]	[illegible]	1.1	.1						
[illegible]	[illegible]	1.4		.2					
[illegible]	.	1.4	.4						
(.) [illegible]	1.6	1.1	.1						
[illegible]	1.7	.4							
[illegible]	[illegible]	1.7	.3						
(.) [illegible]	[illegible]	[illegible]	1.4	.3		.1			
[illegible]	[illegible]	7.4	[illegible]	.1	.4				
[illegible]	[illegible]	[illegible]	[illegible]	1.1	.1				
(.) [illegible]	[illegible]	[illegible]	1.4	.4					
[illegible]	[illegible]	[illegible]	1.1	.2					
[illegible]	[illegible]	[illegible]	.4						
VARIABLE			.2						
CALM	//								
TOTALS	[illegible]	41.1	13.4	2.4	.7	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] OF OCCURRENCE [illegible] DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBS VALUES

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUL [illegible]
[illegible] HOUR: 5[illegible] HOURS: 21-23

[illegible] SPEED IN KNOTS							TOTAL	MEAN (KTS)	MEDIAN (KTS)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
							[illegible].9	[illegible].[illegible]	[illegible].[illegible]
							[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
							[illegible].1	[illegible].[illegible]	[illegible].[illegible]
							[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
							[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
							[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
	.1						10.1	[illegible].[illegible]	[illegible].[illegible]
.[illegible]							1[illegible].1	[illegible].[illegible]	[illegible].[illegible]
.[illegible]							[illegible]1.1	[illegible].[illegible]	[illegible].[illegible]
							[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
							[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
							[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
							.[illegible]	1[illegible].[illegible]	1[illegible].[illegible]
[illegible]							[illegible].[illegible]	[illegible]	
.[illegible]	.[illegible]						1[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]

[illegible] [illegible]

OPERATING LOCATION: NAW
USSEPAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13873 STATION NAME: HOPPER MEMORIAL AP NC
LST IDENTIFIC: - 0

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(DEGREES)									
(*) 350-010	2.1	1.3	.2	.0					
020-040	1.0	1.3	.2	.1					
050-070	1.0	1.7	.4						
(*) 080-100	1.2	1.0	.3						
110-130	1.0	.3	.1		.0				
140-160	.0	.2	.0	.0	.0				
(*) 170-190	4.7	4.3	1.3	.1	.1	.0			
200-220	4.	3.1	4.2	.1	.1	.1			
230-250	4.1	2.0	1.1	1.1	.1	.0			
(*) 260-280	1.	.6	1.0	1.2	.1	.1			
290-310	1.1	1.7	1.0	.1	.1	.1			
320-340	1.1	1.1	.1	.1	.1				
VARIABLE		.1	.1	.2	.1				
CALM	//								
TOTALS	19.1	31.5	21.7	5.7	1.4	.1			

TOTAL NUMBER OF OBSERVATIONS 7344

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: SEP HOURS: ALL

WIND SPEED IN KNOTS									
[illegible]	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
								3.7	4.9	4.0
.1								3.8	5.6	5.0
								2.4	5.9	5.0
								2.8	5.7	5.0
	.1							2.3	6.6	6.0
.1	.1							4.0	6.7	6.0
.1	.1	.0						10.7	7.2	6.0
.1	.1	.1						14.2	7.3	7.0
.1	.1	.1						13.7	8.1	8.0
.1	.1	.0						8.9	8.3	8.0
.1	.1	.1						8.8	8.8	8.0
.1	.1							6.5	8.0	8.0
.0	.0							1.9	10.8	10.0
//								7.0	//////////	
.1	1.6	.1						100.0	7.1	7.0

[illegible] OBSERVATIONS 7200

...AGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

...: UPPER HEYFORD (AF) UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
... - 0 MONTH: SEP HOURS: ALL

...AL 1500 FEET WITH VISIBILITY OF 1/2 MILE (1000 METERS).
...(4...
(...0 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

	WIND SPEED IN KNOTS									
1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56 OR MORE	TOTAL	MEAN WIND	MEDIAN WIND
.2											5.2	5.3	5.0
.4											[illegible]	5.	5.0
											7.1	5.4	5.0
											4.[illegible]	5.7	5.[illegible]
											4.4	4.4	4.3
.	.1										7.[illegible]	6.[illegible]	6.[illegible]
.											15.[illegible]	7.[illegible]	6.[illegible]
.	.[illegible]										1[illegible].4	[illegible].3	5.[illegible]
.[illegible]	.4										13.3	[illegible].[illegible]	10.[illegible]
.1	.1										1.4	5.[illegible]	[illegible].5
											1.[illegible]	5.	5.[illegible]
.1											[illegible].[illegible]	4.3	4.[illegible]
[illegible]											[illegible].5	//////////	
..	1.[illegible]										100.[illegible]	5.4	5.[illegible]

...[illegible] OF OBSERVATIONS LESS

OPERATIONAL LOCATION: WAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM SUPPLY DATA UNTIL

STATION NUMBER: 3[illegible] STATION NAME: [illegible] [illegible]
LST TO UTC: - 5

DIRECTION (TOWARD)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N)	[illegible]	[illegible]	.1						
	[illegible]	[illegible]	.[illegible]						
	[illegible]	[illegible]	.[illegible]						
(E)	[illegible]	[illegible]	.[illegible]						
	[illegible]	[illegible]	.						
	[illegible]	[illegible]	.1	.1					
(S)	[illegible]	[illegible]	1.	.[illegible]	.[illegible]				
	[illegible]	[illegible]	[illegible]	1.[illegible]					
	[illegible]	[illegible]	[illegible]	1.[illegible]					
(W)	[illegible]	[illegible]	1.[illegible]	1.[illegible]	.1				
	[illegible]	[illegible]	.[illegible]	.1	.1				
	[illegible]	[illegible]	1.[illegible]						
VARIABLE			.1						
CALM	//								
TOTALS	[illegible]	[illegible]	14.7	5.2	.2	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] AFB KAFB NM PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: OCT HOURS: 00-02

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
								3.7	4.1	3.5
								4.4	4.5	4.3
								5.5	5.5	5.3
								4.2	4.7	4.3
								4.1	4.3	4.3
.1								5.3	4.3	4.3
.1		.1						10.5	7.1	6.5
.1								15.3	7.5	7.3
.1								14.1	7.3	7.3
.1	.1							7.2	7.3	7.3
.1	.1							4.5	7.7	7.3
								7.4	6.3	6.3
								.1	14.3	14.3
//								10.3	//////////	
.1	.1	.1						100.3	6.2	6.3

NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: [illegible] [illegible]
LST DIFFS: - 0 [illegible]

	WIND SPEED IN KNOTS								
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(4) 350-01	1.3	1.4	.6						
020-04	1.7	2.2	.2						
[illegible]	1.1	2.3	.3						
(3) 080-1[illegible]	2.3	2.4	.4						
11[illegible]	2.3	.8	.4						
14[illegible]	2.4	3.3	1.1		.1				
(5) 17[illegible]	2.1	3.1	1.3	.2	.2				
[illegible]	1.3	.7	3.4	1.7	.3				
23[illegible]	2.3	7.2	3.3	.4					
(4) 2[illegible]	.3	2.3	1.1	.3	.1				
[illegible]	.	1.3	1.1	.3					
3[illegible]	1.2	4.1	.2	.3					
CALM	//								
TOTALS	[illegible].3	39.7	14.	4.	.1				

TOTAL NUMBER OF OBS WITH WIND [illegible]

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

PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: OCT HOURS: 03-05

WIND SPEED IN KNOTS									
20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.0	5.7	5.0
							5.2	4.6	4.0
							3.7	4.1	4.0
							4.2	5.3	5.0
							3.3	4.7	4.0
.1							3.1	5.2	5.0
.2							9.2	7.3	7.0
.3							13.4	8.1	7.0
							13.2	7.9	7.0
.2							8.7	8.5	8.0
							4.2	6.2	6.0
							4.3	6.2	6.0
//							100.0	////////////	
.2							100.0	6.3	6.0

TOTAL OF OBSERVATIONS 480

OPERATING LOCATION "A"
USAFTAC, SEVILLE, SP

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FOR 01 JULY-31 AUGUST

STATION NUMBER: 08733 STATION NAME: UPPER HEYFORD/RAF UK
LST TO UTC: - 0

WIND SPEED IN KNOTS									
DIRECTION (DEGREES)	1-4	5-7	10-16	17-19	20-24	25-29	30-34	35-39	40-47
(2) 350-11	2.3	1.2	1.2	.1					
12-34	1.3	1.3	.1		.2				
35-07	1.1	2.3	.4						
(1) 08-1	1.7	1.7	.4						
11-1	1.1	1.3	.4	.1					
14-1	1.	.3	1.1						
(3) 17-1	1.3	1.3	.7	.1	.1	.1			
20-2	.7	1.3	1.1	1.2	.3				
23-2	2.	1.3	1.7	.3	.1		.1		
(4) 26-2	1.1	1.7	1.1	.3	.2		.1		
29-31	1.1	2.7	1.2	.4	.2				
32-34	1.7	3.4	1.1	.2					
VARIABLE		.1	.1						
CALM	//								
TOTALS	20.7	30.3	18.3	4.7	1.2	.1	.2		

TOTAL NUMBER OF OBSERVATIONS 338

...QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

...MAYPORT NAF FL PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: OCT HOURS: 06-09

WIND SPEED IN KNOTS 1-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							5.1	5.8	4.0
.2							4.3	4.9	4.0
							5.4	5.1	5.0
							4.9	5.0	4.0
							3.7	5.5	4.5
							7.2	5.7	5.0
.1	.1						9.7	6.2	6.5
.5							19.4	7.3	7.0
.1		..					13.3	6.9	6.0
.2		.1					6.7	6.7	7.0
.2							5.6	5.4	7.0
							7.4	6.5	6.0
							.2	11.0	11.0
//							9.0	//////////////	
1.2	.1	.2					100.0	6.7	6.0

... OF OBSERVATIONS 230

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBS OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: [illegible]
LST TO UTC: - 0

DIRECTION (DEG-TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
(1) 355-015	1.0	1.7	1.6	.5					
020-040	1.5	1.4	.2						
045-065	1.0	1.0	.3	.2	.1				
(2) 070-100	1.5	1.7	.6	.2					
105-125	1.5	2.3	.7	.4					
130-150	2.2	3.2	1.1	.4					
(3) 155-185	1.4	3.3	3.2	1.2	.3				
190-210	1.3	3.5	4.7	3.1	.5				
215-235	.4	4.4	3.4	1.2	.2	.1			
(4) 240-260	.7	1.6	2.4	1.3	1.0	.2			
265-285	.6	2.2	2.4	.4	.2	.1			
290-310	2.4	4.2	2.4	.3					
VARIABLE	.1	.2	.2	.1	.1				
CALM	//								
TOTAL	17.3	37.4	29.1	10.2	3.4	.4			

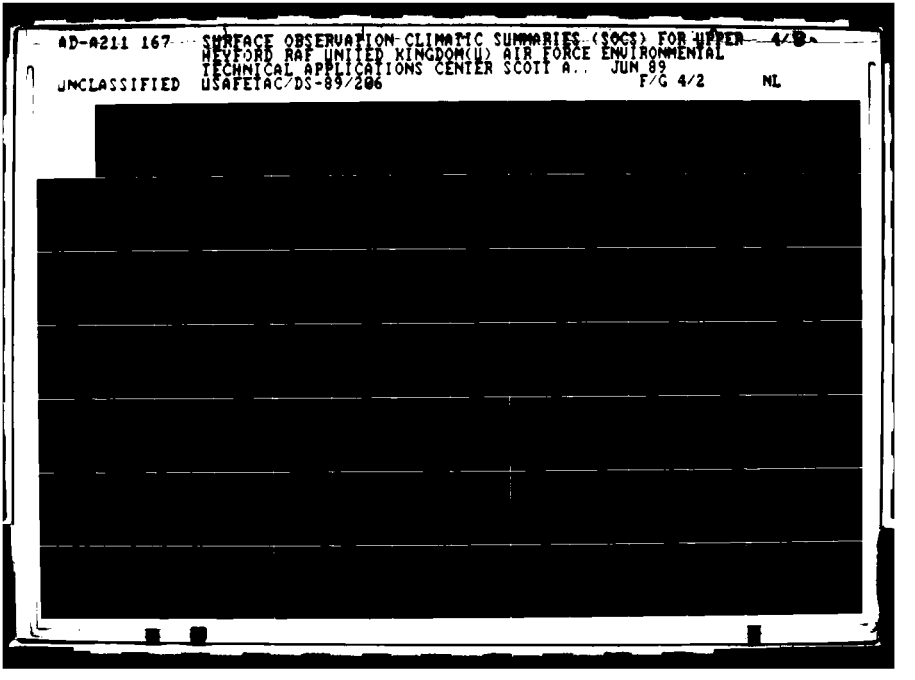
TOTAL NUMBER OF OBSERVATIONS [illegible]

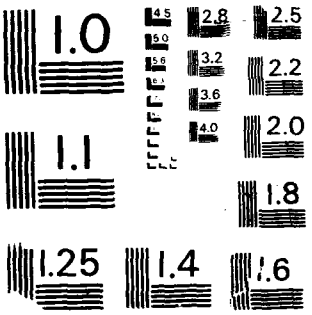
FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] AFB, OK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: OCT HOURS: 09-11

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
21-24	25-29	30-34	35-39	40-49	50-54	GE 55			
							4.3	7.3	6.3
							2.9	5.5	5.0
.1							4.2	7.3	6.3
							4.1	6.7	6.3
							4.4	7.4	6.3
							5.3	7.7	6.3
.3							11.3	9.2	9.3
.3							10.5	9.4	9.3
.4	.1						13.2	11.4	11.3
.3	.2						7.1	11.3	11.3
.2	.1						4.3	11.3	10.3
							4.4	7.3	6.3
.1							.3	11.4	10.3
//							.7	//////////	
.4	.4						100.3	8.7	8.3

TOTAL OBSERVATIONS 930


AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER 4/2
HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A... JUN 89
UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6

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

PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: OCT HOURS: 12-14

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
								4.2	.3	7.0
								2.4	7.1	6.0
								4.4	5.7	7.0
								4.5	7.3	5.0
								4.4	7.3	7.0
								1.7	4.9	4.0
	.4	.1						13.4	8.5	9.0
	.9	.2						14.4	11.0	11.0
	.4	.1						15.1	11.2	11.0
	1.0							4.1	13.4	13.0
	.2	.1						3.2	11.1	9.0
	.1							1.5	9.1	9.0
	.3							1.7	14.2	14.5
								3.3		
	3.4	.2						100.2	8.5	10.0

TOTAL NO OF OBSERVATIONS 2370

OPERATING LOCATION [illegible]	PERCENTAGE FREQUENCY OF [illegible] WIND SPEED [illegible]
USAFETAC, ASHEVILLE NC	[illegible] HOURLY OBSERVATIONS

STATION NUMBER: [illegible]	STATION NAME: [illegible]	[illegible]
LST TO UTC: - [illegible]	MONTH: [illegible]

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4[illegible]	-
					WIND SPEED IN KNOTS					
(N) 350-010	2.4	1.7	.[illegible]	.4						
020-040	1.1	1.2	.[illegible]	.1						
050-070	1.[illegible]	[illegible]	.							
(E) 080-100	1.[illegible]	2.2	.[illegible]	.7						
110-130	1.1	1.[illegible]	.[illegible]	.2						
140-160	[illegible].	[illegible]	1.[illegible]	.[illegible]						
(S) 170-190	[illegible]	4.[illegible]	[illegible]	1.4	.1					
200-220	[illegible]	[illegible]	4.7	[illegible].4	.2					
230-250	1.[illegible]	4.[illegible]	[illegible]	2.[illegible]	.1	.[illegible]				
(W) 260-280	1.7	[illegible]	3.[illegible]	1.[illegible]	.[illegible]					
290-310	[illegible]	[illegible]	2.[illegible]	.4	.3					
320-340	[illegible].4	[illegible]	1.[illegible]	.[illegible]						
VARIABLE		.5	.1	.2	.1					
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	21.[illegible]	37.4	24.5	[illegible]	1.4	.[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: OCT HOURS: 15-17

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]-24	25-29	30-34	35-39	40-49	50-64	65 &			
							5.3	5.9	5.0
							3.9	6.1	5.0
							5.[illegible]	6.2	6.0
							4.5	6.9	6.0
							3.1	5.6	6.0
							6.5	7.3	7.0
.1							11.9	[illegible].3	8.0
.2							15.[illegible]	9.4	9.0
.1	.1						14.[illegible]	10.[illegible]	10.0
.0							11.0	10.0	9.5
.3							7.2	[illegible].3	8.0
							0.3	6.5	[illegible].0
.1							.3	12.3	12.0
//							5.1	//////////	
1.4	.3						100.0	[illegible].1	[illegible].0

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF [illegible]
USAFETAC, ASHEVILLE NC [illegible]

STATION NUMBER: 35[illegible]3 STATION NAME: [illegible] [illegible]
LST TO UTC: - 0 [illegible]

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	[illegible]
(N) 350-010	2.0	1.3	.4							
020-040	2.0	.9		.1						
050-070	.[illegible]	[illegible]	.3							
(E) 080-100	2.5	2.9	1.1	.2						
110-130	1.9	1.2	.[illegible]							
140-160	1.[illegible]	2.7	1.[illegible]	.[illegible]						
(S) 170-190	[illegible]	[illegible].7	2.3	.4						
200-220	4.3	[illegible].1	4.5	1.[illegible]	.3					
230-250	[illegible]	[illegible].7	[illegible]	1.[illegible]	.1	.3				
(W) 260-280	2.1	4.5	[illegible]	.[illegible]	.1					
290-310	1.[illegible]	2.3	1.1							
320-340	[illegible]	1.[illegible]	.[illegible]							
VARIABLE		.[illegible]								
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	[illegible]	[illegible].4	17.[illegible]	4.[illegible]	.[illegible]	.[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] HEYFORD RAF UK

PERIOD OF RECORD: JUL 78 - JUN [illegible]
MONTH: OCT HOURS: 18-20

WIND SPEED IN KNOTS

1?	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
								4.0	5.3	4.0
.1								3.9	4.1	3.0
								4.0	5.5	5.0
.[illegible]								5.9	6.2	5.0
								3.7	5.1	4.0
.[illegible]								[illegible]	7.[illegible]	7.0
.[illegible]								10.[illegible]	7.3	7.0
.	.3							17.1	8.5	8.0
.	.1	.3						14.[illegible]	[illegible]	[illegible]
.[illegible]	.1							9.1	7.7	7.0
								5.9	6.1	6.0
								4.[illegible]	5.4	6.0
								.2	[illegible]	8.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	[illegible]	//////	//////
.[illegible]	.[illegible]	.3						100.0	6.5	7.0

NUMBER OF OBSERVATIONS [illegible]30

OPERATING LOCATION [illegible] PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
USNAVSTAC, [illegible]VILLE [illegible] [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible] [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	[illegible]
(N) 350-010	[illegible]	.[illegible]	.[illegible]							
020-040	[illegible]	1.[illegible]	.1							
050-070	1.[illegible]	[illegible]	.[illegible]							
(E) 080-100	[illegible]	1.[illegible]	.[illegible]	.[illegible]						
110-130	[illegible].7	1.1	.4							
140-160	[illegible]	[illegible]	.4	.2						
(S) 170-190	[illegible].7	4.[illegible]	2.[illegible]	.2						
200-220	4.2	7.[illegible]	4.[illegible]	1.2	.1					
230-250	[illegible].	7.	3.[illegible]	1.[illegible]	.[illegible]					
(W) 260-280	1.[illegible]	2.[illegible]	1.	.4	.3					
290-310	1.[illegible]	2.[illegible]	.[illegible]	.1						
320-340	3.4	3.1	.[illegible]	.1						
VARIABLE										
CALM	//////////									
TOTALS	31.[illegible]	3[illegible].0	15.4	3.7	.[illegible]					

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] HOLY-[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 73 - DEC 84
MONTH: DEC HOURS: 21-23

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
1-24	25-[illegible]	3[illegible]-34	35-39	40-47	[illegible]-55	[illegible]			
							3.1	4.2	3.0
							4.[illegible]	4.5	4.[illegible]
							4.[illegible]	[illegible].4	5.[illegible]
							5.[illegible]	5.3	4.[illegible]
							4.[illegible]	4.[illegible]	4.[illegible]
							5.7	5.4	4.[illegible]
							8.[illegible]	7.4	7.[illegible]
.1							11.3	[illegible].2	7.[illegible]
.							15.[illegible]	[illegible].[illegible]	[illegible].[illegible]
.3							[illegible].[illegible]	[illegible].3	7.[illegible]
							5.1	5.[illegible]	7.[illegible]
							7.[illegible]	5.[illegible]	[illegible].[illegible]
//							9.[illegible]	//////////////	
.[illegible]							100.[illegible]	[illegible].3	[illegible].0

[illegible] OF OBSERVATIONS = 930

OPERATIONAL LOCATION MAP — PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND

USAFETAC, ASHEVILLE, NC — FOR MONTHLY OF WIND

STATION NAME AND #: [illegible] — STATION WAS: [illegible]

LAT LONG: [illegible]

WIND DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55
(N) 350-010	2.1	1.3	.5	.2						
011-040	2.1	1.4	.5	.2	.					
041-070	1.4	1.1	.3	.1	.1					
(E) 071-100	2.1	1.	.	.1						
101-130	1.3	1.1	.2	.1						
131-160	1.1	2.0	1.2	.2	.					
(S) 161-190	3.3	4.3	2.7	.7	.2	.1				
191-220	3.2	7.1	6.7	2.2	.4	.1				
221-250	1.	2.4	4.4	1.4	.1	.1	.1			
(W) 251-280	1.2	2.1	2.1	1.1	.4	.1	.1			
281-310	1.1	2.1	1.1	.4	.1	.1				
311-340	1.7	1.2	1.2	.2	.1					
VARIABLE	.1	.2	.1	.1	.1					
CALM	//									
TOTALS	24.7	32.6	23.5	6.7	1.5	.1				

TOTAL NUMBER OF OBSERVATIONS 2[illegible]

...CY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
...M HOURLY OBSERVATIONS

...AR AS PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: OCT HOURS: ALL

SPEED IN KNOTS								
[illegible]	30-34	35-[illegible]	40-47	48-64	65 OR	TOTAL	MEAN	MEDIAN
						%	KNOTS	KNOTS
						4.3	5.9	5.0
						3.[illegible]	5.0	4.0
						4.[illegible]	6.3	5.0
						4.[illegible]	6.3	6.0
						3.[illegible]	[illegible]	[illegible]
						[illegible]	[illegible]	[illegible]
.[illegible]						10.[illegible]	[illegible]	[illegible]
.[illegible]						14.[illegible]	[illegible]	[illegible]
.2	.[illegible]					14.[illegible]	[illegible]	[illegible]
.[illegible]	.[illegible]					7.[illegible]	[illegible]	[illegible]
.[illegible]						[illegible]	[illegible]	[illegible]
						7.[illegible]	[illegible]	[illegible]
						.5	12.7	12.5
//						7.[illegible]	//////////	
.1						100.0	7.3	7.0

[illegible] OBSERVATIONS 7443

[illegible]UENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: OCT HOURS: ALL

[illegible] WITH VISIBILITY [illegible] 1/2 MILE ([illegible] METERS).

[illegible] BUT LESS THAN 3 MILES (4[illegible] METERS) WITH CEILING [illegible] 200 FEET.

WIND SPEED IN KNOTS

DIR.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TOTAL	MEAN	MEDIAN
								[illegible]	[illegible]	[illegible]
[illegible]								6.[illegible]	[illegible].1	[illegible]
[illegible]	.1							[illegible]	[illegible]	[illegible]
[illegible]	.1							[illegible]	[illegible]	[illegible]
[illegible]								[illegible]	[illegible].7	4.[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]	.1							[illegible]	7.[illegible]	7.[illegible]
[illegible]	.1	.1						1[illegible]	.[illegible]	[illegible]
[illegible]	.[illegible]							1[illegible]	1[illegible]	1[illegible]
[illegible]	.[illegible]		.1					[illegible]	1[illegible].1	1[illegible]
[illegible]			.1					[illegible]	7.[illegible]	7.[illegible]
[illegible]								[illegible].1	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]	//////	//////	//////	//////	//////	//////	//////	[illegible]	//////	//////
[illegible]	1.1	.1	.2					100.[illegible]	7.1	7.[illegible]

[illegible] OF OBSERVATIONS 14[illegible]3

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

[illegible] HANSCOM AFB MA PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: NOV HOURS: 00-02

WIND SPEED IN KNOTS									
20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
							4.1	6.9	7.0
							3.2	5.9	6.0
							4.[illegible]	7.3	7.0
							3.3	6.7	6.5
							3.[illegible]	4.[illegible]	4.0
							[illegible].3	7.[illegible]	7.0
.7							3.2	8.5	8.0
1.1	.2						10.7	11.0	11.0
.7							10.[illegible]	11.0	10.0
.3	.1						[illegible].3	9.5	9.0
							6.4	6.[illegible]	7.0
.3							3.2	7.[illegible]	6.0
							.4	12.0	12.0
//							6.[illegible]	//////////	
[illegible].[illegible]	.3						100.0	6.2	6.0

[illegible] OF OBSERVATIONS 900

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND [illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36[illegible]3 STATION NAME: UPPER HEYFORD RAF UK [illegible]
LST TO UTC: - 0 MONTH: [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	[illegible]
(N) 350-010	1.[illegible]	2.[illegible]	1.[illegible]	.2						
020-040	1.1	1.0	.4							
050-070	1.[illegible]	2.7	1.4							
(E) 080-100	.4	1.2	.[illegible]							
110-130	1.3	1.3	.[illegible]	.1						
140-160	1.7	2.4	.[illegible]							
(S) 170-190	1.0	2.3	3.[illegible]	.7	.1	.[illegible]				
200-220	[illegible].4	7.2	5.	4.[illegible]	1.1	.1				
230-250	[illegible].	[illegible].4	4.[illegible]	2.[illegible]	.1					
(W) 260-280	1.1	4.4	1.[illegible]	1.1	.1	.1				
290-310	1.3	2.[illegible]	1.[illegible]	.3	.2					
320-340	2.7	4.	1.0	.4	.[illegible]					
VARIABLE			.[illegible]	.1						
CALM	/////	/////	/////	/////	/////	/////	/////	/////	/////	/////
TOTALS	1[illegible].6	37.5	24.2	9.[illegible]	1.[illegible]	.5				

TOTAL NUMBER OF OBSERVATIONS [illegible]

QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: NOV HOURS: 03-05

WIND SPEED IN KNOTS									
[illegible]-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							5.0	5.5	5.0
							2.6	5.7	6.0
							5.1	7.4	7.0
							2.6	7.6	7.0
							3.4	6.1	6.0
							4.7	6.2	6.0
.1	.3						6.2	10.2	10.0
1.1	.1						20.7	10.6	10.0
.1							15.4	4.4	4.0
.1	.1						3.7	8.9	8.0
.2							5.9	8.0	7.0
.1							10.0	7.2	6.0
							.8	14.7	14.0
//							7.6	//////////	
1.1	.5						100.0	6.0	6.0

[illegible] OF OBSERVATIONS 900

OPERATING LOCATION NAM
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 30583 STATION NAME: UPPER HEYFORD JAF UK
LST TO UTC: - 0

DIRECTION (TENS OF DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.4	2.2	1.9						
020-040	1.4	1.7	.4						
050-070	1.0	2.2	.9	.7					
(E) 080-100	.3	1.3	.2						
110-130	.9	1.4	1.1						
140-160	1.2	2.0	1.1						
(S) 170-190	1.3	2.9	2.1	.8	.4		.1		
200-220	3.3	6.3	7.4	4.3	.8				
230-250	1.4	5.2	4.1	2.1	.4	.1			
(W) 260-280	.3	3.9	1.7	.7	.1				
290-310	1.1	2.0	1.3	.4	.3				
320-340	2.1	4.4	2.3	.4					
VARIABLE		.1	.1		.1				
CALM	//								
TOTALS	17.2	35.7	24.7	9.4	2.3	.1	.1		

TOTAL NUMBER OF OBSERVATIONS 933

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

[illegible] BEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: NOV HOURS: 06-09

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
							4.7	6.4	6.0
							3.7	5.7	6.0
							4.3	8.3	8.0
							2.3	5.9	5.0
							3.4	7.0	6.0
							5.6	6.3	6.5
.4		.1					8.1	9.4	8.0
.7							20.4	10.4	10.5
.9	.1						14.0	9.4	9.0
.1							7.2	8.6	8.0
.3							5.9	9.2	9.3
							9.3	7.3	6.0
.1							.3	12.0	11.0
//							4.3	//////////	
2.3	.1	.1					100.0	6.0	6.0

[illegible] OF OBSERVATIONS 300

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER [illegible] RAF [illegible] PERIOD
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4[illegible]
(N) 350-01[illegible]	1.7	2.5	1.0	.1					
020-04[illegible]	.9	1.2	.5	.3					
050-07[illegible]	.7	2.3	1.1	.6	.1				
(E) 080-10[illegible]	.7	1.7	.4	.1					
110-14[illegible]	1.3	1.2	1.2	.2					
140-16[illegible]	1.1	2.4	1.4	.2					
(S) 170-19[illegible]	1.9	2.5	2.1	.5	1.0				
200-22[illegible]	2.3	5.3	6.2	3.8	1.3	.2			
230-26[illegible]	1.4	4.3	5.9	2.5	.9	.3			
(W) 260-29[illegible]	.5	3.3	2.4	1.2	.2				
290-31[illegible]	.7	2.4	2.2	.9	.2				
320-34[illegible]	1.5	3.1	2.3	.7					
VARIABLE		.1	.1	.1					
CALM	//								
TOTALS	16.5	34.1	29.1	11.5	4.2	.5			

TOTAL NUMBER OF OBSERVATIONS [illegible]

NCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
ROM HOURLY OBSERVATIONS

YEOVILTON RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: NOV HOURS: 09-11

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
						5.6	6.6	6.0
						3.2	7.8	7.0
						4.3	9.0	8.0
						2.9	7.4	7.0
						4.0	7.6	8.0
						6.2	8.9	8.0
						7.8	10.0	9.5
.2						20.1	11.3	11.0
.3						15.5	11.3	12.0
						7.8	10.4	9.5
						6.4	10.1	10.0
						9.7	8.1	7.0
						.3	12.7	14.0
//						4.7	//////////	
.5						100.0	9.2	9.0

OBSERVATIONS 909

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 30[illegible]3 STATION NAME: UPPER HEYFORD RAF UK PERIOD:
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(1) 350-010	1.1	2.1	1.3	.3					
020-040	.5	2.3	.6	.1					
050-070	.3	3.0	.5	.4	.2				
(2) 080-100	1.2	1.7	.6	.3	.1				
110-130	1.2	.8	1.0	.1					
140-160	1.7	3.0	1.5	.3	.1				
(3) 170-190	1.5	3.2	1.4	.9	.9	.1			
200-220	1.2	4.3	6.7	4.5	2.0	.1	.1		
230-250	.9	3.7	7.0	3.6	1.7	.1			
(4) 260-280	.3	2.3	3.0	1.4	.7	.1			
290-310	.5	3.1	3.7	1.7	.2				
320-340	1.4	3.9	2.4	.4	.2				
VARIABLE		.7	.4	.3	.1	.1			
CALM	//								
TOTALS	11.5	33.6	33.3	15.4	6.2	.5	.1		

TOTAL NUMBER OF OBSERVATIONS 930

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

: [illegible] RAF UK PERIOD OF RECORD: JUL 78 - JUN 84
-) MONTH: NOV HOURS: 12-14

	WIND SPEED IN KNOTS									
-12	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.3								4.9	7.9	7.0
.1								3.6	7.3	7.5
.4	.2							4.4	9.2	8.0
.3	.1							3.9	7.4	6.0
.1								2.7	7.2	7.0
.3	.1							6.0	8.7	7.0
.7	.9	.1						8.6	9.6	7.0
4.0	2.0	.1	.1					14.6	12.0	13.0
3.1	1.7	.1						15.9	12.4	12.0
1.3	.7	.1						8.2	12.2	12.0
1.7	.2							9.2	11.0	10.0
.9	.2							3.4	8.7	8.0
.3	.1	.1						1.7	12.6	11.0
////	////	////	////	////	////	////	////	2.2	////////////	
19.4	6.2	.9	.1					100.0	10.4	10.0

NUMBER OF OBSERVATIONS 900

OPERATING LOCATION MAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK [illegible]
LST TO UTC: - 0 [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	2.2	2.7	1.4	.1					
020-040	.2	2.0	.1						
050-070	.7	2.1	.1	.7					
(E) 080-100	.7	1.1	.2	.1					
110-130	1.3	1.4	.5						
140-160	1.1	2.2	1.0	.1	.1				
(S) 170-190	1.	2.1	1.6	1.1	.4	.1			
200-220	1.7	4.1	7.1	3.0	1.0		.1		
230-250	1.1	4.2	7.1	2.1	1.1	.1			
(W) 260-280	.7	3.2	2.7	1.3	.3				
290-310	1.2	3.9	3.1	1.3		.2			
320-340	2.7	2.8	1.2	.3	.2				
VARIABLE									
CALM	//								
TOTALS	14.1	36.3	28.3	11.1	3.1	.4	.1		

TOTAL NUMBER OF OBSERVATIONS 733

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

[illegible]: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
[illegible] - 3 MONTH: NOV HOURS: 15-17

	WIND SPEED IN KNOTS									
[illegible]-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.1								5.5	5.5	6.0
								3.0	5.5	6.0
.2								5.2	6.4	6.0
.1								2.2	6.9	7.0
								3.3	5.9	6.0
.	.1							5.3	8.0	7.0
1.1	.4	.1						7.1	8.5	7.0
3.0	1.0		.1					17.7	11.0	11.0
2.1	1.1	.1						14.0	11.3	11.0
1.0	.3							5.6	9.3	9.0
1.3		.2						10.2	9.4	9.5
.2	.2							7.1	6.8	7.0
//								4.1	//////////	
11.1	3.1	.4	.1					100.0	8.4	9.0

[illegible] NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "AW"
USAMETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI..
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HAY-[illegible] AAF [illegible] PERIOD:
LST TO UTC: - 0 YEARS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	1.9	1.9	1.[illegible]	.3					
020-040	2.0	2.3	.3	.2					
[illegible]	1.2	2.0	1.1	.3					
(E) 080-100	.[illegible]	1.3	.2	.3					
110-130	2.2	2.1	.[illegible]						
140-160	[illegible].7	3.[illegible]	1.[illegible]						
(S) 170-1[illegible]	1.3	2.1	2.[illegible]	1.4	.[illegible]	.2			
200-220	[illegible].[illegible]	[illegible].[illegible]	[illegible].4	3.[illegible]	.[illegible]				
230-250	.[illegible]	[illegible].[illegible]	[illegible].4	1.3	.[illegible]				
(W) 260-2[illegible]	1.[illegible]	3.[illegible]	3.1	.7	.1				
290-310	1.[illegible]	3.3	2.[illegible]	.[illegible]	.1				
320-340	[illegible].1	2.[illegible]	.[illegible]	.[illegible]					
VARIABLE		.[illegible]	.4	.1					
CALM	//								
TOTALS	21.[illegible]	33.2	2[illegible].[illegible]	[illegible].5	1.3	.2			

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

STATION: UPPER HEYFORD RAF UK   PERIOD OF RECORD: JUL 73 - JUN 8?
TO: - ?   MONTH: NOV   HOURS: 18-20

WIND SPEED IN KNOTS

	1?-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.3								5.9	7.1	7.0
	.2								4.9	5.3	5.5
	.3								5.?	7.8	?.0
	.3								2.7	7.1	6.?
									4.9	5.6	5.5
									6.7	6.?	?.0
	1.4	.5	.2						8.?	11.1	11.0
	3.?	.?							1?.?	10.3	10.?
	1.3	.3							13.?	10.3	10.0
	.7	.1							?.?	?.?	9.0
	.?	.1							7.?	?.?	?.?
	.?								7.3	?.?	?.0
	.1								.?	11.4	11.0
	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.7	//////////	//////////
	?.?	1.3	.2						100.0	8.2	?.0

TOTAL NUMBER OF OBSERVATIONS ?0?

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER : 36753 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4[illegible]
	WIND SPEED IN KNOTS								
(N) 350-010	[illegible]	2.9	1.[illegible]	.2					
020-040	1.4	1.6	.3						
050-070	.7	[illegible]	.[illegible]	.1					
(E) 080-100	.[illegible]	1.7	.[illegible]	.3					
110-130	1.[illegible]	1.1	.3	.1					
140-160	[illegible]	.3	1.4	.1					
(S) 170-190	1.[illegible]	3.1	1.7	1.4	.2	.2			
200-220	3.7	[illegible]	5.3	3.[illegible]	.[illegible]	.1			
230-250	1.1	.[illegible]	4.7	2.1	.3	.1			
(W) 260-280	1.0	3.4	2.[illegible]	1.2	.2				
290-310	.[illegible]	2.7	2.[illegible]	.5					
320-340	.[illegible]	2.[illegible]	1.2	.6	.3				
VARIABLE		.2	.[illegible]	.1					
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	21.2	35.[illegible]	22.2	10.4	1.3	.4			

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: NOV HOURS: 21-23

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
							5.1	5.5	5.0
							3.2	5.2	5.0
							3.[illegible]	7.3	[illegible].0
							3.4	7.4	5.0
							3.1	6.5	4.5
							7.0	6.7	6.0
.[illegible]	.[illegible]						[illegible].4	[illegible].1	[illegible].0
.[illegible]	.1						10.[illegible]	10.3	10.0
.[illegible]	.1						13.[illegible]	10.4	10.0
.[illegible]							[illegible].3	[illegible].0	[illegible].0
							[illegible].4	[illegible].6	[illegible].0
.[illegible]							[illegible].2	[illegible].1	[illegible].0
							.9	12.0	12.5
//							[illegible].7	////////////	
[illegible].[illegible]	.[illegible]						100.0	[illegible].1	[illegible].0

[illegible] OBSERVATIONS 900

OPERATING LOCATION "B"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER [illegible] AFB [illegible] PERIOD:
LCT TO UTC: - 0 MONTH:

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-47
(N) 350-010	1.5	2.8	1.3	.2					
020-040	1.2	1.7	.4	.1					
[illegible]	.	[illegible]	.	.4	.				
(E) [illegible]	.	1.5	.4	.2	.				
110-130	1.[illegible]	1.8	.7	.1					
140-160	1.[illegible]	[illegible]	1.[illegible]	.3	.				
(S) 170-190	1.3	2.8	2.2	1.3	.5	.1	.		
200-220	2.4	[illegible]	5.8	3.9	1.1	.1	.		
230-250	1.4	4.9	[illegible]	2.9	.7	.1			
(W) 260-280	1.3	3.9	2.4	1.1	.3	.			
290-310	1.1	2.9	2.3	.7	.1	.			
320-340	2.[illegible]	[illegible]	1.7	.4	.2				
VARIABLE		.2	.3	.1	.0	.0			
CALM	//								
TOTALS	17.[illegible]	39.8	25.[illegible]	11.3	2.7	.3			

TOTAL NUMBER OF OBSERVATIONS 720[illegible]

NCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: NOV HOURS: ALL

SPEED IN KNOTS									
[illegible]	25-29	30-34	35-39	40-49	50-64	GE 55	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
							5.3	6.8	6.0
							3.4	6.2	6.0
							4.7	8.3	8.0
							3.0	7.1	6.0
							3.5	6.2	6.0
							6.2	7.0	7.0
.2	.1	.0					9.2	9.9	9.0
.1	.1	.0					10.6	10.9	11.0
.2	.1						10.5	10.5	10.0
.1	.0						8.3	9.7	9.0
.1	.0						7.2	9.1	9.0
.2							8.3	7.4	7.0
.0	.0						.6	12.3	12.0
//							5.6	//////////	
.4	.3						100.0	8.6	8.0

[illegible] OBSERVATIONS 7208

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53953 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

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

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-
(1) 350-010	[illegible]	3.7	1.1	.1						
020-040	[illegible]	2.0	.4	.1						
050-070	1.4	4.0	1.0	.1						
(2) 080-100	1.1	[illegible]	.7	.2						
110-130	[illegible]	1.0	.3	.1						
140-160	[illegible]	5.7	1.7	.3						
(3) 170-190	1.4	3.7	[illegible]	.3	.	.2				
200-220	1.7	5.1	[illegible]	5.2	2.3	.1				
230-250	1.2	2.8	3.3	2.6	1.0	.2				
(4) 260-280	.1	.2	.2							
290-310	.1	1.0	.3	.2						
320-340	2.3	3.2	.3	.2	.1					
VARIABLE										
CALM	//									
TOTALS	20.1	36.2	20.4	9.4	3.9	.3				

TOTAL NUMBER OF OBSERVATIONS 1557

ENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: NOV HOURS: ALL

FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

) NOT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

SPEED IN KNOTS

25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						7.9	6.0	6.0
						4.3	6.1	5.0
						7.1	7.2	7.0
						4.7	6.4	6.0
						5.3	4.9	4.0
						10.4	6.8	7.0
.2						9.4	10.0	9.0
.1						22.1	12.1	12.0
.2						10.1	11.5	12.0
						.3	5.2	3.0
						2.3	7.9	5.0
						6.2	6.2	5.0
//////////	//////////	//////////	//////////	//////////	//////////	8.8	//////////	//////////
.2						100.0	8.0	8.0

OBSERVATIONS 1667

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36563 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTHS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	.3	1.4	.3	.3					
020-040	.4	1.6	.3	.3	.1				
050-070	.4	2.2	1.7	.2	.1				
(E) 080-100	2.2	1.3	.3	.3					
110-130	1.2	2.3	.2						
140-160	2.1	3.4	1.4	.2	.2				
(S) 170-190	2.4	2.2	2.2	1.2	.3				
200-220	2.3	5.3	4.5	4.5	.6				
230-250	1.7	5.5	5.1	2.2	.3	.2			
(W) 260-280	.2	3.2	1.1	1.2	.5				
290-310	.5	2.1	1.2	.3	.5				
320-340	1.2	2.2	2.4	.1					
VARIABLE		.1	.1						
CALM	//								
TOTALS	17.2	37.5	24.3	11.4	2.7	.2			

TOTAL NUMBER OF OBSERVATIONS 930

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

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: DEC HOURS: 00-02

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
							2.8	7.6	6.0
.1							2.8	8.4	8.0
.1							4.5	8.0	8.0
							4.9	6.1	5.0
							4.9	5.9	5.0
.2							7.4	7.9	6.0
.3							8.8	9.5	7.0
.6							20.2	10.1	9.0
.4	.2						17.7	10.0	10.0
.5							7.3	10.9	9.0
.5							5.8	10.4	10.0
							6.7	7.6	7.5
							.2	10.5	10.5
//							5.7	//////////	
2.7	.2						100.0	8.5	8.0

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	.5	1.1	.5	.1					
020-040	.2	1.9	.5	.2	.1	.1			
050-070	1.1	2.0	1.4	.1					
(E) 080-100	1.2	2.1	.5	.3					
110-130	1.2	2.0	1.1	.1					
140-160	2.4	3.2	1.2	.5	.3				
(S) 170-190	2.0	4.4	2.5	.9	.4				
200-220	3.5	7.5	4.1	3.1	1.9				
230-250	1.1	5.7	4.7	2.5	.9	.2			
(W) 260-280	.9	2.5	2.1	1.1	.1	.2			
290-310	.7	2.9	1.4	.3	.2				
320-340	1.1	3.2	2.5	.2					
VARIABLE		.1	.1	.1					
CALM	//////////								
TOTALS	15.1	43.5	24.1	9.5	3.4	.5			

TOTAL NUMBER OF OBSERVATIONS 930

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
M HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 03-05

SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						2.4	7.2	6.5
.1						3.2	9.5	8.0
						4.4	7.3	6.0
						5.2	6.9	6.0
						4.6	7.1	6.0
						6.3	7.3	6.0
						10.3	8.9	8.0
						19.8	9.6	8.5
.2						16.3	10.2	9.0
.2						8.3	11.1	10.0
						5.1	9.5	8.0
						7.7	8.3	8.0
						.3	11.7	10.0
//						5.6	//////////	
.5						100.0	8.6	8.0

OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(N) 350-010	.5	.3	.4						
020-040	.5	1.7	.9	.1	.2	.1			
050-070	1.1	2.2	1.5	.3					
(E) 080-100	.9	2.6	.9						
110-130	1.2	1.5	1.9	.2					
140-160	3.1	2.2	1.4	1.0					
(S) 170-190	2.8	4.1	1.4	.7	.5	.2			
200-220	2.3	7.2	4.9	2.5	1.1	.2			
230-250	1.3	4.7	3.5	2.4	.6				
(W) 260-280	.[illegible]	3.3	2.9	1.1	.4	.1			
290-310	.7	1.9	1.2	.2	.4	.1			
320-340	1.3	3.4	3.0	.1					
VARIABLE		.0							
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////
TOTALS	17.[illegible]	33.0	26.2	8.9	3.2	.7			

TOTAL NUMBER OF OBSERVATIONS 930

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

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: DEC HOURS: 06-09

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							1.9	6.8	6.5
.2	.1						3.5	9.4	8.0
							5.1	8.2	7.0
							4.3	7.8	7.0
							4.7	8.2	9.0
							7.6	7.8	6.0
.2	.2						10.7	8.4	8.0
1.1	.2						13.8	9.9	9.0
.7							14.1	10.5	10.0
.4	.1						9.6	10.5	10.0
.4	.1						4.7	9.6	8.5
							7.7	8.2	8.0
							.3	7.7	8.0
//							5.5	//////////	
3.2	.7						100.0	8.5	8.0

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION WAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD [illegible] PERI
LST TO UTC: - 0 MONT

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(N) 350-010	.7	1.2	.4						
020-040	.7	1.9	.6		.1	.1	.1		
050-070	.8	1.1	1.0	.3					
(E) 080-100	.7	2.3	1.4	.2					
110-130	1.4	1.3	3.7	.1					
140-160	1.4	1.7	1.7	.7	.2				
(S) 170-190	1.3	2.3	2.1	1.1	.5	.1			
200-220	1.2	2.3	3.1	3.1	1.3	.2			
230-250	.4	1.3	4.0	1.3	.4	.1			
(W) 260-280	1.2	1.7	2.1	1.3	.4	.1			
290-310	1.1	1.7	1.1	.3	.4				
320-340	1.3	2.7	3.1	.3	.1				
VARIABL		.4	.3						
CALM	//								
TOTALS	13.3	35.4	30.1	11.2	3.2	.5	.1		

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: DEC HOURS: 09-11

SPEED IN KNOTS								
25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						2.6	7.0	7.5
.1	.1					3.2	[illegible]	8.0
						3.1	9.7	11.0
						[illegible]	7.3	[illegible]
						5.1	[illegible]	10.3
						[illegible]	[illegible]	7.0
.1						10.3	[illegible]	9.0
.2						14.5	10.3	10.0
.1						13.0	10.3	10.0
.1						7.2	10.9	11.0
						[illegible]	10.5	10.0
						7.6	[illegible]	[illegible]
						[illegible]	9.5	9.0
//						4.6	//////////////	
.5	.1					100.0	9.2	9.0

OBSERVATIONS 330

OPERATING LOCATION WAM PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI[illegible]
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (IN DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4[illegible]
				WIND SPEED IN KNOTS					
(N) 350-010	.3	1.[illegible]	.[illegible]	.3					
[illegible]-[illegible]	.[illegible]	1.[illegible]	.[illegible]		.2	.1			
[illegible]-[illegible]7	.[illegible]	1.[illegible]	1.[illegible]	.[illegible]					
(E) [illegible]-1[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.[illegible]					
11[illegible]-1[illegible]	.[illegible]	1.3	1.7	.[illegible]					
14[illegible]-1[illegible]	1.7	[illegible].5	[illegible].1	.[illegible]	.2				
(S) 17[illegible]-1[illegible]	1.[illegible]	[illegible].2	[illegible].[illegible]	1.1	.1	.2			
[illegible]-[illegible]	1.7	[illegible].7	[illegible].[illegible]	4.1	1.2	.1			
[illegible]-[illegible]	.[illegible]	[illegible].[illegible]	7.[illegible]	3.[illegible]	.[illegible]				
(W) 2[illegible]-[illegible]	.[illegible]	1.[illegible]	[illegible].4	2.[illegible]	.[illegible]				
[illegible]-[illegible]1	.1	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	.1				
[illegible]-[illegible]	1.1	[illegible].7	[illegible].[illegible]	1.6					
VARIABLE		.[illegible]	.3	.4					
CALM	//////////////////////								
TOTALS	1[illegible].3	31.[illegible]	35.1	16.[illegible]	3.3	.4			

TOTAL NUMBER OF OBSERVATIONS 930

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

[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: DEC HOURS: 12-14

WIND SPEED IN KNOTS									
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							3.2	7.3	7.0
.[illegible]	.1						[illegible]	[illegible]	7.5
							[illegible]	[illegible]	10.0
							[illegible]	[illegible]	[illegible]
							4.2	[illegible]	10.0
.[illegible]							[illegible]	[illegible]	[illegible]
.1	.[illegible]						[illegible]	[illegible]	[illegible]
[illegible]	.1						[illegible]	11.1	11.0
.[illegible]							[illegible]	11.[illegible]	10.0
.[illegible]							[illegible]	13.1	13.0
.1							[illegible]	10.[illegible]	10.0
							[illegible]	[illegible]	10.0
							1.3	12.1	11.[illegible]
//							[illegible]	//////////////	
[illegible].3	.4						100.0	13.2	10.0

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36[illegible]   STATION NAME: UPPER HEYFORD RAF UK   PERIOD
LST TO UTC: - 0   MONTH:

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 360-010	1.5	1.1	.4		.1	.2			
020-040	.[illegible]	.5	1.2	.1		.1			
050-070	1.[illegible]	1.0	1.3	.3					
(E) 080-100	1.[illegible]	1.5	1.1	.8					
110-130	2.2	.5	1.[illegible]	.1					
140-160	1.7	2.2	2.4	1.0	.1				
(S) 170-190	2.2	3.2	2.9	1.1	.1	.2			
200-220	[illegible]	4.9	5.1	2.9	1.0				
230-250	1.4	4.7	[illegible]	2.2	1.1	.2			
(W) 260-280	.[illegible]	2.5	3.1	1.3	.5				
290-310	1.3	2.7	2.9	.3	.1				
320-340	1.3	4.[illegible]	[illegible]						
VARIABLE		.2	.3		.1				
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	17.7	25.4	30.2	9.[illegible]	3.1	.7			

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

[illegible] AFB UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 15-17

WIND SPEED IN KNOTS									
1-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1	.2						3.3	7.6	6.0
	.1						2.7	9.1	10.0
							4.7	7.6	7.0
							4.1	8.3	8.0
							4.7	6.3	5.5
.1							7.3	8.0	8.0
.1	.2						8.7	8.9	9.0
1.0							20.3	9.3	8.0
1.1	.2						16.5	10.0	10.0
.3							8.4	10.3	10.5
.1							6.2	8.9	8.0
							8.6	7.7	8.0
.1							.6	12.2	11.5
//							2.5	//////////	
.1	.7						100.0	9.0	9.0

NO OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD:
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-43
(N) 350-010	1.3	.9	.5	.2	.2	.2			
020-040	.4	1.6	.3	.2					
050-070	.3	2.2	.6	.2					
(E) 080-100	1.[illegible]	2.7	1.2	.5	.2				
110-130	2.3	.9	1.3	.2					
140-160	2.[illegible]	1.7	1.[illegible]	.5	.3				
(S) 170-190	3.[illegible]	4.5	2.3	1.[illegible]	.2	.1			
200-220	2.3	[illegible].3	[illegible].2	3.2	1.0				
230-250	1.[illegible]	[illegible].2	5.7	1.8	.3	.1			
(W) 260-280	.[illegible]	3.0	1.[illegible]	1.0	.3	.2	.1	.1	
290-310	1.3	2.7	1.0	.3	.1				
320-340	1.7	3.3	1.[illegible]	.4					
VARIABLE			.1						
CALM	//								
TOTALS	17.[illegible]	38.3	26.3	10.3	2.6	.[illegible]	.1	.1	

TOTAL NUMBER OF OBSERVATIONS 930

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

[illegible]EYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: DEC HOURS: 18-20

WIND SPEED IN KNOTS [illegible]-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.2	.2						3.3	8.7	6.0
							2.6	7.6	8.0
							3.3	8.2	7.0
.2							5.5	9.4	7.0
							4.6	6.4	5.0
.3							6.3	8.5	7.0
.2	.1						12.9	8.3	8.0
1.0							20.9	10.1	10.0
.3	.1						15.1	9.9	9.0
.3	.2	.1	.1				7.1	11.2	9.5
.1							6.3	9.1	7.0
							7.3	7.8	7.5
							.1	14.0	14.0
//							3.0	//////////	
2.9	.6	.1	.1				100.0	9.8	8.0

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER HEYFORD RAF UK PLAI
LST TO UTC: - 0 MONT

	DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
(N)	350-010	.9	1.1	.5	.2	.1				
	020-040	.1	.5	.5	.1					
	050-070	.9	2.5	1.9	.1					
(E)	080-100	1.4	1.6	.9	.2	.2	.1			
	110-130	1.9	2.5	1.3						
	140-160	2.7	2.9	1.0	.5	.1				
(S)	170-190	2.1	4.3	2.4	1.0	.2				
	200-220	3.	7.3	4.2	3.5	1.0	.1			
	230-250	1.3	5.0	4.5	3.1	.2	.1			
(W)	260-280	1.1	2.3	1.4	1.4	.3	.1			
	290-310	1.4	2.4	1.3	.1	.2	.3			
	320-340	1.5	3.3	1.9	.2	.1				
	VARIABLE			.1		.1				
	CALM	//								
	TOTALS	19.9	35.5	25.7	10.4	3.0	.6			

TOTAL NUMBER OF OBSERVATIONS 330

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
M HOURLY OBSERVATIONS

RD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 21-23

SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						2.8	3.2	6.5
						1.5	8.9	9.0
						5.4	8.3	8.0
.1						4.3	8.3	6.5
						5.3	7.0	7.0
						6.6	7.0	6.0
						10.4	8.3	8.0
.1						19.2	10.3	9.0
.1						15.3	10.1	10.0
.1						7.5	11.1	9.0
.1						6.1	9.0	8.0
						7.2	7.9	8.0
						.2	17.5	17.5
//						4.6	//////////	
.6						100.0	8.8	8.0

OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
FROM HOURLY OBSERVATIONS

STATION NUMBER: 38553 STATION NAME: UPPER HEYWOOD GAP NC PERIO
LST TO UTC: - 0 MONTH

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	.9	1.1	.5	.1	.1	.1			
020-040	.4	1.5	.5	.1	.1	.1	.0		
050-070	.	1.9	1.4	.3	.0				
(E) 080-100	1.9	2.1	1.0	.3	.1	.0			
110-130	1.1	1.8	1.0	.2					
140-160	2.4	2.1	1.0	.0	.0				
(S) 170-190	2.4	3.7	2.6	1.2	.3	.1			
200-220	2.4	7.7	5.3	3.4	1.0	.1			
230-250	1.6	5.5	5.1	2.4	.5	.1			
(W) 260-280	.3	2.6	2.4	1.4	.5	.1	.0	.0	
290-310	.7	2.3	1.0	.5	.3	.0			
320-340	1.4	3.4	2.5	.3	.0				
VARIABLE		.2	.2	.1	.0				
CALM	//								
TOTALS	16.4	36.3	27.0	11.1	3.3	.5			

TOTAL NUMBER OF OBSERVATIONS 7443

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

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 85
MONTH: DEC HOURS: ALL

WIND SPEED IN KNOTS									
20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1	.1						2.8	7.7	7.0
.1	.1	.0					2.4	8.9	8.0
.3							4.3	8.4	8.0
.1	.0						4.7	7.7	7.0
							4.2	7.3	7.0
.2							7.0	8.1	7.0
.3	.1						10.2	9.0	8.0
1.0	.1						19.3	10.2	9.0
.5	.1						17.3	10.3	10.0
.5	.1	.0	.0				7.9	11.2	10.0
.3	.0						5.9	9.6	9.0
.3							7.5	8.2	8.0
.0							.5	11.5	10.0
//							4.3	//////////	
4.3	.6						100.0	9.0	9.0

NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE -
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53853 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CATEGORY A: CEILING OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/
AND/OR
VISIBILITY OF 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(1) 350-010	1.1	1.1	.4			.1			
020-040	.4	1.2	.4	.3	.2		.1		
050-070	1.1	2.1	2.4	.3	.1				
(2) 080-100	2.2	3.4	1.4	.1	.1	.1			
110-130	2.4	3.3	3.7	.5					
140-160	2.1	3.5	2.3	1.1	.4				
(3) 170-190	2.3	5.1	4.1	1.7	.4	.3			
200-220	2.1	6.2	5.4	5.7	.5				
230-250	1.1	5.9	7.4	2.9	.2				
(4) 260-280	.4	.7	.2	.1					
290-310	.4	1.4	.4	.3	.3				
320-340	1.1	3.9	.5	.1					
VARIABLE									
CALM	//								
TOTALS	17.4	35.2	23.4	12.7	2.2	.5	.1		

TOTAL NUMBER OF OBSERVATIONS 1939

...TAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

...: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 88
...: - 2 — MONTH: DEC HOURS: ALL

...

...MAX 1500 FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS).
...2/3
...800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

...

	WIND SPEED IN KNOTS									
...-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
		.1						2.7	6.4	5.0
.3	.2		.1					2.4	9.2	9.0
.3	.1							5.0	8.7	8.5
.1	.1	.1						7.1	7.0	7.0
.5								9.5	8.0	8.0
1.1	.4							10.2	8.5	8.0
1.7	.4	.3						13.5	9.7	9.0
3.7	.5							20.6	11.1	11.0
3.4	.2							13.1	11.0	11.0
.1								1.2	6.6	6.0
.3	.3							2.6	9.2	7.0
.1								5.9	6.4	5.0

...

// 4.5 ////////////

17.7 2.2 .5 .1 100.0 9.9 9.0

...NUMBER OF OBSERVATIONS 1989

...

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53553 STATION NAME: UPPER MCKENZIE RAP AK PERI
LST TO UTC: - 9 MONTH

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	2.1	2.3	.9	.2	.0	.2			
020-060	1.7	2.9	1.2	.3	.1	.0	.0		
070-100	1.4	2.1	1.0	.4	.0	.0			
(E) 110-140	1.4	1.9	1.0	.3	.1	.1			
150-180	1.1	1.3	.7	.1	.0				
190-200	1.3	1.9	.4	.2	.0	.0			
(S) 210-240	2.1	3.3	1.4	.6	.2	.2	.0		
250-280	3.1	5.3	4.9	1.7	.4	.1	.0	.0	
290-300	1.1	5.4	4.4	1.1	.4	.1	.0	.0	.0
(W) 310-340	1.4	4.2	3.3	1.0	.3	.1	.0	.0	
350-010	1.7	3.5	2.3	.7	.2	.0	.0	.0	
020-060	2.1	4.3	1.7	.4	.1	.0	.0		
VARIABLE	.3	.3	.2	.2	.0	.0	.0		
CALM	//								
TOTALS	24.7	50.3	23.4	7.5	1.7	.3			

TOTAL NUMBER OF OBSERVATIONS: 37577

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

[illegible] AFB, OK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: ALL HOURS: ALL

WIND SPEED IN KNOTS 22-24	25-27	28-33	34-39	40-47	48-55	GE 56	TOTAL %	MEAN WIND	MEDIAN WIND
.0	.0						5.4	6.6	6.0
.1	.0	.0					6.2	7.2	7.0
.0	.0						6.2	8.0	8.0
.0	.0						4.7	7.5	7.0
.0							3.5	6.4	6.0
.0	.0						5.0	6.0	6.0
.0	.0	.0					7.7	8.0	7.0
.4	.1	.0	.0				14.4	9.2	9.0
.4	.1	.0	.0	.0			13.2	9.5	9.0
.3	.1	.0	.0				8.2	8.5	8.0
.2	.0	.0	.0				4.4	8.6	8.0
.1	.0	.0					2.2	7.0	6.0
.0	.0	.0					1.7	10.7	10.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.6	//////////	//////////
1.7	.3						100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS: 87670

OPERATING LOCATION MAP — PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
HEADQUARTERS, AIR WEATHER — FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] AP [illegible]
LST TO UTC: - 0 MONTH

CEILING: [illegible] FEET OR LESS BUT LESS THAN 1500 FEET WITH VISIBILITY [illegible]
AND/OR
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4

(WIND DIR)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-17	22-24	25-27	33-34	35-43
(VRB-ALL)								
(*) [illegible]	[illegible]	[illegible]	1.1	.2	.1	.0		
[illegible]	[illegible]	[illegible]	1.	.	.0	.0	.	
[illegible]	1.0	4.1	2.0	.7	.1	.0		
(*) [illegible]	1.7	2.0	1.7	.0	.1	.0		
[illegible]	[illegible]	2.1	1.2	.2	.0			
[illegible]	2.0	3.0	1.0	.0	.1	.0		
(*) [illegible]	[illegible]	4.2	3.2	.2	.2	.1		
[illegible]	[illegible]	5.4	5.2	2.2	.0	.1	.	
[illegible]	1.0	8.3	8.2	1.4	.3	.0	.0	
(*) [illegible]	.2	.0	.2	.0	.0	.0	.0	
[illegible]	.0	1.3	.0	.1	.1			
[illegible]	[illegible]	3.0	.2	.2	.1	.0		
VARIABLE								
CALM	//							
TOTALS	21.2	37.2	23.0	4.3	1.9	.2		

TOTAL NUMBER OF OBSERVATIONS: 17331

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

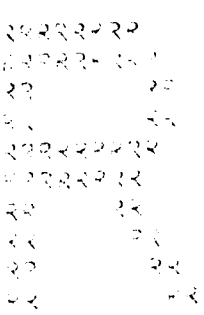
UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: ALL HOURS: ALL

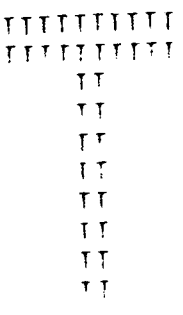
[illegible] 1500 FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS).

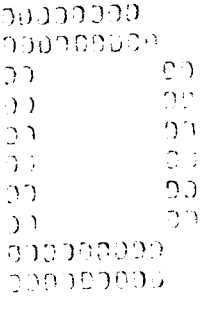
[illegible] METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

	WIND SPEED IN KNOTS								
	22-24	25-27	28-30	31-33	34-40	41-47	48-55	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	.1	.0						6.4	5.[illegible]	5.0
[illegible]	.0	.0	.0					3.0	4.1	7.0
[illegible]	.1	.0						3.2	3.5	3.0
[illegible]	.1	.0						5.[illegible]	[illegible].[illegible]	7.0
[illegible]	.0							5.[illegible]	6.7	[illegible].[illegible]
[illegible]	.1	.0						7.5	7.2	7.0
[illegible]	.0	.1						11.[illegible]	[illegible].[illegible]	5.0
[illegible]	.6	.1	.0					17.1	10.[illegible]	10.0
[illegible]	.3	.0	.0					[illegible].[illegible]	10.1	10.[illegible]
[illegible]	.0	.0	.0					1.3	[illegible].2	[illegible].0
[illegible]	.1							[illegible].[illegible]	7.1	6.0
[illegible]	.1	.0						[illegible].[illegible]	[illegible].3	6.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].[illegible]	[illegible]	[illegible]
[illegible].[illegible]	1.0	.2						100.0	7.3	8.0

[illegible] OF OBSERVATIONS: 17031







PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

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

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

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

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

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

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

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

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

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

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

0/8.....CLEAR

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

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

8/8.....OVERCAST

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

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF O
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13553 STATION NAME: UPPER HEYFORD RAF UK PERIO
LST TO UTC: - 0 MONT

CEILING IN FEET	VISIBILITY IN METERS									
	GE 112	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	25.0	25.5	28.3	29.5	30.6	31.0	31.9	32.3	32.4	32.4
GE 20000	29.5	30.1	32.0	32.6	34.6	35.0	35.2	36.6	36.7	36.7
GE 18000	29.6	30.2	32.1	32.7	34.7	35.1	35.3	36.7	36.8	36.8
GE 15000	29.6	30.2	32.1	32.7	34.7	35.1	35.3	36.7	36.8	36.8
GE 14000	29.6	30.2	32.1	32.7	34.7	35.1	35.3	36.7	36.8	36.8
GE 12000	29.9	30.5	32.4	33.2	35.1	35.5	36.7	37.1	37.2	37.2
GE 10000	30.4	31.1	33.0	33.6	35.7	36.2	37.4	37.8	37.9	37.9
GE 9000	30.5	31.2	33.1	33.8	35.8	36.3	37.4	37.8	38.0	38.0
GE 8000	30.9	31.6	33.5	34.2	36.2	36.7	37.9	38.3	38.4	38.4
GE 7000	31.3	32.0	33.9	34.7	36.7	37.2	38.4	38.8	38.9	38.9
GE 6000	32.2	32.9	34.8	35.6	37.6	38.1	39.3	39.7	39.8	39.8
GE 5000	33.2	33.9	35.8	36.6	38.6	39.1	40.3	40.7	40.8	40.8
GE 4500	33.7	34.5	36.4	37.2	39.2	39.7	40.9	41.3	41.4	41.4
GE 4000	34.2	35.0	36.9	37.7	39.7	40.2	41.4	41.8	41.9	41.9
GE 3500	34.9	35.8	37.7	38.5	40.5	41.0	42.2	42.6	42.7	42.7
GE 3000	35.8	36.7	38.6	39.4	41.4	41.9	43.1	43.5	43.6	43.6
GE 2500	36.9	37.8	39.7	40.5	42.5	43.0	44.2	44.6	44.7	44.7
GE 2000	38.2	39.1	41.0	41.8	43.8	44.3	45.5	45.9	46.0	46.0
GE 1800	38.6	39.5	41.4	42.2	44.2	44.7	45.9	46.3	46.4	46.4
GE 1600	39.1	40.0	41.9	42.7	44.7	45.2	46.4	46.8	46.9	46.9
GE 1400	39.6	40.5	42.4	43.2	45.2	45.7	46.9	47.3	47.4	47.4
GE 1200	40.3	41.2	43.1	43.9	45.9	46.4	47.6	48.0	48.1	48.1
GE 1000	41.2	42.1	44.0	44.8	46.8	47.3	48.5	48.9	49.0	49.0
GE 900	41.5	42.4	44.3	45.1	47.1	47.6	48.8	49.2	49.3	49.3
GE 800	41.9	42.8	44.7	45.5	47.5	48.0	49.2	49.6	49.7	49.7
GE 700	42.4	43.3	45.2	46.0	48.0	48.5	49.7	50.1	50.2	50.2
GE 600	42.8	43.7	45.6	46.4	48.4	48.9	50.1	50.5	50.6	50.6
GE 500	43.1	44.0	45.9	46.7	48.7	49.2	50.4	50.8	50.9	50.9
GE 400	43.4	44.3	46.2	47.0	49.0	49.5	50.7	51.1	51.2	51.2
GE 300	43.6	44.5	46.4	47.2	49.2	49.7	50.9	51.3	51.4	51.4
GE 200	43.6	44.5	46.4	47.2	49.2	49.7	50.9	51.3	51.4	51.4
GE 100	43.6	44.5	46.4	47.2	49.2	49.7	50.9	51.3	51.4	51.4
GE 000	43.6	44.5	46.4	47.2	49.2	49.7	50.9	51.3	51.4	51.4

TOTAL NUMBER OF OBSERVATIONS 929

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

R MEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	31.0	31.9	32.3	32.4	32.4	32.8	33.2	33.5	33.8	33.9	34.2
	35.0	35.2	35.6	35.7	35.7	37.1	37.5	37.8	38.1	38.2	38.5
	35.1	35.3	35.7	35.8	35.8	37.2	37.6	37.9	38.2	38.3	38.6
	35.1	35.3	35.7	35.8	35.8	37.2	37.6	37.9	38.2	38.3	38.6
	35.1	35.3	35.7	35.8	35.8	37.2	37.6	37.9	38.2	38.3	38.6
	35.5	35.7	37.1	37.2	37.2	37.7	38.0	38.3	38.6	38.8	39.1
	36.2	37.4	37.8	37.9	37.9	38.3	38.6	39.0	39.3	39.4	39.7
	36.7	37.9	38.3	38.4	38.4	38.9	39.2	39.5	39.8	39.9	40.3
	39.1	40.9	41.4	41.6	41.6	42.0	42.3	42.6	42.9	43.1	43.4
	39.4	41.2	41.8	41.9	41.9	42.3	42.6	42.9	43.3	43.4	43.7
	40.7	42.5	43.2	43.3	43.3	43.7	44.0	44.3	44.7	44.8	45.1
	45.0	45.3	47.5	47.8	47.8	48.2	48.5	48.9	49.2	49.3	49.6
	49.8	51.2	52.2	52.5	52.5	53.0	53.3	53.6	53.9	54.0	54.4
	52.7	55.1	56.3	56.5	56.5	57.2	57.5	57.8	58.1	58.2	58.6
	56.8	58.2	59.4	59.7	59.7	60.3	60.6	60.9	61.2	61.4	61.7
	59.4	61.9	63.3	63.6	63.6	64.2	64.5	64.8	65.1	65.2	65.6
	61.7	64.3	66.0	66.4	66.4	67.0	67.3	67.6	67.9	68.0	68.4
	64.5	67.3	69.0	69.5	69.5	70.1	70.4	70.7	71.0	71.2	71.5
	66.0	68.7	70.4	70.9	70.9	71.5	71.8	72.1	72.4	72.6	72.9
	68.9	71.6	73.6	74.3	74.3	74.9	75.2	75.6	75.9	76.0	76.3
	71.3	74.0	76.0	76.7	76.7	77.4	77.7	78.0	78.4	78.5	78.8
	73.5	76.3	78.4	79.4	79.4	80.1	80.4	80.7	81.4	81.5	81.8
	73.8	76.7	78.8	79.9	79.9	80.5	80.8	81.2	81.8	81.9	82.2
	75.0	77.9	80.1	81.2	81.2	82.0	82.3	82.8	83.4	83.5	83.9
	76.4	79.4	82.3	83.4	83.5	84.4	84.7	85.1	85.8	85.9	86.2
	76.7	79.8	82.7	84.0	84.1	84.9	85.3	85.7	86.3	86.4	86.8
	78.3	81.7	85.0	86.7	86.9	87.7	88.1	88.5	89.1	89.2	89.6
	78.7	82.2	85.8	87.8	88.1	88.9	89.3	89.8	90.5	91.0	91.6
	79.0	82.7	86.9	89.1	89.6	90.4	90.9	91.3	92.2	92.9	93.9
	79.1	82.9	87.3	90.1	90.6	91.7	92.1	92.7	94.0	95.6	97.8
	79.1	82.9	87.3	90.1	90.6	91.8	92.2	92.8	94.1	96.6	99.6
	79.1	82.9	87.3	90.1	90.6	91.8	92.2	92.8	94.2	97.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE 80	GE 50	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	26.1	26.3	28.7	29.5	30.3	30.8	31.3	31.6	31.9	32.0
GE 20000	29.5	29.5	32.2	33.0	34.4	34.8	35.6	36.0	36.3	36.5
GE 18000	29.5	29.8	32.2	33.0	34.4	34.8	35.6	36.0	36.3	36.5
GE 16000	29.5	29.8	32.2	33.0	34.4	34.8	35.6	36.0	36.3	36.5
GE 14000	29.5	29.8	32.2	33.0	34.4	34.8	35.6	36.0	36.3	36.5
GE 12000	30.0	30.2	32.6	33.4	34.8	35.3	36.0	36.5	36.8	36.9
GE 10000	30.5	30.8	33.4	34.3	35.7	36.1	36.9	37.3	37.6	37.7
GE 9000	31.0	31.2	34.0	34.8	36.2	36.7	37.4	37.8	38.2	38.3
GE 8000	32.0	32.2	35.1	37.1	38.5	38.9	40.1	40.9	41.1	41.3
GE 7000	33.3	33.5	36.6	37.4	38.8	39.2	40.4	41.1	41.4	41.5
GE 6000	33.4	33.7	36.6	37.5	39.4	39.8	41.0	41.5	41.9	42.2
GE 5000	35.5	36.7	39.0	40.2	42.6	43.0	44.2	44.8	45.3	45.5
GE 4500	37.5	38.0	41.3	42.5	45.4	45.9	47.1	47.8	48.3	48.5
GE 4000	41.5	41.9	45.3	47.0	49.9	50.3	51.7	52.4	53.3	53.6
GE 3500	43.0	43.4	47.3	48.5	51.8	52.3	53.7	54.7	55.3	55.5
GE 3000	45.4	46.2	50.5	51.7	55.1	55.6	57.0	58.2	58.7	59.1
GE 2500	47.3	48.7	53.2	54.5	58.0	58.7	60.3	61.5	62.5	62.7
GE 2000	50.3	50.9	55.5	57.5	61.2	62.2	64.3	65.3	66.1	66.3
GE 1800	51.1	51.6	56.7	58.5	62.2	63.1	64.7	66.2	67.1	67.3
GE 1500	53.1	53.9	59.0	61.5	65.4	66.3	68.1	69.7	70.5	71.0
GE 1200	54.4	55.2	61.3	63.4	67.4	68.4	70.2	72.0	72.9	73.3
GE 1000	55.7	57.1	63.1	65.4	69.7	70.8	72.6	74.4	75.3	75.9
GE 900	56.5	57.2	64.1	66.3	70.8	71.7	73.5	75.4	76.7	77.1
GE 800	57.2	58.0	65.1	67.5	72.0	73.2	75.2	77.0	78.3	78.7
GE 700	58.4	59.2	66.3	69.4	74.1	75.5	77.6	79.7	81.2	81.5
GE 600	58.7	59.6	67.1	69.7	74.4	75.8	78.3	80.3	81.9	82.5
GE 500	59.5	60.3	68.5	71.5	76.8	78.6	81.1	84.0	85.7	86.1
GE 400	59.8	60.5	69.0	72.0	77.6	79.8	82.3	85.5	87.4	88.4
GE 300	59.9	60.8	69.1	72.2	77.8	80.0	82.5	85.9	88.3	89.4
GE 200	59.9	60.9	69.1	72.2	77.8	80.0	82.5	85.9	89.5	89.6
GE 100	59.9	60.9	69.1	72.4	78.2	80.3	82.8	86.2	88.9	89.7
GE 000	59.9	60.9	69.1	72.4	78.2	80.3	82.8	86.2	89.5	89.7

TOTAL NUMBER OF OBSERVATIONS 930

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JAN HOURS: 03-05

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
.8 30.8	31.3	31.6	31.9	32.0	32.0	32.7	32.8	32.8	32.9	33.1
.4 34.5	35.5	36.0	36.3	36.5	36.5	37.1	37.3	37.3	37.4	37.5
.4 34.5	35.5	36.0	36.3	36.5	36.5	37.1	37.3	37.3	37.4	37.5
.4 34.5	35.5	36.0	36.3	36.5	36.5	37.1	37.3	37.3	37.4	37.5
.4 34.8	35.6	36.0	36.3	36.5	36.5	37.1	37.3	37.3	37.4	37.5
.7 35.3	36.0	36.5	36.8	36.9	36.9	37.5	37.7	37.7	37.8	38.1
.7 36.1	36.9	37.3	37.5	37.7	37.7	38.4	38.6	38.6	38.7	38.9
.2 36.7	37.4	37.8	38.2	38.3	38.3	38.9	39.1	39.1	39.2	39.5
.8 38.9	40.1	40.9	41.1	41.3	41.3	41.9	42.2	42.2	42.3	42.5
.1 39.2	40.4	41.1	41.4	41.6	41.6	42.3	42.5	42.5	42.6	42.8
.4 39.8	41.0	41.6	41.9	42.2	42.2	42.8	43.0	43.0	43.1	43.3
.6 43.3	44.2	44.8	45.3	45.5	45.6	46.2	46.5	46.5	46.6	46.8
.4 45.3	47.1	47.8	48.3	48.5	48.6	49.2	49.5	49.5	49.6	49.8
.8 50.3	51.7	52.5	53.3	53.5	54.1	54.7	54.9	54.9	55.1	55.3
.1 52.3	53.7	54.7	55.3	55.5	56.0	56.7	56.9	56.9	57.0	57.2
.1 55.6	57.0	58.2	58.7	59.0	59.5	60.1	60.3	60.3	60.5	60.8
.9 52.7	54.3	61.6	62.5	62.7	63.2	63.9	64.1	64.1	64.3	64.5
.2 62.2	63.3	65.3	66.1	66.3	66.9	67.5	67.7	67.7	68.0	68.2
.7 63.1	64.7	66.2	67.1	67.3	67.8	68.5	68.7	68.7	68.9	69.1
.4 66.3	68.1	69.7	70.5	71.0	71.5	72.2	72.4	72.4	72.6	72.8
.4 68.4	70.2	72.0	72.9	73.3	73.9	74.5	74.7	74.7	74.9	75.2
.7 70.4	72.5	74.4	75.6	76.0	76.6	77.2	77.4	77.7	78.0	78.2
.3 71.7	73.5	75.4	76.7	77.1	77.6	78.3	78.5	78.8	79.0	79.2
.0 73.2	75.2	77.0	78.3	78.7	79.2	79.9	80.1	80.4	80.6	80.9
.1 75.5	77.6	79.7	81.2	81.6	82.2	82.8	83.0	83.5	83.8	84.0
.4 75.8	78.3	80.3	81.8	82.5	83.0	83.7	83.9	84.4	84.6	84.8
.7 78.6	81.1	84.0	85.7	86.6	87.4	88.2	88.6	89.1	89.4	89.6
.4 79.8	82.3	85.5	87.4	88.4	89.5	90.2	90.6	91.3	91.5	92.2
.7 80.0	82.5	85.9	88.3	89.4	90.5	91.5	91.9	92.6	92.9	93.4
.4 80.0	82.5	85.9	88.5	89.6	90.9	91.8	92.6	93.4	94.4	96.3
.2 80.3	82.8	86.2	88.8	89.9	91.2	92.2	93.0	94.0	95.9	99.4
.2 80.3	82.8	86.2	88.8	89.9	91.2	92.2	93.0	94.1	96.5	100.0

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	GE 1112	GE 800	GE 600	GE 500	GE 400	GE 300	GE 200	GE 150	GE 100	G
NO CEIL	25.2	25.5	28.2	29.9	30.2	30.9	31.6	32.5	32.9	3
GE 20000	27.5	27.8	31.0	32.0	33.7	34.3	35.1	35.9	36.2	4
GE 18000	27.5	27.8	31.0	32.0	33.7	34.3	35.1	35.9	36.2	3
GE 16000	27.5	27.8	31.0	32.0	33.7	34.3	35.1	35.9	36.2	3
GE 14000	27.5	27.8	31.0	32.0	33.7	34.3	35.1	35.9	36.2	3
GE 12000	28.5	28.8	31.9	33.0	34.6	35.3	36.0	36.9	37.2	3
GE 10000	31.5	31.9	33.2	34.3	35.7	36.5	37.3	38.2	38.5	3
GE 9000	32.4	33.0	34.2	35.3	36.7	37.5	38.3	39.1	39.5	3
GE 8000	32.7	33.2	35.9	37.1	37.9	40.5	41.3	42.2	42.5	4
GE 7000	32.9	33.3	37.1	38.3	40.1	40.9	41.5	42.4	42.7	4
GE 6000	32.9	33.4	37.2	38.4	40.3	41.0	41.7	42.5	42.9	4
GE 5000	34.5	35.3	39.5	40.5	43.1	43.9	44.7	45.6	46.1	4
GE 4500	37.5	38.3	42.9	44.2	47.0	47.8	48.7	49.9	50.2	5
GE 4000	41.1	42.3	47.5	49.0	52.0	52.7	54.0	55.5	56.3	5
GE 3500	43.2	44.1	49.5	50.9	54.1	54.7	56.0	57.5	58.3	5
GE 3000	46.7	48.5	52.2	53.7	56.9	57.7	59.1	60.5	61.3	6
GE 2500	47.7	48.7	54.3	55.8	59.5	60.4	61.8	63.4	64.1	6
GE 2000	50.2	51.3	57.5	59.2	63.3	64.2	65.8	67.3	68.2	6
GE 1800	50.4	51.4	58.1	59.8	64.0	64.8	66.2	67.9	68.9	6
GE 1600	51.9	53.0	60.1	62.2	66.6	67.5	69.1	71.1	71.9	7
GE 1200	53.4	54.5	62.3	64.3	68.7	69.7	71.3	73.2	74.1	7
GE 1000	55.3	56.2	64.3	66.3	71.4	72.5	74.4	76.3	77.3	7
GE 900	55.5	56.4	64.7	67.2	71.9	73.1	75.2	77.1	78.1	7
GE 800	55.9	56.9	65.4	67.8	72.7	74.1	76.2	78.4	79.4	7
GE 700	56.5	57.5	66.5	69.1	74.0	75.4	77.6	80.0	81.2	8
GE 600	56.7	57.7	66.9	69.7	74.7	76.3	78.9	81.4	82.6	8
GE 500	57.2	58.3	67.6	70.4	75.7	77.4	80.1	83.5	84.9	8
GE 400	57.5	58.6	68.2	71.1	76.8	78.2	81.0	84.5	86.0	8
GE 300	57.5	58.7	68.7	71.7	77.0	79.0	81.9	85.9	87.7	8
GE 200	57.5	58.7	68.7	71.7	77.2	79.2	82.2	86.3	88.1	8
GE 100	57.5	58.7	68.7	71.7	77.2	79.2	82.2	86.5	88.2	9
GE 000	57.5	58.7	68.7	71.7	77.2	79.2	82.2	86.5	88.2	9

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 74 - JUN 88
...: - 0 — MONTH: JAN HOURS: 06-08

VISIBILITY IN METERS											
GE +8	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
30.2	30.9	31.6	32.5	32.8	32.9	32.9	32.9	33.1	33.2	33.2	33.8
33.7	34.3	35.1	35.9	36.2	36.2	36.2	36.3	36.5	36.7	36.7	37.2
33.7	34.3	35.1	35.9	36.2	36.2	36.2	36.3	36.5	36.7	36.7	37.2
33.7	34.3	35.1	35.9	36.2	36.2	36.2	36.3	36.5	36.7	36.7	37.2
33.7	34.3	35.1	35.9	36.2	36.2	36.2	36.3	36.5	36.7	36.7	37.2
34.6	35.3	36.0	36.9	37.2	37.2	37.2	37.3	37.5	37.6	37.6	38.2
35.9	36.5	37.3	38.2	38.5	38.5	38.5	38.6	38.8	38.9	38.9	39.5
36.3	37.5	38.3	39.1	39.5	39.5	39.5	39.6	39.8	39.9	39.9	40.4
39.9	40.6	41.3	42.2	42.5	42.5	42.5	42.6	42.8	42.9	42.9	43.4
40.1	40.8	41.5	42.4	42.7	42.7	42.7	42.8	43.0	43.1	43.1	43.7
40.3	41.0	41.7	42.6	42.9	42.9	42.9	43.0	43.2	43.3	43.3	43.9
43.1	43.8	44.9	45.8	46.1	46.1	46.1	46.2	46.5	46.6	46.6	47.1
47.0	47.6	48.7	49.9	50.2	50.2	50.3	50.4	50.6	50.8	50.8	51.3
52.0	52.7	54.0	55.5	55.9	55.9	56.1	56.3	56.6	56.8	56.8	57.3
54.1	54.7	56.0	57.5	58.0	58.0	58.2	58.4	58.6	58.8	58.8	59.4
56.9	57.7	59.1	60.6	61.3	61.3	61.5	61.7	61.9	62.2	62.2	62.7
63.0	63.8	65.4	67.4	68.1	68.1	68.3	68.5	68.7	68.9	68.9	69.5
63.3	64.2	65.9	67.8	68.5	68.5	68.7	68.9	69.1	69.3	69.3	69.9
64.0	64.8	66.5	68.4	69.0	69.0	69.2	69.4	69.7	69.9	69.9	70.5
66.6	67.5	69.1	71.1	71.9	71.9	72.4	72.6	73.1	73.3	73.3	73.9
68.7	69.7	71.3	73.2	74.1	74.1	74.5	74.7	75.3	75.5	75.5	76.0
71.4	72.3	74.4	76.3	77.3	77.5	78.0	78.2	78.8	79.2	79.2	79.9
71.9	73.1	75.2	77.1	78.1	78.3	78.7	78.9	79.6	80.0	80.0	80.6
72.7	74.1	76.2	78.4	79.4	79.6	80.0	80.2	80.9	81.3	81.3	81.9
74.0	75.4	77.6	80.2	81.2	81.7	82.2	82.4	83.1	83.7	83.7	84.3
74.7	76.3	78.9	81.4	82.6	83.1	83.7	83.9	84.6	85.3	85.4	86.0
75.7	77.4	80.1	83.5	84.9	85.5	86.2	86.5	87.2	87.6	88.1	88.7
76.3	78.2	81.0	84.6	86.0	86.6	87.4	87.6	88.5	89.1	89.5	90.4
77.0	79.0	81.9	85.0	87.7	88.3	89.5	89.8	90.8	91.5	91.5	92.9
77.2	79.2	82.2	86.3	88.1	89.2	90.9	91.4	92.5	93.5	94.4	96.9
77.2	79.2	82.2	86.5	88.2	89.4	91.0	91.5	92.6	93.8	95.1	99.6
77.2	79.2	82.2	86.5	88.2	89.4	91.0	91.5	92.6	93.8	95.3	100.0

OPERATING LOCATION "A"
JSHEBIAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIO

STATION NUMBER: 36583 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING	VISIBILITY IN METERS									
IN FEET	11?	[illegible]	[illegible]	[illegible]	4800	4000	3200	2400	1600	1
NO CEIL	21.6	[illegible]	23.[illegible]	23.9	25.3	25.7	25.9	26.[illegible]	26.[illegible]	27
20000	24.[illegible]	24.7	25.4	29.1	31.3	32.0	32.3	33.4	33.2	33
15000	24.[illegible]	24.7	25.4	29.1	31.3	32.0	32.3	32.4	33.2	33
10000	24.[illegible]	24.7	25.4	29.1	31.3	32.0	32.3	32.4	33.2	33
8000	24.5	24.7	28.4	29.1	31.3	32.0	32.3	32.4	33.2	33
6000	25.4	25.4	29.2	30.0	32.2	32.9	33.1	33.2	34.1	34
5000	26.3	26.7	31.5	31.5	34.0	34.7	34.9	35.1	35.9	36
4500	26.[illegible]	26.[illegible]	31.9	31.9	34.4	35.2	35.4	35.5	36.3	36
4000	27.3	27.[illegible]	32.7	34.1	37.2	38.9	39.1	39.2	40.2	40
3500	28.[illegible]	28.[illegible]	33.1	34.[illegible]	38.4	39.5	39.[illegible]	39.9	40.9	41
3000	28.7	29.1	33.3	34.[illegible]	38.6	39.7	40.2	40.2	41.2	41
2500	30.[illegible]	31.[illegible]	35.7	37.[illegible]	41.4	42.5	42.[illegible]	43.2	44.2	44
2000	30.[illegible]	32.[illegible]	37.[illegible]	39.7	43.3	44.1	44.[illegible]	44.[illegible]	45.2	45
1500	31.[illegible]	33.[illegible]	41.5	43.[illegible]	47.2	48.5	48.[illegible]	48.[illegible]	49.2	49
1000	35.[illegible]	37.[illegible]	44.[illegible]	46.[illegible]	51.5	53.1	53.7	54.4	55.3	55
900	36.4	38.[illegible]	44.[illegible]	47.[illegible]	52.1	53.8	54.4	55.[illegible]	56.2	56
800	37.[illegible]	41.[illegible]	46.3	49.4	54.1	57.2	58.[illegible]	59.[illegible]	60.[illegible]	60
700	38.[illegible]	42.[illegible]	48.[illegible]	52.3	56.[illegible]	60.0	62.[illegible]	63.1	64.1	64
600	39.[illegible]	43.[illegible]	49.[illegible]	53.3	58.2	61.1	63.[illegible]	64.4	65.5	65
500	40.[illegible]	44.[illegible]	50.[illegible]	54.[illegible]	59.1	62.4	64.[illegible]	65.[illegible]	71.[illegible]	72
400	41.[illegible]	45.[illegible]	51.[illegible]	55.[illegible]	60.[illegible]	63.[illegible]	65.[illegible]	67.[illegible]	73.[illegible]	74
300	42.[illegible]	46.[illegible]	52.[illegible]	56.[illegible]	61.[illegible]	64.[illegible]	66.[illegible]	68.[illegible]	74.[illegible]	75
200	43.[illegible]	47.[illegible]	53.[illegible]	57.[illegible]	62.[illegible]	65.[illegible]	67.[illegible]	69.[illegible]	75.[illegible]	76
100	44.[illegible]	48.[illegible]	54.[illegible]	58.[illegible]	63.[illegible]	66.[illegible]	68.[illegible]	70.[illegible]	76.[illegible]	77
0	44.[illegible]	48.[illegible]	54.[illegible]	58.[illegible]	63.[illegible]	66.[illegible]	68.[illegible]	70.[illegible]	76.[illegible]	77

TOTAL NUMBER OF OBSERVATIONS 930

...CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...PPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 85
... MONTH: JAN HOURS: 09-11

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
...0	25.7	25.9	26.0	26.3	27.0	27.2	27.4	27.4	27.5	27.7	28.1
...3	32.0	32.3	32.4	33.2	33.4	33.7	34.0	34.0	34.1	34.3	34.5
...3	32.0	32.3	32.4	33.2	33.4	33.7	34.0	34.0	34.1	34.3	34.6
...3	32.0	32.3	32.4	33.2	33.4	33.7	34.0	34.0	34.1	34.3	34.5
...3	32.0	32.3	32.4	33.2	33.4	33.7	34.0	34.0	34.1	34.3	34.6
...3	32.9	33.1	33.2	34.1	34.3	34.5	34.8	34.8	34.9	35.2	35.5
...3	34.7	34.9	35.1	35.9	36.1	36.5	36.8	36.8	36.9	37.3	37.5
...4	35.2	35.4	35.5	36.5	36.8	37.2	37.5	37.5	37.7	38.2	38.5
...3	38.9	39.1	39.2	40.2	40.5	41.0	41.3	41.3	41.5	41.9	42.3
...4	39.5	39.8	39.9	40.9	41.2	41.6	41.9	41.9	42.2	42.6	42.9
...4	39.7	40.0	40.2	41.2	41.5	41.9	42.3	42.3	42.6	42.9	43.2
...4	42.6	42.9	43.2	44.2	44.5	45.1	45.4	45.4	45.6	46.1	46.5
...4	45.1	45.6	45.9	46.9	47.3	48.2	48.5	48.5	48.7	49.2	49.7
...2	49.5	50.0	50.3	52.0	52.7	53.4	53.8	53.8	54.0	54.5	54.9
...3	53.1	53.7	54.4	55.9	56.6	57.3	57.6	57.6	57.8	58.4	58.8
...3	57.0	57.5	58.3	60.0	60.5	61.4	61.7	61.7	61.9	62.5	62.9
...2	58.9	59.5	60.3	62.2	62.8	63.7	64.0	64.0	64.2	64.7	65.2
...2	62.6	63.1	64.1	66.2	67.1	68.1	68.5	68.5	68.8	69.4	69.8
...1	62.3	63.4	64.4	66.6	67.4	68.4	68.9	68.9	69.1	69.7	70.1
...4	67.4	68.3	69.2	71.5	72.4	73.3	73.9	73.9	74.1	74.6	75.1
...1	69.1	70.0	71.0	73.2	74.1	75.1	75.6	75.6	75.8	76.3	76.8
.	72.0	72.9	73.9	76.1	77.0	78.0	78.5	78.5	78.7	79.2	79.8
.	72.9	73.8	75.1	77.3	78.2	79.1	79.7	79.7	79.9	80.4	81.0
.	74.0	74.9	76.5	78.8	79.7	81.0	81.5	81.5	81.9	82.5	83.0
...2	74.3	75.3	76.9	79.4	80.2	81.6	82.2	82.5	83.0	83.5	84.1
...4	75.8	76.9	78.7	81.3	82.2	83.8	84.3	84.6	85.2	85.7	86.2
...3	76.6	77.6	80.1	82.9	83.9	85.6	86.5	86.8	87.3	88.0	88.5
...3	76.9	78.4	81.1	84.1	85.5	87.6	88.5	88.9	89.6	90.3	90.9
...3	76.9	78.5	81.4	84.8	86.9	89.2	90.2	90.9	91.5	92.4	93.3
...3	77.1	78.5	81.7	85.4	87.4	90.0	91.3	92.0	93.1	94.2	96.0
...3	77.1	78.3	81.7	85.4	87.5	90.1	91.4	92.4	94.0	95.5	99.6
...	77.1	78.5	81.7	85.4	87.5	90.1	91.4	92.4	94.0	95.6	100.0

OPERATING LOCATION "A"
USAFETAC, ASH VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATI

STATION NUMBER: 13583 STATION NAME: UPPER MAYFIELD AP KY
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS								
	11	3	3	3	3	3	3	3	3
	11	3	3	3	4	4	3	2	2
22000	24.7	24.7	27.2	27.2	27.3	27.3	27.3	27.2	27.3
15000	24.7	24.7	27.3	27.1	27.1	29.4	29.5	29.4	29.7
10000	24.7	24.7	27.3	27.1	27.1	29.4	29.5	29.4	29.7
7000	25.2	25.2	27.3	27.3	27.3	29.6	29.6	29.6	29.9
5000	25.2	25.2	27.3	27.3	27.3	29.6	29.6	29.6	29.9
3000	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
2500	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
2000	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
1800	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
1600	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
1400	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
1200	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
1000	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
900	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
800	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
700	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
600	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
500	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
400	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
300	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
200	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
100	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4
0	27.	27.	29.3	29.3	29.3	30.2	30.5	31.2	31.4

TOTAL NUMBER OF OBSERVATIONS 329

F[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] HOURLY OBSERVATIONS

[illegible] AFB, UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: JAN HOURS: 12-14

CEILING IN METERS

22.9	23.1	23.3	23.5	23.7	23.7	23.7	23.7	23.9	23.9
31.0	31.2	31.3	31.3	31.1	31.1	31.1	31.1	31.2	31.3
31.0	31.2	31.3	31.1	31.2	31.2	31.2	31.2	31.3	31.4
31.0	31.2	31.3	31.1	31.2	31.2	31.2	31.2	31.3	31.4
31.2	31.4	31.5	31.3	31.4	31.4	31.4	31.4	31.5	31.6
31.9	32.1	32.2	32.0	32.1	32.1	32.1	32.1	32.2	32.3
35.7	35.9	36.0	35.2	35.4	35.4	35.4	35.4	35.5	35.7
36.4	36.6	36.7	36.2	36.3	36.3	36.3	36.3	36.5	36.6
40.1	40.3	40.4	40.2	40.3	40.3	40.3	40.4	41.1	41.2
41.9	42.1	42.2	41.9	41.9	41.9	41.9	41.9	42.1	42.2
42.4	42.6	42.7	42.1	42.2	42.2	42.2	42.2	42.4	42.5
43.9	44.1	44.2	44.1	44.2	44.2	44.2	44.2	44.3	44.5
46.7	46.9	46.9	46.7	46.9	46.9	46.9	46.9	47.1	47.3
52.3	52.7	52.8	52.1	52.2	52.2	52.2	52.2	52.4	52.6
54.6	54.8	54.9	54.7	54.8	54.8	54.8	54.8	54.9	55.1
56.5	56.7	56.8	56.6	56.8	56.7	56.7	56.7	56.9	57.0
57.7	57.9	58.0	57.8	57.9	57.9	57.9	57.9	58.1	58.2
70.7	70.9	71.0	70.8	70.9	70.9	70.9	70.9	71.1	71.2
71.3	71.5	71.6	71.4	71.5	71.5	71.5	71.5	71.7	71.8
71.9	72.1	72.2	72.0	72.1	72.1	72.1	72.1	72.3	72.4
73.7	73.9	74.0	73.8	73.9	73.9	73.9	73.9	74.1	74.2
74.9	75.1	75.2	75.0	75.1	75.1	75.1	75.1	75.3	75.4
75.8	75.9	76.0	75.8	75.9	75.9	75.9	75.9	76.1	76.2
76.6	76.8	76.9	76.7	76.8	76.8	76.8	76.8	77.0	77.1
77.5	77.7	77.8	77.6	77.7	77.7	77.7	77.7	77.9	78.0
78.4	78.6	78.7	78.5	78.6	78.6	78.6	78.6	78.8	78.9
79.3	79.5	79.6	79.4	79.5	79.5	79.5	79.5	79.7	79.8
80.1	80.3	80.4	80.2	80.3	80.3	80.3	80.3	80.5	80.6
81.0	81.2	81.3	81.1	81.2	81.2	81.2	81.2	81.4	81.5
82.2	82.4	82.5	82.3	82.4	82.4	82.4	82.4	82.6	82.7
83.1	83.3	83.4	83.2	83.3	83.3	83.3	83.3	83.5	83.6
84.4	84.6	84.7	84.5	84.6	84.6	84.6	84.6	84.8	84.9
85.6	85.8	85.9	85.7	85.8	85.8	85.8	85.8	86.0	86.1
87.0	87.2	87.3	87.1	87.2	87.2	87.2	87.2	87.4	87.5
88.7	88.9	89.0	88.8	88.9	88.9	88.9	88.9	89.1	89.2
90.3	90.5	90.6	90.4	90.5	90.5	90.5	90.5	90.7	90.8
91.8	92.0	92.1	91.9	92.0	92.0	92.0	92.0	92.2	92.3
93.8	94.0	94.1	93.9	94.0	94.0	94.0	94.0	94.2	94.3
96.2	96.4	96.5	96.3	96.4	96.4	96.4	96.4	96.6	96.7
97.0	97.2	97.3	97.1	97.2	97.2	97.2	97.2	97.4	97.5
98.2	98.4	98.5	98.3	98.4	98.4	98.4	98.4	98.6	98.7
99.2	99.4	99.5	99.3	99.4	99.4	99.4	99.4	99.6	99.7
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13583 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	22	2	35	80	3[illegible]	8[illegible]	3[illegible]	3[illegible]	3[illegible]	5[illegible]
	112	[illegible]	80	60	4[illegible]	4[illegible]	32	24	20	16
22 CEIL	19.4	19.4	22.5	23.2	23.9	24.0	24.2	24.7	24.7	24.9
3[illegible]	2[illegible].1	[illegible].1	29.2	30.4	31.3	31.4	31.[illegible]	32.[illegible]	32.[illegible]	32.
2[illegible]	2[illegible].3	[illegible].4	29.3	30.[illegible]	31.[illegible]	31.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]	33.
2[illegible]	2[illegible].4	[illegible].3	29.5	30.[illegible]	31.[illegible]	31.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]	33.[illegible]
2[illegible]	2[illegible].3	[illegible].3	29.5	30.[illegible]	31.[illegible]	31.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]	33.[illegible]
2[illegible]	2[illegible].7	[illegible].7	29.9	31.1	31.[illegible]	32.0	32.[illegible]	33.2	33.2	33.[illegible]
2[illegible]	2[illegible].7	2[illegible].7	31.9	33.3	34.3	34.4	34.[illegible]	35.6	35.[illegible]	35.[illegible]
3[illegible]	3[illegible].1	[illegible].[illegible]	33.1	34.[illegible]	35.[illegible]	35.[illegible]	36.[illegible]	36.[illegible]	36.[illegible]	37.[illegible]
3[illegible]	3[illegible].1	3[illegible].6	37.3	38.[illegible]	41.[illegible]	41.[illegible]	42.2	43.[illegible]	43.1	43.[illegible]
3[illegible]	4[illegible].2	[illegible].[illegible]	38.1	39.7	42.[illegible]	42.[illegible]	42.[illegible]	43.[illegible]	43.[illegible]	44.[illegible]
3[illegible]	4[illegible].[illegible]	[illegible].[illegible]	38.[illegible]	40.[illegible]	42.5	42.[illegible]	43.4	44.3	44.[illegible]	44.7
3[illegible]	3[illegible].1	[illegible].[illegible]	41.4	43.1	45.5	45.9	46.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]
4[illegible]	4[illegible].[illegible]	4[illegible].7	44.7	46.[illegible]	49.7	50.[illegible]	50.[illegible]	51.[illegible]	51.[illegible]	52.[illegible]
4[illegible]	4[illegible].3	4[illegible].4	47.3	51.[illegible]	53.[illegible]	54.3	54.4	55.[illegible]	55.[illegible]	56.[illegible]
4[illegible]	4[illegible].4	4[illegible].7	51.4	53.7	57.2	57.6	57.7	58.[illegible]	58.[illegible]	59.[illegible]
4[illegible]	4[illegible].7	4[illegible].1	54.7	57.1	60.9	61.3	62.5	64.[illegible]	64.4	65.[illegible]
5[illegible]	5[illegible].[illegible]	5[illegible].4	57.[illegible]	60.3	64.1	64.7	65.[illegible]	67.1	67.[illegible]	68.[illegible]
5[illegible]	5[illegible].7	5[illegible].[illegible]	62.7	65.7	69.3	69.[illegible]	70.[illegible]	71.[illegible]	71.[illegible]	72.[illegible]
6[illegible]	6[illegible].[illegible]	6[illegible].4	63.5	66.[illegible]	67.4	68.1	69.[illegible]	71.[illegible]	72.[illegible]	73.4
6[illegible]	6[illegible].[illegible]	6[illegible].[illegible]	65.[illegible]	68.1	71.[illegible]	71.[illegible]	73.2	76.[illegible]	77.[illegible]	77.[illegible]
6[illegible]	6[illegible].6	6[illegible].[illegible]	66.2	69.2	72.2	73.[illegible]	74.[illegible]	77.[illegible]	78.[illegible]	79.[illegible]
6[illegible]	6[illegible].[illegible]	6[illegible].[illegible]	66.1	69.[illegible]	74.4	75.[illegible]	77.4	[illegible].2	81.[illegible]	82.[illegible]
6[illegible]	6[illegible].[illegible]	6[illegible].4	66.[illegible]	69.[illegible]	74.9	76.2	77.[illegible]	80.[illegible]	82.[illegible]	82.[illegible]
6[illegible]	6[illegible].1	6[illegible].[illegible]	66.[illegible]	69.[illegible]	75.7	77.0	78.[illegible]	81.[illegible]	83.4	84.[illegible]
6[illegible]	7[illegible].[illegible]	6[illegible].[illegible]	67.3	71.0	77.3	78.9	81.[illegible]	84.[illegible]	86.[illegible]	87.[illegible]
6[illegible]	7[illegible].[illegible]	6[illegible].[illegible]	67.3	71.3	77.7	79.4	1.6	84.6	86.2	87.1
6[illegible]	6[illegible].[illegible]	6[illegible].[illegible]	67.4	71.[illegible]	78.6	80.2	82.7	85.7	87.[illegible]	88.[illegible]
6[illegible]	6[illegible].[illegible]	6[illegible].[illegible]	67.6	72.0	79.1	80.9	83.[illegible]	86.[illegible]	88.[illegible]	89.[illegible]
6[illegible]	6[illegible].[illegible]	6[illegible].[illegible]	67.6	72.0	79.2	81.[illegible]	84.[illegible]	87.[illegible]	89.1	90.[illegible]
6[illegible]	6[illegible].[illegible]	6[illegible].[illegible]	67.6	72.0	79.2	81.[illegible]	84.[illegible]	87.[illegible]	89.[illegible]	90.
6[illegible]	6[illegible].[illegible]	6[illegible].[illegible]	67.6	72.0	79.2	81.6	84.6	87.2	89.2	90.[illegible]
6[illegible]	6[illegible].[illegible]	6[illegible].[illegible]	67.6	72.0	79.2	81.[illegible]	84.6	[illegible].2	[illegible].2	90.[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ER HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 84
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	24.0	24.2	24.7	24.7	24.9	25.1	25.4	25.4	25.4	25.4	25.4
	31.4	31.5	32.5	32.5	32.5	32.9	33.2	33.2	33.2	33.2	33.2
	31.5	32.0	32.3	32.3	33.0	33.1	33.4	33.4	33.4	33.4	33.4
	31.5	32.0	32.3	32.3	33.0	33.1	33.4	33.4	33.4	33.4	33.4
	31.5	32.0	32.3	32.3	33.0	33.1	33.4	33.4	33.4	33.4	33.4
	32.0	32.5	33.2	33.2	33.4	33.5	33.9	33.9	33.9	33.9	33.9
	34.4	34.9	35.6	35.6	35.9	36.0	36.3	36.3	36.3	36.3	36.3
	35.5	35.9	36.8	36.9	37.2	37.3	37.6	37.6	37.6	37.6	37.6
	41.5	42.2	43.0	43.1	43.4	43.6	43.9	43.9	43.9	43.9	43.9
	42.3	42.9	43.8	43.9	44.2	44.3	44.6	44.6	44.6	44.6	44.6
	43.9	43.4	44.3	44.4	44.7	44.9	45.2	45.2	45.2	45.2	45.2
	48.9	48.7	49.9	49.2	49.5	49.6	49.9	49.9	49.9	49.9	49.9
	52.0	52.3	53.0	53.5	53.8	53.9	54.2	54.2	54.3	54.3	54.3
	54.3	55.4	57.0	57.5	58.0	58.1	58.4	58.4	58.5	58.5	58.5
	57.5	58.7	60.8	61.5	62.2	62.4	62.7	62.7	62.8	62.9	62.9
	61.8	62.5	64.5	65.4	65.9	66.1	66.5	66.5	66.6	66.7	66.7
	64.7	65.9	68.1	69.0	69.5	69.8	70.1	70.1	70.2	70.3	70.3
	67.3	68.3	70.6	71.5	72.2	72.4	72.7	72.7	72.8	72.9	72.9
	69.1	70.5	71.9	72.9	73.6	73.7	74.0	74.0	74.1	74.2	74.2
	71.5	73.2	75.9	77.0	77.6	77.8	78.2	78.2	78.3	78.4	78.4
	73.9	74.9	77.5	78.9	79.6	79.8	80.1	80.1	80.2	80.3	80.3
	79.3	77.4	80.2	81.5	82.3	82.5	82.8	82.8	82.9	83.0	83.0
	79.3	78.0	80.8	82.0	82.8	83.0	83.3	83.3	83.4	83.5	83.5
	77.8	78.0	81.2	83.4	84.2	84.5	84.8	84.8	84.9	85.2	85.2
	77.8	78.0	84.0	85.6	86.5	86.8	87.1	87.2	87.3	87.5	87.5
	77.4	78.5	84.5	86.2	87.1	87.4	87.7	87.8	88.0	88.2	88.2
	88.2	88.7	89.7	89.4	89.5	89.8	89.2	89.4	89.5	89.7	89.7
	90.0	90.3	90.5	91.3	89.7	90.2	90.5	90.6	91.1	91.3	91.3
	91.4	94.5	90.2	90.1	92.3	92.9	93.3	93.4	94.0	94.4	94.7
	91.5	94.5	94.2	90.2	92.5	93.3	93.9	94.0	94.9	96.1	96.8
	91.5	94.5	94.2	90.2	92.5	93.3	94.0	94.1	95.5	97.1	99.4
	91.5	94.5	94.2	90.2	92.5	93.5	94.3	94.4	95.5	97.4	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 38553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	11?	3?	4?	5?	4?	4?	3?	2?	2?	1?
NO CEIL	28.5	28.?	27.?	24.?	22.6	29.4	29.6	30.1	30.1	3?
GE 20000	27.?	2?.2	31.3	33.?	33.7	34.7	34.?	35.7	35.7	3?
GE 15000	27.?	2?.2	31.?	33.?	33.7	34.7	34.?	35.7	35.7	3?
GE 1?000	27.?	2?.2	31.3	33.?	33.7	34.7	34.?	35.7	35.7	3?
GE 14000	2?.1	2?.4	32.?	33.2	33.?	34.9	35.2	35.?	35.9	3?
GE 12000	2?.7	2?.2	32.?	34.1	34.7	35.?	35.?	35.?	36.?	37
GE 10000	2?.?	3?.4	34.3	35.?	35.7	37.7	3?.?	3?.7	3?.7	3?
GE 9000	31.?	31.?	35.4	37.?	37.7	3?.?	3?.?	3?.?	3?.?	4?
GE 8000	34.?	3?.?	3?.?	41.?	42.4	43.?	44.?	44.7	44.7	4?
GE 7000	35.5	3?.1	4?.?	42.3	43.2	44.6	44.?	45.?	45.?	4?
GE 6000	3?.?	3?.?	41.?	42.4	43.?	44.3	44.?	44.2	44.2	4?
GE 5000	3?.?	3?.?	45.3	47.1	47.4	51.?	51.?	5?.?	5?.?	5?
GE 4500	42.3	4?.?	47.?	50.5	53.2	55.?	55.?	5?.?	5?.?	5?
GE 4000	44.?	45.4	51.3	5?.4	56.1	5?.4	5?.?	5?.7	5?.2	5?
GE 3500	47.?	4?.1	54.?	5?.7	59.4	61.?	61.?	62.4	63.4	6?
GE 3000	5?.?	51.1	57.?	5?.?	62.?	64.?	65.2	65.?	67.1	67
GE 2500	51.7	5?.?	5?.?	51.7	64.7	67.2	67.4	6?.?	6?.?	6?
GE 2000	5?.?	5?.3	51.7	64.2	67.?	7?.1	7?.?	7?.4	7?.?	7?
GE 1800	5?.?	5?.1	5?.?	65.4	68.7	71.?	7?.2	73.?	74.?	7?
GE 1600	5?.?	5?.?	55.2	67.7	71.2	74.1	74.7	75.?	77.1	77
GE 1200	5?.3	57.?	5?.?	63.?	71.?	75.3	75.9	77.?	7?.3	7?
GE 1000	5?.?	57.?	57.2	7?.3	74.1	77.7	7?.?	1?.4	1?.?	?
GE 900	5?.?	5?.?	57.?	7?.?	74.7	73.?	7?.?	1?.1	1?.4	??
GE 800	57.2	5?.4	5?.1	71.3	75.4	77.?	77.9	1?.?	1?.4	??
GE 700	57.3	5?.?	6?.?	72.?	7?.?	?1.4	?1.?	?4.3	?5.7	??
GE 600	57.?	5?.?	61.1	72.?	77.?	?1.2	?2.3	?5.1	?5.?	?7
GE 500	57.7	5?.?	61.?	73.?	78.4	?2.7	?4.1	?7.?	?1.4	??
GE 400	57.7	5?.?	61.?	73.7	78.6	?3.3	?4.?	?7.5	?8.?	??
GE 300	57.7	5?.?	61.?	73.7	78.7	?3.4	?4.?	?8.?	?9.?	??
GE 200	57.7	5?.?	61.?	73.7	78.7	?3.4	?4.7	?9.3	?9.?	?1
GE 100	57.7	5?.?	61.?	73.7	78.7	?3.4	?4.7	?9.3	?9.?	?1
GE 000	57.7	5?.?	61.?	73.7	78.7	?3.4	?4.7	?9.3	?9.?	?1

TOTAL NUMBER OF OBSERVATIONS 9??

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]FORD RAF UK PERIOD OF RECORD: JUL 75 - JUN 85
MONTH: JAN HOURS: 18-20

ISIBILITY IN METERS										
[illegible]	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible].4	29.6	30.1	30.1	30.3	30.6	30.6	30.8	30.8	30.9	31.2
[illegible].7	34.9	35.7	35.7	35.9	36.5	36.5	36.6	36.6	36.7	37.0
[illegible].7	34.9	35.7	35.7	35.9	36.5	36.5	36.6	36.6	36.7	37.0
[illegible].7	34.9	35.7	35.7	35.9	36.5	36.5	36.6	36.6	36.7	37.0
[illegible].0	35.2	35.9	35.9	36.1	36.7	36.7	36.8	36.8	36.9	37.2
[illegible].2	35.0	36.8	36.8	37.0	37.5	37.5	37.6	37.6	37.7	38.1
[illegible].7	38.0	38.7	38.7	38.9	39.5	39.5	39.6	39.6	39.7	40.0
[illegible].1	39.0	39.8	39.8	40.0	40.5	40.5	40.6	40.6	40.8	41.1
[illegible].4	44.0	44.7	44.7	44.9	45.5	45.5	45.6	45.6	45.7	46.0
[illegible].6	44.8	45.6	45.6	45.8	46.3	46.3	46.5	46.5	46.6	46.9
[illegible].3	46.5	46.2	46.2	46.6	47.0	47.0	47.1	47.1	47.2	47.5
[illegible].6	51.6	52.3	52.6	52.8	53.3	53.3	53.7	53.7	53.8	54.1
[illegible].3	56.5	56.6	56.9	57.1	57.6	57.7	58.1	58.1	58.2	58.5
[illegible].4	58.6	59.7	60.0	60.3	60.9	61.0	61.3	61.3	61.4	61.7
[illegible].6	61.6	62.9	63.4	63.8	64.3	64.4	64.7	64.7	64.8	65.2
[illegible].7	66.2	66.6	67.1	67.4	68.0	68.1	68.4	68.4	68.5	68.8
[illegible].2	67.4	68.9	69.4	69.7	70.2	70.3	70.5	70.6	70.8	71.1
[illegible].1	70.4	72.4	73.0	73.3	73.9	74.0	74.3	74.3	74.4	74.7
[illegible].2	72.2	73.8	74.4	74.7	75.4	75.5	75.8	75.8	75.9	76.2
[illegible].1	74.7	76.5	77.1	77.7	78.5	78.7	79.0	79.0	79.1	79.5
[illegible].3	75.9	77.6	78.3	78.9	79.7	79.9	80.2	80.2	80.3	80.6
[illegible].7	78.4	80.4	81.0	82.4	83.1	83.3	83.7	83.7	83.8	84.1
[illegible].4	79.0	81.1	82.4	83.3	84.1	84.3	84.6	84.6	84.7	85.1
[illegible].2	79.9	82.0	83.4	84.4	85.2	85.4	85.7	85.7	85.8	86.1
[illegible].4	81.6	84.3	85.7	86.7	87.6	87.8	88.2	88.2	88.3	88.6
[illegible].2	82.3	85.1	86.5	87.4	88.4	88.6	88.9	88.9	89.0	89.4
[illegible].7	84.1	87.0	88.4	89.5	90.4	90.8	91.1	91.2	91.3	91.7
[illegible].3	84.5	87.5	89.0	90.1	91.3	91.7	92.0	92.3	92.5	93.2
[illegible].4	84.5	88.0	89.6	90.6	91.9	92.5	92.8	93.1	93.9	94.5
[illegible].4	84.7	88.3	90.2	91.5	93.1	94.0	94.3	95.1	95.9	97.1
[illegible].4	84.7	88.3	90.2	91.5	93.1	94.2	94.7	95.9	97.4	99.7
[illegible].4	84.7	88.3	90.2	91.5	93.1	94.2	94.7	96.0	97.7	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS								
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	24.4	24.5	27.3	27.5	29.4	29.8	31.0	31.7	32.0
GE 20000	27.5	29.1	30.9	31.3	33.0	33.5	35.2	35.9	36.2
GE 14000	27.5	29.1	30.9	31.3	33.0	33.5	35.2	35.9	36.2
GE 15000	27.5	29.1	30.9	31.3	33.0	33.5	35.2	35.9	36.2
GE 14000	27.5	29.1	30.9	31.3	33.0	33.5	35.2	35.9	36.2
GE 12000	28.1	29.8	31.1	31.5	33.2	33.5	35.4	36.1	36.5
GE 10000	29.7	29.9	32.7	33.1	34.9	35.4	37.1	37.7	38.1
GE 9000	30.3	30.6	33.3	33.8	35.5	36.0	37.8	38.4	38.7
GE 8000	33.7	33.9	37.4	38.1	40.0	40.5	42.5	43.3	43.7
GE 7000	34.3	34.6	38.1	38.7	40.8	41.3	43.3	44.1	44.4
GE 6000	34.7	35.1	38.5	39.5	41.6	42.4	44.4	45.2	45.5
GE 5000	37.7	38.1	41.7	42.5	43.2	43.9	45.2	46.0	46.3
GE 4500	41.1	41.4	45.5	46.3	47.4	48.2	49.6	50.5	50.9
GE 4000	44.1	44.4	48.9	50.0	51.0	51.9	53.3	54.2	54.7
GE 3500	45.1	45.5	51.0	52.5	53.5	54.5	55.9	56.8	57.3
GE 3000	48.9	49.1	55.5	56.3	58.1	59.1	60.4	61.3	61.8
GE 2500	52.1	52.4	58.0	59.0	61.0	62.0	63.4	64.4	64.9
GE 2000	53.7	54.2	60.1	61.1	63.2	64.3	65.8	66.9	67.4
GE 1800	54.3	54.9	60.5	62.4	64.6	65.8	67.4	68.5	69.1
GE 1500	55.1	57.1	63.7	65.8	68.3	69.6	71.4	72.6	73.1
GE 1200	57.3	58.4	65.4	67.3	70.0	71.3	73.2	74.5	75.0
GE 1000	58.4	59.7	67.5	69.5	72.5	73.8	75.8	77.1	77.7
GE 900	58.6	60.1	67.8	70.0	73.0	74.3	76.3	77.6	78.2
GE 800	59.7	61.2	68.9	71.2	74.3	75.6	77.6	79.0	79.5
GE 700	59.9	61.5	69.5	71.7	74.8	76.1	78.0	79.4	80.0
GE 600	60.1	61.7	69.7	71.9	75.1	76.5	78.5	79.9	80.4
GE 500	60.3	61.9	70.0	72.3	75.7	77.0	79.0	80.4	80.9
GE 400	60.3	61.9	70.3	72.6	76.1	77.4	79.5	80.9	81.4
GE 300	60.3	61.9	70.3	72.7	76.3	77.6	79.7	81.1	81.6
GE 200	60.4	61.1	70.4	72.8	76.4	77.7	79.8	81.2	81.7
GE 100	60.4	61.1	70.4	72.8	76.4	77.7	79.8	81.2	81.7
GE 000	60.4	61.1	70.4	72.8	76.4	77.7	79.8	81.2	81.7

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JAN HOURS: 21-23

CEILING IN METERS / VISIBILITY IN METERS	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	30.9	31.0	31.7	32.0	32.3	32.5	32.7	32.8	32.9	33.1	33.4
	33.5	35.2	35.9	36.2	36.5	36.9	37.0	37.1	37.2	37.4	37.7
	33.5	35.2	35.9	36.2	36.5	36.9	37.0	37.1	37.2	37.4	37.7
	33.5	35.2	35.9	36.2	36.5	36.9	37.0	37.1	37.2	37.4	37.7
	33.5	35.2	35.9	36.2	36.5	36.9	37.0	37.1	37.2	37.4	37.7
	33.8	35.4	36.1	36.5	36.7	37.1	37.2	37.3	37.4	37.6	38.0
	35.4	37.0	37.7	38.1	38.3	38.7	38.8	38.9	39.0	39.2	39.6
	36.0	37.6	38.4	38.7	38.9	39.4	39.5	39.6	39.7	39.9	40.2
	42.5	43.6	43.3	43.7	43.9	44.3	44.4	44.5	44.6	44.8	45.2
	43.3	43.3	44.1	44.4	44.6	45.1	45.2	45.3	45.4	45.5	45.9
	43.4	44.4	45.2	45.5	45.7	46.1	46.2	46.3	46.5	46.7	47.0
	48.9	49.2	49.9	50.1	50.5	50.6	50.8	50.9	51.1	51.4
	52.2	52.6	53.3	54.5	54.9	55.3	55.4	55.5	55.6	55.8	56.1
	54.7	56.3	57.8	58.7	58.9	59.4	59.5	59.6	59.7	59.9	60.2
	49.6	51.9	50.4	61.3	61.5	61.9	62.0	62.2	62.3	62.5	62.8
	61.4	63.9	65.5	66.3	66.5	67.0	67.1	67.2	67.3	67.5	67.8
	66.3	66.7	71.4	68.5	69.7	70.1	70.2	70.3	70.4	70.6	71.0
	67.3	69.3	71.4	72.5	72.7	73.1	73.2	73.3	73.4	73.7	74.0
	69.0	70.4	72.0	73.1	73.3	73.8	73.9	74.0	74.1	74.3	74.6
	71.9	74.4	76.3	77.7	78.1	78.6	78.7	78.8	78.9	79.1	79.5
	76.5	77.9	78.9	80.3	80.6	81.2	81.3	81.4	81.5	81.7	82.0
	76.7	79.6	81.5	83.3	83.7	84.2	84.3	84.4	84.5	84.7	85.1
	77.2	80.1	82.0	84.0	84.3	84.8	84.9	85.1	85.2	85.4	85.7
	77.6	80.9	82.8	84.9	85.3	85.8	85.9	86.0	86.1	86.3	86.7
	78.0	82.0	84.4	86.8	87.1	87.6	87.7	87.8	88.0	88.2	88.5
	79.5	82.5	84.8	87.3	87.8	88.4	88.5	88.6	88.7	88.9	89.2
	89.9	89.2	89.5	89.4	90.1	90.5	90.8	90.9	91.0	91.2	91.5
	91.2	92.5	92.3	92.9	90.6	91.2	91.4	91.5	91.9	92.2	92.8
	91.4	93.2	93.1	90.9	91.7	92.3	92.5	92.7	93.5	94.0	94.7
	91.5	93.4	93.5	91.9	93.0	93.8	94.3	94.5	95.6	96.1	97.5
	91.5	93.4	93.5	91.9	93.0	94.0	94.5	94.7	95.8	97.4	100.0
	91.5	93.4	93.5	91.9	93.0	94.0	94.5	94.7	95.8	97.4	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVAT

STATION NUMBER: 03583 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS								
	≥ 11100	≥ 7400	≥ 5000	≥ 3700	≥ 2500	≥ 1900	≥ 1500	≥ 1200	≥ 1000
NO CEIL	22.9	23.2	25.0	25.4	27.5	29.0	29.5	29.9	29.3
≥ 22000	26.9	27.2	30.3	31.2	32.6	33.1	33.5	34.4	34.7
≥ 14000	27.0	27.2	30.4	31.2	32.7	33.2	33.9	34.5	34.8
≥ 10000	27.0	27.2	30.4	31.2	32.7	33.2	33.9	34.5	34.8
≥ 8000	27.1	27.3	30.4	31.3	32.7	33.2	33.9	34.5	34.9
≥ 6500	27.3	27.9	31.0	31.9	33.3	33.9	34.5	35.1	35.4
≥ 5000	29.1	29.1	32.5	33.5	35.0	35.6	36.2	36.9	37.1
≥ 4500	29.4	29.7	33.2	34.3	35.9	36.3	37.0	37.6	37.9
≥ 4000	32.1	32.4	36.3	37.5	39.6	40.3	41.2	41.9	42.1
≥ 3500	32.5	32.9	36.8	38.1	40.2	40.9	41.8	42.4	42.7
≥ 3000	32.9	33.3	37.3	38.5	40.8	41.5	42.4	43.0	43.4
≥ 2500	36.2	36.5	40.9	41.4	44.1	44.9	45.9	46.7	47.2
≥ 2200	37.	37.2	42.0	44.0	47.6	48.5	49.5	50.5	51.2
≥ 2000	41.0	41.5	45.9	48.4	51.4	52.5	53.5	54.1	54.7
≥ 1800	43.3	43.7	48.4	51.3	54.5	55.7	56.9	57.3	57.9
≥ 1600	44.3	44.8	49.9	52.9	56.4	57.7	58.9	59.4	60.2
≥ 1400	47.1	47.6	53.1	56.1	59.2	61.1	62.4	63.7	64.3
≥ 1300	50.1	50.7	56.3	59.5	62.9	64.2	65.5	67.0	67.7
≥ 1200	51.0	51.8	57.5	60.8	64.2	65.8	66.4	67.9	68.6
≥ 1100	52.5	53.3	59.0	62.4	65.8	67.2	68.7	70.3	71.2
≥ 1000	53.5	54.2	60.2	63.6	67.1	68.7	70.3	71.8	72.7
≥ 900	54.5	55.2	61.3	64.9	68.4	70.1	71.7	73.3	74.2
≥ 800	54.9	55.7	61.9	65.5	69.1	70.9	72.6	74.2	75.1
≥ 700	55.1	55.9	62.1	65.8	69.4	71.2	72.9	74.5	75.4
≥ 600	55.5	56.3	62.5	66.1	69.9	71.7	73.4	75.0	75.9
≥ 500	55.8	56.7	63.0	66.6	70.4	72.2	73.9	75.5	76.4
≥ 450	56.0	56.9	63.2	66.8	70.6	72.4	74.1	75.8	76.7
≥ 400	56.1	57.0	63.3	67.1	70.9	72.7	74.4	76.1	77.0
≥ 350	56.2	57.1	63.4	67.2	71.0	72.8	74.5	76.2	77.1
≥ 300	56.2	57.1	63.4	67.2	71.0	72.8	74.5	76.2	77.1
≥ 250	56.2	57.1	63.4	67.2	71.0	72.8	74.5	76.2	77.1
≥ 200	56.2	57.1	63.4	67.2	71.0	72.8	74.5	76.2	77.1
≥ 150	56.2	57.1	63.4	67.2	71.0	72.8	74.5	76.2	77.1
≥ 100	56.2	57.1	63.4	67.2	71.0	72.8	74.5	76.2	77.1
< 100	56.2	57.1	63.4	67.2	71.0	72.8	74.5	76.2	77.1

TOTAL NUMBER OF OBSERVATIONS 7434

ERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	28.0	28.6	29.0	29.3	29.4	29.6	29.8	29.9	30.0	30.1	30.4
[illegible]	33.1	33.6	34.4	34.7	34.9	35.1	35.3	35.5	35.6	35.6	35.9
[illegible]	33.2	33.9	34.5	34.6	34.9	35.2	35.4	35.5	35.6	35.7	36.0
[illegible]	33.2	33.9	34.5	34.8	34.9	35.2	35.4	35.5	35.6	35.7	36.0
[illegible]	33.2	33.9	34.5	34.8	35.0	35.2	35.4	35.6	35.6	35.7	36.0
[illegible]	33.9	34.5	35.1	35.4	35.6	35.8	36.0	36.2	36.2	36.4	36.6
[illegible]	35.6	36.2	36.9	37.1	37.3	37.6	37.8	37.9	38.0	38.2	38.4
[illegible]	36.3	37.0	37.6	37.9	38.2	38.4	38.6	38.8	38.9	39.0	39.3
[illegible]	40.3	41.2	41.9	42.1	42.4	42.6	42.8	43.0	43.1	43.2	43.5
[illegible]	40.9	41.8	42.4	42.7	43.0	43.2	43.5	43.6	43.7	43.8	44.1
[illegible]	41.6	42.4	43.0	43.4	43.6	43.9	44.1	44.2	44.3	44.4	44.7
[illegible]	44.9	45.9	46.7	47.2	47.4	47.7	47.9	48.1	48.2	48.4	48.6
[illegible]	49.5	49.5	50.5	51.0	51.3	51.6	51.8	52.0	52.1	52.3	52.5
[illegible]	52.6	53.5	55.1	55.7	56.0	56.4	56.7	56.8	56.9	57.1	57.4
[illegible]	55.7	56.9	58.3	59.0	59.4	59.8	60.1	60.2	60.3	60.5	60.8
[illegible]	59.7	60.9	62.4	63.2	63.6	64.0	64.3	64.4	64.6	64.7	65.0
[illegible]	62.4	63.7	65.3	66.2	66.6	67.0	67.3	67.4	67.5	67.7	68.0
[illegible]	66.5	67.3	68.7	69.7	70.1	70.6	70.9	71.0	71.1	71.3	71.6
[illegible]	66.4	67.9	69.6	70.6	71.0	71.5	71.8	72.0	72.1	72.3	72.5
[illegible]	69.7	71.3	73.2	74.3	74.8	75.4	75.7	75.9	76.0	76.2	76.5
[illegible]	71.7	73.3	75.2	76.4	76.9	77.5	77.8	78.0	78.1	78.3	78.6
[illegible]	74.1	75.9	77.8	79.2	79.8	80.3	80.7	80.9	81.1	81.3	81.6
[illegible]	74.9	75.7	77.7	81.1	80.7	81.3	81.6	81.8	82.0	82.2	82.5
[illegible]	75.1	77.7	79.8	81.4	82.0	82.7	83.0	83.2	83.5	83.7	84.0
[illegible]	77.2	79.2	81.7	83.3	84.0	84.7	85.0	85.3	85.5	85.9	86.2
[illegible]	78.0	80.0	82.6	84.3	85.0	85.8	86.1	86.5	86.8	87.0	87.3
[illegible]	74.4	81.5	84.5	86.4	87.3	88.2	88.6	88.9	89.3	89.6	89.9
[illegible]	81.1	82.4	85.5	87.5	88.6	89.6	90.1	90.5	91.0	91.4	91.9
[illegible]	80.4	82.9	85.4	87.6	89.9	91.1	91.6	92.1	92.8	93.3	94.0
[illegible]	80.5	83.0	86.7	89.2	90.6	92.0	92.7	93.3	94.4	95.4	96.9
[illegible]	80.5	83.1	86.7	89.2	90.7	92.1	92.9	93.6	94.9	96.6	99.6
[illegible]	80.5	83.1	86.7	89.2	90.7	92.1	92.9	93.7	95.0	96.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	0- 112	0- 32	0- 80	0- 63	0- 48	0- 40	0- 32	0- 24	0- 20	
NO CEIL	20.3	22.4	25.2	27.4	31.0	31.7	32.9	33.5	34.1	3
0- 22000	22.3	22.9	28.1	30.7	34.0	34.7	35.3	35.4	37.1	3
0- 10000	22.3	22.9	28.1	30.7	34.0	34.7	35.3	35.4	37.1	3
0- 6000	22.3	22.9	28.1	30.7	34.0	34.7	35.3	35.4	37.1	3
0- 4800	22.3	22.9	28.1	30.7	34.0	34.7	35.3	35.4	37.1	3
0- 3000	22.4	23.0	28.2	30.9	34.1	34.8	35.0	35.5	37.3	3
0- 2500	23.3	24.4	29.5	32.	35.5	36.2	37.5	38.2	39.3	3
0- 2000	24.1	24.4	30.3	32.5	35.8	36.5	37.9	38.5	39.4	3
0- 1500	25.5	25.1	31.4	34.0	37.7	38.4	39.7	40.4	41.5	4
0- 1000	26.3	26.9	32.3	34.9	38.7	39.4	40.9	41.5	42.	4
0- 800	26.5	27.1	32.7	35.3	39.3	40.0	41.5	42.2	43.4	4
0- 600	28.5	29.1	35.3	37.5	42.0	42.7	44.3	45.0	46.2	4
0- 450	31.4	32.1	38.3	40.1	45.5	47.5	49.2	50.0	51.2	5
0- 400	34.1	34.7	42.3	45.4	50.4	51.3	53.1	54.1	55.3	5
0- 350	36.1	37.4	45.2	47.2	53.4	54.4	56.1	57.5	58.7	6
0- 300	40.1	40.7	48.3	52.0	57.4	58.5	60.3	61.1	63.3	6
0- 250	41.4	42.3	50.5	53.7	59.7	60.7	62.5	64.0	65.3	6
0- 200	42.7	43.4	52.4	55.3	62.3	63.3	65.3	66.9	68.2	7
0- 150	42.7	43.4	52.5	55.3	62.3	63.3	65.3	66.9	68.2	7
0- 100	44.5	45.2	55.0	58.5	65.5	66.5	68.5	71.3	72.5	7
0- 50	45.2	45.9	56.3	60.5	68.0	69.3	73.1	75.5	76.9	7
0- 0	45.9	47.2	57.9	62.5	71.2	72.5	77.3	79.5	81.9	

CEILING IN FEET	VISIBILITY IN METERS									
	0- 112	0- 32	0- 80	0- 63	0- 48	0- 40	0- 32	0- 24	0- 20	
NO CEIL	46.9	47.2	58.1	62.7	71.5	72.9	77.2	79.4	81.1	
0- 22000	47.1	47.9	60.0	64.7	74.3	75.9	80.3	83.5	84.9	
0- 10000	47.5	48.3	60.7	65.5	75.5	77.0	82.4	85.5	86.9	
0- 6000	47.5	48.3	61.0	65.7	75.7	77.2	82.7	85.7	87.1	
0- 4800	47.5	48.3	61.2	65.8	76.3	77.8	83.4	87.4	89.	
0- 3000	47.5	48.3	61.2	65.8	76.3	77.8	84.1	88.1	90.0	
0- 2500	47.5	48.6	61.3	66.4	77.0	78.5	84.7	88.3	90.7	
0- 2000	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 1500	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 1000	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 800	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 600	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 450	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 400	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 350	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 300	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 250	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 200	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 150	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 100	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 50	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
0- 0	47.5	48.6	61.3	66.4	77.0	78.5	84.7	89.0	90.9	

TOTAL NUMBER OF OBSERVATIONS 847

CEILING

ENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FOR MEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 84
MONTH: FEB HOURS: 00-02

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
31.7	32.9	33.5	34.1	34.4	34.4	34.7	34.8	34.9	34.9	34.9
34.7	35.8	36.4	37.1	37.6	37.6	38.0	38.1	38.2	38.2	38.2
34.7	35.8	36.4	37.1	37.6	37.6	38.0	38.1	38.2	38.2	38.2
34.7	35.8	36.4	37.1	37.6	37.6	38.0	38.1	38.2	38.2	38.2
34.7	35.8	36.4	37.1	37.6	37.6	38.0	38.1	38.2	38.2	38.2
34.8	36.0	36.6	37.3	37.7	37.7	38.1	38.2	38.3	38.3	38.3
38.2	39.5	40.2	40.9	41.5	41.5	41.9	42.0	42.1	42.1	42.1
38.5	39.9	40.5	41.4	42.0	42.0	42.4	42.5	42.6	42.6	42.6
38.6	40.0	40.8	41.6	42.2	42.2	42.6	42.7	42.8	42.8	42.8
39.4	40.9	41.6	42.5	43.2	43.2	43.7	43.9	44.0	44.0	44.0
40.0	41.5	42.2	43.4	44.0	44.0	44.3	44.5	44.6	44.6	44.6
42.7	44.3	45.0	46.2	46.7	46.7	47.2	47.3	47.4	47.4	47.4
47.5	49.2	50.0	51.2	51.7	51.7	52.1	52.2	52.5	52.5	52.5
51.3	53.1	54.1	55.3	55.8	55.8	56.3	56.4	56.5	56.7	56.7
54.4	56.1	57.5	58.7	59.2	59.2	59.7	59.8	60.0	60.1	60.1
58.5	60.3	61.5	63.0	63.4	63.4	63.9	64.0	64.3	64.4	64.4
60.7	62.5	64.0	65.3	65.8	65.8	66.3	66.4	66.5	66.7	66.7
63.3	65.3	66.9	68.2	69.0	69.0	69.5	69.6	69.8	69.9	69.9
63.3	65.9	67.5	68.8	69.6	69.6	70.0	70.2	70.4	70.5	70.5
69.5	69.5	71.3	72.6	73.5	73.5	74.1	74.2	74.4	74.5	74.5
67.3	73.1	75.5	76.9	77.1	78.1	78.7	78.8	79.0	79.1	79.1
72.5	77.0	79.5	80.9	82.7	82.7	83.3	83.4	83.6	83.7	83.7
72.9	77.2	79.8	81.1	82.9	82.9	83.5	83.6	83.8	84.0	84.0
75.8	80.3	83.6	84.9	86.7	86.7	87.3	87.4	87.5	87.7	87.7
77.0	82.4	85.6	86.8	88.6	88.8	89.4	89.5	89.7	89.9	89.9
77.2	82.7	85.7	87.1	89.0	89.3	90.0	90.1	90.3	90.4	90.4
77.5	83.4	87.4	88.8	90.7	91.2	91.9	92.0	92.2	92.3	92.3
78.4	84.1	88.1	90.0	92.0	92.7	93.4	93.5	93.8	93.9	93.9
78.5	84.7	88.8	90.7	92.8	93.8	94.5	94.7	95.2	95.9	95.9
78.5	84.7	89.0	90.9	93.0	94.3	95.5	95.8	96.2	96.9	97.8
78.5	84.7	89.0	90.9	93.0	94.9	95.6	95.9	96.6	97.9	99.9
78.5	84.7	89.0	90.9	93.0	94.9	95.6	95.9	96.6	97.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE IN
FROM HOURLY OBSERVATI

STATION NUMBER: 36693 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	0	1	2	3	4	5	6	7	8	
	112	70	80	50	48	40	32	24	20	1
NO CEIL	13.6	15.4	23.3	25.2	27.6	28.2	29.1	29.9	30.6	3
22000	21.6	24.1	25.0	27.0	29.4	30.2	31.2	32.0	32.7	3
17000	21.6	24.1	25.0	27.0	29.4	30.2	31.2	32.0	32.7	3
14000	21.6	24.	25.0	27.0	29.4	30.2	31.2	32.0	32.7	3
12000	20.5	23.1	25.2	27.2	29.7	30.4	31.4	32.3	33.0	3
10000	20.5	23.1	25.2	27.2	29.7	30.4	31.4	32.3	33.0	3
9000	22.3	25.3	26.5	28.5	31.0	31.7	32.7	33.5	34.4	3
8000	22.7	25.7	27.2	29.2	31.7	32.4	33.5	34.3	35.1	3
7000	23.3	26.1	27.5	29.5	32.2	33.0	34.2	35.1	36.0	3
6000	24.4	26.9	28.1	31.1	33.7	34.4	35.7	36.5	37.3	3
5000	25.3	28.1	30.2	32.9	35.3	36.7	37.9	38.7	39.6	4
4500	26.7	29.2	31.9	34.2	37.5	38.4	39.8	40.7	41.6	4
4000	29.1	32.4	35.3	37.7	41.1	41.9	43.3	44.4	45.3	4
3500	31.2	34.5	37.9	40.3	43.7	44.6	46.2	47.3	48.2	4
3000	32.9	36.3	39.8	41.6	45.1	46.0	47.7	48.8	49.7	5
2500	35.9	39.7	44.3	46.2	50.6	51.5	53.2	54.4	55.3	5
2200	38.	42.1	46.8	49.0	53.2	54.1	55.9	57.0	58.0	5
2000	39.7	43.9	48.1	50.3	55.3	56.2	57.9	59.1	60.1	6
1800	40.7	45.0	49.2	52.0	57.3	58.2	59.9	61.2	62.1	6
1600	41.8	46.2	50.7	54.0	59.2	60.1	61.9	63.2	64.2	6
1400	43.1	47.7	52.4	55.8	61.4	62.3	64.2	65.5	66.5	6
1200	44.7	49.4	54.2	57.8	63.6	64.5	66.5	67.9	68.9	7
1000	45.1	49.8	54.6	58.3	64.1	65.0	67.0	68.4	69.4	7
900	45.5	50.3	55.3	59.0	64.8	65.7	67.8	69.2	70.2	7
800	45.7	50.5	55.5	59.3	65.2	66.1	68.2	69.6	70.6	7
700	46.1	50.9	56.0	59.8	65.7	66.6	68.7	70.1	71.1	7
600	46.4	51.2	56.3	60.2	66.1	67.0	69.1	70.5	71.5	7
500	46.4	51.2	56.3	60.2	66.1	67.0	69.1	70.5	71.5	7

TOTAL NUMBER OF OBSERVATIONS 940

ILE

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] BEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: FEB HOURS: 03-05

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	[illegible].2	29.1	[illegible].9	30.6	30.9	31.0	31.0	31.1	31.4	32.3	32.4
	31.2	31.2	32.0	32.7	33.1	33.2	33.2	33.3	33.7	34.9	35.0
	31.2	31.2	32.0	32.7	33.1	33.2	33.2	33.3	33.7	34.9	35.0
	31.2	31.2	32.0	32.7	33.1	33.2	33.2	33.3	33.7	34.9	35.0
	31.4	31.4	32.3	33.0	33.3	33.5	33.5	33.6	33.9	35.1	35.2
	31.4	31.4	32.3	33.0	33.3	33.5	33.5	33.6	33.9	35.1	35.2
	31.7	32.7	33.6	34.4	34.7	34.9	34.9	35.0	35.3	35.5	35.5
	32.4	33.5	34.3	35.1	35.5	35.6	35.6	35.7	36.0	37.2	37.3
	33.9	35.0	35.8	36.5	37.2	37.2	37.2	37.3	37.7	38.9	39.0
	34.4	35.7	36.5	37.3	37.7	37.9	37.9	38.0	38.4	39.5	39.7
	35.7	37.0	37.8	38.6	39.0	39.2	39.2	39.3	39.7	40.9	41.0
	38.4	39.9	40.8	41.5	42.2	42.4	42.4	42.5	42.9	44.1	44.2
	41.3	43.0	44.4	45.5	45.9	46.1	46.1	46.2	46.5	47.7	47.8
	44.5	46.3	47.3	48.5	48.9	49.1	49.1	49.2	49.6	50.8	50.9
	45.9	47.7	49.2	50.4	50.8	51.0	51.0	51.1	51.5	52.7	52.8
	51.5	53.2	54.8	55.9	56.3	56.5	56.5	56.7	57.0	58.2	58.3
	54.1	56.5	57.5	58.9	59.2	59.5	59.5	59.6	60.0	61.1	61.2
	53.7	55.9	56.5	58.2	58.4	58.6	58.6	58.7	59.1	60.3	60.4
	53.9	56.3	57.2	58.4	58.7	58.9	58.9	59.0	59.4	60.5	60.7
	58.1	60.7	61.5	63.0	63.3	63.7	63.7	63.9	70.2	71.4	71.5
	65.9	68.3	71.3	72.7	73.4	73.6	73.7	73.9	74.2	75.4	75.5
	67.4	70.5	74.7	76.1	76.9	77.5	77.6	77.7	78.1	79.3	79.4
	67.8	73.4	76.6	78.0	78.8	79.5	79.8	79.9	80.3	81.7	81.8
	71.0	75.7	78.2	79.9	80.8	81.5	82.0	82.1	82.4	83.6	83.7
	72.8	77.3	80.0	81.6	82.6	83.4	83.9	84.0	84.3	85.5	85.6
	73.1	77.6	80.7	82.3	83.3	84.2	84.7	84.9	85.3	86.5	86.6
	74.3	78.4	82.7	84.3	85.6	86.7	87.2	87.4	87.8	88.9	89.0
	75.1	80.3	84.5	86.3	87.6	89.0	89.5	89.8	90.1	91.3	91.4
	75.4	80.6	84.9	86.9	89.2	91.0	91.5	91.8	92.1	93.6	93.8
	75.5	81.0	85.4	87.4	89.9	91.9	92.5	93.1	93.6	95.2	96.0
	75.7	81.2	85.5	87.5	90.0	92.0	92.9	93.5	94.7	96.5	99.4
	75.7	81.2	85.5	87.5	90.0	92.0	92.9	93.5	94.7	96.5	100.0

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSERVATI

STATION NUMBER: 72254 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	11	2	3	4	5	6	7	8	9	10
00 CIL	15.7	15.7	19.3	19.7	21.9	22.9	23.4	23.9	24.3	2
01 20000	17.4	17.	20.3	21.3	24.5	25.4	25.3	27.1	27.7	2
02 15000	17.4	17.4	20.3	21.3	24.5	25.4	25.3	27.1	27.7	2
03 10000	17.4	17.	20.3	21.3	24.5	25.4	25.3	27.1	27.7	2
04 7000	17.4	17.4	21.3	21.3	24.5	25.5	25.4	27.2	27.8	2
05 5000	17.4	17.4	21.4	21.4	24.5	25.5	25.4	27.2	27.8	2
06 3500	18.4	18.7	22.1	23.1	26.2	26.9	27.7	28.5	29.3	3
07 2500	18.4	18.7	22.5	23.4	26.4	27.3	28.2	29.2	29.9	3
08 2000	19.4	19.7	23.5	24.4	27.3	28.3	29.2	30.1	30.9	3
09 1500	20.1	20.4	24.7	25.7	28.9	29.9	30.9	31.7	32.5	3
10 1000	21.2	21.5	24.7	25.9	29.1	30.3	31.1	31.9	32.8	3
11 800	22.4	22.8	27.2	28.3	32.2	33.3	34.2	35.2	36.1	3
12 600	24.2	24.6	29.1	30.4	34.7	35.9	36.7	37.7	38.6	3
13 500	25.2	25.6	30.3	31.6	36.	37.3	38.2	39.2	40.1	4
14 400	26.2	26.6	31.6	33.0	37.7	39.0	40.0	41.0	41.9	4
15 300	27.4	27.8	33.1	34.5	39.4	40.8	41.8	42.9	43.8	4
16 200	28.5	29.0	34.5	36.0	41.2	42.7	43.7	44.8	45.8	4
17 150	29.1	29.6	35.2	36.7	41.9	43.4	44.5	45.6	46.6	4
18 100	29.6	30.1	35.8	37.3	42.6	44.1	45.2	46.3	47.3	4
19 50	29.6	30.1	35.8	37.3	42.6	44.1	45.2	46.3	47.3	4
20 0	29.6	30.1	35.8	37.3	42.6	44.1	45.2	46.3	47.3	4

TOTAL NUMBER OF OBSERVATIONS 849

[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUL [illegible]
MONTH: FE[illegible] HOURS: [illegible]

VISIBILITY IN METERS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 15	[illegible] 12	[illegible] 10	[illegible]	[illegible]	[illegible] 04	[illegible] 00
[illegible]	[illegible]	23.?	[illegible]	[illegible]	[illegible]	25.7	[illegible]	[illegible]	[illegible]	27.3
[illegible]	[illegible]	27.1	[illegible]	[illegible]	29.1	29.2	29.?	29.?	30.3	31.?
[illegible]	[illegible]	27.2	[illegible]	[illegible]	29.1	29.2	29.5	29.?	30.3	31.?
[illegible]	[illegible]	27.1	[illegible]	[illegible]	29.1	29.?	29.?	29.?	30.3	31.?
[illegible]	[illegible]	27.?	[illegible]	[illegible]	[illegible]	29.3	29.7	30.?	30.4	31.1
[illegible]	[illegible]	27.?	[illegible]	[illegible]	[illegible]	29.3	29.7	30.?	30.4	31.1
[illegible]	27.7	[illegible]	[illegible]	[illegible]	[illegible]	30.7	31.1	31.4	31.?	32.?
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.1	31.?	31.?	31.?	3?.3	33.?
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33.1	33.3	33.7	34.?	34.?	35.2
[illegible]	[illegible]	31.	[illegible]	[illegible]	3?.7	33.?	34.3	34.?	35.1	35.?
[illegible]	31.1	31.?	[illegible]	[illegible]	34.?	34.3	34.?	35.?	35.?	36.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39.3	[illegible]	40.?
[illegible]	[illegible]	41.?	[illegible]	[illegible]	43.7	[illegible]	44.?	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	?7.7	[illegible]	47.?	47.?	47.?	[illegible]	[illegible]	49.2
[illegible]	[illegible]	[illegible]	47.?	[illegible]	[illegible]	[illegible]	[illegible]	50.3	50.?	51.?
[illegible]	[illegible]	?.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57.5
[illegible]	[illegible]	[illegible]	[illegible]	?.7	?.1	[illegible]	?.7	?.1	[illegible]	?.3
[illegible]	[illegible]	[illegible]	?1.1	?2.4	[illegible]	[illegible]	?3.4	[illegible]	?.3	[illegible]
[illegible]	[illegible]	[illegible]	?1.7	[illegible]	?.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	?.?	?.7	[illegible]	[illegible]	[illegible]	[illegible]	67.?	67.?	?.7
[illegible]	[illegible]	?7.?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.?	71.?	72.?
[illegible]	[illegible]	[illegible]	71.1	[illegible]	73.	73.7	74.1	[illegible]	75.?	76.1
[illegible]	[illegible]	[illegible]	[illegible]	73.?	[illegible]	7?.4	7?.7	[illegible]	76.7	77.7
[illegible]	?.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	7?.?	[illegible]	77.?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.?
[illegible]	7?.?	77.?	7?.?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	?4.7	?.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	?.4	[illegible]	[illegible]	[illegible]	?7.4	?7.?	[illegible]	[illegible]	?.1
[illegible]	[illegible]	[illegible]	[illegible]	?.4	[illegible]	[illegible]	[illegible]	?0.5	[illegible]	?2.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	?.6	[illegible]	[illegible]	?5.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	?4.?	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100.?

OPERATING LOCATION "A"
USAFETAC, [illegible] NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	[illegible]	[illegible]	[illegible]	[illegible]	14.1	13.7	[illegible]	[illegible]	[illegible]	21
[illegible]	[illegible]	[illegible]	[illegible]	21.2	[illegible]	[illegible]	[illegible]	[illegible]	27.4	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	21.4	[illegible]	24.7	[illegible]	27.4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	21.4	[illegible]	24.7	[illegible]	27.4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	21.7	[illegible]	[illegible]	[illegible]	27.7	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	17.1	17.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	23.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.4	33.3	33.7	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51.1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	44.3	47.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.7	[illegible]	[illegible]	[illegible]	71
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.1	[illegible]	[illegible]	71.	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65.2	70.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.1	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL [illegible] OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 89
[illegible] MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	18.7	19.6	20.6	20.7	21.8	22.0	22.3	22.3	22.3	22.6	23.0
[illegible]	24.6	25.7	27.1	27.4	28.6	28.7	29.0	29.0	29.0	29.4	30.0
[illegible]	24.7	25.9	27.4	27.4	28.9	29.2	29.4	29.4	29.4	29.9	30.5
[illegible]	24.7	25.9	27.4	27.6	28.9	29.2	29.4	29.4	29.4	29.9	30.5
[illegible]	25.0	26.1	27.7	28.0	29.1	29.4	29.7	29.7	29.7	30.2	30.7
[illegible]	25.6	26.7	28.3	28.5	29.7	30.0	30.3	30.3	30.3	30.7	31.3
[illegible]	26.6	27.9	29.4	29.6	30.9	31.3	31.6	31.6	31.6	32.0	32.6
[illegible]	27.0	28.3	29.8	30.3	31.3	31.8	32.0	32.0	32.3	32.6	33.1
[illegible]	29.0	30.3	32.0	32.4	33.6	33.9	34.2	34.2	34.2	35.0	35.5
[illegible]	30.2	31.4	33.3	33.7	34.7	35.2	35.5	35.5	35.5	36.3	36.9
[illegible]	30.7	32.2	34.3	34.4	35.5	35.9	36.2	36.2	36.2	37.0	37.5
[illegible]	34.0	35.3	36.7	37.1	38.4	40.3	40.6	40.6	40.6	41.3	41.9
[illegible]	37.5	43.4	45.0	46.7	45.0	45.5	45.8	45.8	45.8	46.5	47.3
[illegible]	42.4	44.8	47.1	47.7	49.2	49.8	50.1	50.1	50.3	51.1	51.7
[illegible]	45.5	47.8	50.3	51.1	52.5	53.4	53.9	53.6	53.9	54.7	55.2
[illegible]	49.5	51.8	54.2	55.0	57.0	57.8	58.1	58.1	58.3	59.1	59.7
[illegible]	51.9	54.2	57.2	58.1	59.5	60.3	60.6	60.7	60.9	61.6	62.2
[illegible]	54.9	57.2	60.3	61.2	63.0	63.8	64.1	64.1	64.3	65.1	65.7
[illegible]	56.3	59.0	61.1	62.1	64.0	64.8	65.0	65.0	65.3	66.1	66.7
[illegible]	58.2	60.9	64.1	65.0	66.9	67.7	68.1	68.3	68.6	69.4	70.0
[illegible]	61.7	65.1	68.4	69.5	71.5	72.4	72.7	72.9	73.1	74.0	74.6
[illegible]	63.7	67.2	71.	74.0	75.8	76.2	76.4	76.7	76.9	77.7	78.3
[illegible]	65.2	69.2	73.3	74.4	76.7	77.9	78.1	78.3	78.6	79.4	80.0
[illegible]	65.7	71.4	75.6	77.3	80.3	81.3	81.7	82.1	82.6	83.4	84.0
[illegible]	67.7	72.7	77.3	78.9	81.7	83.0	83.5	84.0	84.5	85.3	85.9
[illegible]	68.7	73.7	78.3	80.1	82.9	84.2	84.7	85.2	85.6	86.5	87.0
[illegible]	73.3	78.4	83.3	85.4	88.7	90.4	91.1	91.6	89.3	90.1	90.7
[illegible]	73.1	78.3	83.6	85.8	88.3	90.2	90.9	91.6	90.3	91.2	91.9
[illegible]	73.1	78.3	83.6	85.8	88.2	90.0	90.8	91.5	91.3	92.2	93.5
[illegible]	73.1	78.5	83.9	86.2	88.7	90.2	90.8	91.2	92.5	93.6	94.7
[illegible]	73.1	78.5	83.9	86.2	88.7	90.2	90.8	91.2	92.8	94.7	99.3
[illegible]	73.1	78.5	83.9	86.2	88.7	90.2	90.8	91.2	92.8	94.8	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE BE
FROM HOURLY OBSERVATIO

STATION NUMBER: 3[illegible]53 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1[illegible]	[illegible]	[illegible]	5[illegible]	4[illegible]	40	32	24	20	1[illegible]
[illegible] CEIL	14.4	14.4	17.4	17.9	19.1	19.4	19.9	20.4	20.4	2[illegible]
[illegible] [illegible]	21.3	[illegible].3	24.3	25.2	27.6	28.5	29.0	29.5	29.7	3[illegible]
[illegible] [illegible]	20.7	23.7	24.7	25.7	28.0	29.0	29.4	30.0	30.2	3[illegible]
[illegible] [illegible]	[illegible].7	[illegible].7	24.7	25.7	28.0	29.0	29.4	30.0	30.2	3[illegible]
[illegible] [illegible]	20.7	[illegible].7	[illegible].7	25.7	28.0	29.0	29.4	30.0	30.2	3[illegible]
[illegible] [illegible]	21.4	21.4	24.4	25.5	28.0	29.0	29.5	30.0	31.0	31
[illegible] [illegible]	21.9	21.9	24.8	27.1	29.5	30.1	31.2	31.5	31.7	32
[illegible] [illegible]	22.1	22.1	24.4	27.4	30.2	31.1	31.5	32.2	32.5	33
[illegible] [illegible]	24.7	24.7	27.3	30.3	33.3	33.9	34.4	35.1	35.2	36
[illegible] [illegible]	25.7	25.7	28.8	31.9	34.4	35.3	35.7	36.5	36.7	37
[illegible] [illegible]	26.1	26.1	29.4	31.4	35.0	35.9	36.5	37.7	37.9	3[illegible]
[illegible] [illegible]	27.3	27.3	30.2	33.5	37.7	38.4	39.3	40.2	41.1	41
[illegible] [illegible]	31.7	31.9	35.3	37.3	42.5	43.2	43.7	44.5	45.0	45
[illegible] [illegible]	34.2	34.4	37.5	40.4	45.1	45.1	46.3	47.3	48.2	48
[illegible] [illegible]	37.0	37.2	40.7	43.7	48.3	51.2	51.9	53.2	54.7	5[illegible]
[illegible] [illegible]	41.3	42.3	46.1	51.4	55.5	57.3	58.5	59.4	61.2	62
[illegible] [illegible]	47.1	47.3	50.3	56.0	60.4	61.7	63.4	64.3	65.4	66
[illegible] [illegible]	47.3	47.1	50.2	57.0	63.3	66.1	68.1	69.7	70.9	72
[illegible] [illegible]	49.2	47.3	51.3	59.1	64.3	69.1	71.4	[illegible]	75.4	77
[illegible] [illegible]	47.3	48.1	51.3	59.2	67.3	69.4	72.4	73.1	73.7	74
[illegible] [illegible]	47.3	48.1	52.4	62.5	71.3	73.5	75.5	76.1	77.3	78
[illegible] [illegible]	49.1	50.1	54.7	63.2	72.3	75.4	77.3	78.2	79.3	80
[illegible] [illegible]	49.1	50.1	53.7	63.3	72.5	75.7	77.7	78.6	80.1	81
[illegible] [illegible]	49.7	50.4	53.5	64.2	73.5	77.0	78.2	79.7	81.4	82
[illegible] [illegible]	49.	50.1	53.7	64.4	74.4	[illegible].2	81.3	82.5	83.5	84
[illegible] [illegible]	49.1	50.1	53.7	64.4	74.[illegible]	1[illegible].3	82.3	83.6	84.[illegible]	85
[illegible] [illegible]	49.2	50.3	54.3	64.5	75.3	78.1	80.1	[illegible].7	86.[illegible]	87
[illegible] [illegible]	49.2	50.4	54.3	64.5	75.7	78.3	80.4	82.2	84.4	85
[illegible] [illegible]	49.2	50.3	54.3	64.5	75.5	78.3	80.5	82.4	84.3	85
[illegible] [illegible]	49.4	50.5	54.5	64.7	75.5	78.3	80.5	82.4	84.1	85
[illegible] [illegible]	49.3	50.5	54.7	64.7	75.5	78.3	80.5	82.4	84.2	85

TOTAL NUMBER OF OBSERVATIONS 943

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: FEB HOURS: 12-14

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
19.4	19.9	20.4	20.4	20.7	20.9	20.8	20.8	20.8	20.8	21.0
29.5	29.9	29.6	29.7	30.0	30.2	30.2	30.2	30.2	30.2	30.3
29.9	29.4	30.0	30.2	30.5	30.6	30.6	30.6	30.6	30.5	30.7
29.9	29.4	30.0	30.2	30.5	30.6	30.6	30.6	30.6	30.6	30.7
29.9	29.4	30.0	30.2	30.5	30.6	30.6	30.6	30.6	30.6	30.7
30.4	30.8	30.9	31.0	31.3	31.4	31.4	31.4	31.4	31.4	31.6
31.0	31.0	31.6	31.7	32.0	32.2	32.3	32.3	32.3	32.3	32.4
31.1	31.9	32.2	32.3	32.6	32.7	32.9	32.9	32.9	32.9	33.0
33.0	34.4	35.1	35.2	35.6	35.7	35.8	35.8	35.8	35.8	35.9
35.3	35.8	36.5	36.7	37.1	37.2	37.3	37.3	37.3	37.3	37.5
38.0	38.5	37.7	37.8	38.3	38.4	38.5	38.5	38.5	38.5	38.6
39.4	39.3	40.0	41.1	41.5	41.7	41.8	41.8	41.8	41.8	41.9
43.2	43.8	44.5	45.5	46.3	46.4	46.5	46.5	46.5	46.5	46.5
49.1	49.8	50.4	51.2	51.9	52.1	52.2	52.2	52.2	52.2	52.3
51.2	51.9	53.3	54.7	55.2	55.5	55.6	55.6	55.7	55.7	55.8
57.7	58.5	60.4	61.9	62.1	62.3	62.4	62.4	62.5	62.5	62.7
61.7	63.4	64.3	65.4	66.1	66.3	66.4	66.4	66.5	66.5	66.7
69.1	69.3	69.7	69.9	69.9	70.0	70.2	70.2	70.4	70.4	70.6
69.1	69.4	69.3	69.8	70.6	71.0	71.3	71.3	71.5	71.5	71.6
71.4	72.4	72.5	73.7	74.4	74.9	75.1	75.1	75.4	75.4	75.5
73.5	75.5	78.0	79.2	80.0	80.4	80.7	80.7	80.9	80.9	81.0
81.4	82.3	81.2	82.3	83.5	84.0	84.2	84.2	84.5	84.5	84.6
84.7	84.7	81.6	82.9	84.0	84.5	84.7	84.7	84.9	84.9	85.0
86.9	86.2	83.7	84.9	86.1	87.0	87.6	87.6	87.9	87.9	88.0
89.3	91.5	85.2	86.5	87.5	89.6	89.2	89.2	89.4	89.4	89.5
90.3	92.0	85.6	86.8	88.2	89.2	89.8	89.8	90.0	90.0	90.1
91.4	93.2	89.7	91.6	90.2	92.1	93.1	93.1	93.4	93.4	93.5
92.9	93.5	87.3	89.4	91.4	93.3	94.5	94.6	94.9	94.9	95.1
93.0	93.5	87.4	89.9	92.0	94.2	95.5	95.8	96.2	96.2	96.3
93.3	93.5	87.4	90.1	92.2	95.1	96.5	96.9	98.1	98.2	98.4
93.4	93.5	87.5	90.2	92.3	95.2	96.6	97.2	98.4	98.5	99.6
93.4	93.5	87.5	90.2	92.3	95.2	96.6	97.2	98.4	98.5	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35663 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 112?	GE ?	GE ?0	GE ??	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	17.7	17.?	22.1	22.4	24.1	24.7	25.1	25.3	25.3	25.
GE 2?0??	21.7	2?.?	27.4	2?.3	31.?	31.7	32.?	32.3	32.3	32.
GE 1?0??	22.?	22.4	27.?	28.?	31.7	32.4	32.7	33.?	33.?	33.
GE 160??	2?.?	22.4	27.?	2?.9	31.7	32.4	32.7	33.?	3?.?	33.
GE 14000	22.1	??.?	2?.?	2?.?	31.?	32.5	32.?	33.1	33.1	33.
GE 1?0??	23.?	??.?	29.?	2?.?	33.1	33.?	34.?	34.4	34.4	34.
GE 10???	2?.?	?.?	3?.?	31.?	35.1	35.?	3?.3	36.?	36.?	36.
GE ????	2?.7	?.?	31.?	32.?	35.2	37.?	37.3	37.?	37.?	37.
GE ????	27.?	?.?	34.?	35.?	3?.4	3?.5	3?.?	40.4	4?.?	4?.
GE 7???	?.?	?.?	34.?	35.?	4?.?	4?.?	40.4	41.?	41.?	41.
GE ????	?.?	??.1	3?.1	3?.?	3?.5	4?.?	41.3	41.?	41.?	4?.
GE ????	31.1	31.?	37.?	3?.2	43.1	44.?	4?.?	?.7	?.7	?.
GE 4???	3?.?	?.?	4?.?	4?.?	4?.?	?.1	?.?	?1.?	?1.?	?1.
GE ????	?.?	3?.?	47.?	4?.?	?4.3	?.?	?.?	?7.2	?7.?	?7.
GE 3???	41.?	41.?	?0.?	?2.1	?.?	?.4	?.?	?.?	?.1	?.
GE 3???	4?.1	?.	?.?	??.	?3.?	?.?	?.3	?7.1	?7.4	?7.
GE ????	4?.?	?.?	?.?	?1.4	?7.4	??.3	7?.?	7?.?	71.1	7?
GE ????	4?.?	?.7	?.3	?3.?	71.1	73.?	73.7	74.7	74.?	7?
GE 1???	4?.?	?.?	?1.2	?4.3	71.7	73.7	74.4	7?.4	7?.?	7?
GE 1?0?	4?.?	?.?	?2.?	?.?	73.?	7?.1	7?.?	7?.?	7?.?	7?
GE 12??	?.?	?1.	?3.7	?7.4	7?.?	7?.?	?0.7	?2.?	?3.?	?
GE 1???	?.?	?1.?	?4.4	?.4	7?.?	?1.?	?.?	?.?	?.?	?
GE ????	?.?	?1.7	?4.3	?.?	7?.3	?2.2	?.7	?.?	?.?	?7
GE ???	?.?	?1.7	?4.?	?.?	?0.4	?3.?	?.?	?.?	?.?	?
GE 7??	?.?	?1.?	?5.?	?.?	?.?	?4.1	?.?	??.?	?.?	?1
GE ???	?.?	?1.	?5.1	?.7	?1.?	?4.?	?.?	??.?	?.?	??
GE ???	?.?	?1.?	?5.1	?9.7	?1.4	?4.?	?.?	??.7	?1.?	??
GE 4??	?.?	?1.?	?5.1	?9.7	?1.4	?4.?	?.?	??.?	?1.?	?4
GE ???	?.?	?1.?	?5.1	?9.7	?1.4	?4.?	?.?	?1.2	?2.?	?4
GE 2??	?.?	?1.?	?5.1	?9.7	?1.4	?4.?	?.?	?1.?	?2.?	?4
GE 1??	?.?	?1.?	?5.1	?9.7	?1.5	?4.?	?.?	?1.3	?2.3	??
GE ??	?.?	?1.?	?5.1	?9.7	?1.5	?4.?	?.7	?1.3	?2.3	?

TOTAL NUMBER OF OBSERVATIONS ??

...ADE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...LYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: FEB HOURS: 15-17

...SIBILITY IN METERS										
...F	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
...0	32	24	20	16	12	10	08	06	04	00
...7	25.1	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
...7	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
...6	32.7	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
...4	32.7	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
...5	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
...4	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
...9	35.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.6
...0	37.3	37.6	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7
...6	39.6	40.4	40.4	40.4	40.4	40.6	40.8	40.8	40.8	40.8
...8	40.4	41.0	41.0	41.1	41.1	41.3	41.5	41.5	41.5	41.5
...9	41.3	41.9	41.9	42.0	42.0	42.3	42.4	42.4	42.4	42.4
...3	45.3	45.7	45.7	45.8	45.8	46.1	46.2	46.2	46.2	46.2
...1	50.6	51.2	51.2	51.6	51.6	51.7	51.8	51.8	51.8	51.8
...3	56.4	57.2	57.4	57.6	57.6	57.8	58.0	58.0	58.0	58.0
...4	59.2	59.8	60.1	60.3	60.3	60.5	60.7	60.7	60.7	60.7
...3	56.3	57.1	57.4	57.6	57.7	58.0	58.1	58.1	58.1	58.1
...3	70.9	70.9	71.1	71.4	71.6	71.7	71.8	71.8	71.8	71.8
...1	74.7	74.7	74.9	75.1	75.6	75.9	76.0	76.0	76.0	76.0
...7	74.4	75.4	75.6	75.9	76.3	76.5	76.7	76.7	76.7	76.7
...1	78.3	78.9	79.2	79.4	79.9	79.2	79.3	79.3	79.3	79.3
...5	80.7	82.9	83.2	83.5	84.1	84.5	84.6	84.6	84.6	84.6
...1	33.0	35.5	35.9	36.3	37.0	37.4	37.5	37.5	37.5	37.5
...2	33.7	36.5	36.9	37.3	38.0	38.3	38.5	38.5	38.5	38.5
...9	35.0	38.2	38.6	39.2	40.0	40.2	40.5	40.5	40.5	40.5
...1	36.0	39.3	39.8	41.2	41.9	42.3	42.6	42.6	42.7	42.7
...5	36.5	40.0	40.5	42.3	43.1	43.5	43.8	43.8	43.9	43.9
...	38.1	40.7	41.3	43.9	44.7	45.2	45.5	45.5	45.5	45.5
...3	38.3	41.0	41.9	44.3	45.4	45.9	46.3	46.3	46.5	46.5
...3	38.4	41.2	42.2	44.9	46.1	46.6	47.2	47.3	47.4	47.4
...4	38.4	41.2	42.2	44.9	46.9	47.4	48.6	48.6	48.7	48.7
...9	38.9	41.3	42.3	45.1	47.1	47.5	48.5	48.8	49.1	49.8
...3	38.9	41.3	42.3	45.1	47.1	47.5	48.5	48.8	49.1	100.0

...1 - 2 - 1...

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	GE 112	GE [illegible]	GE [illegible]0	GE 50	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	23.0	23.3	25.9	27.4	29.9	30.9	31.9	32.2	32.3
GE 20000	26.3	28.6	31.4	32.6	35.1	36.3	37.3	37.6	37.7
GE 18000	26.3	28.5	31.4	32.5	35.3	36.5	37.5	37.[illegible]	37.9
GE 16000	26.3	28.7	31.4	32.5	35.3	36.5	37.6	37.[illegible]	37.[illegible]
GE 14000	26.5	[illegible].7	31.7	32.7	35.6	36.7	37.8	38.0	38.2
GE 12000	26.7	27.[illegible]	31.[illegible]	33.1	35.9	37.1	38.2	38.4	38.6
GE 10000	28.7	29.[illegible]	33.9	35.3	38.4	39.5	40.5	40.9	41.0
GE 9000	29.7	30.[illegible]	34.3	35.7	38.[illegible]	39.9	41.1	41.2	41.3
GE 8000	30.7	31.1	36.5	37.4	41.6	42.[illegible]	43.[illegible]	44.3	44.4
GE 7000	31.2	31.6	37.[illegible]	38.[illegible]	41.9	43.1	44.2	44.5	44.[illegible]
GE 6000	31.9	32.[illegible]	37.7	39.5	42.9	44.2	45.2	45.7	45.[illegible]
GE 5000	35.2	35.5	41.2	43.2	45.6	46.2	47.2	47.7	[illegible]
GE 4500	39.5	39.7	45.1	46.2	52.2	53.7	55.0	55.5	[illegible].7
GE 4000	42.[illegible]	42.[illegible]	49.[illegible]	52.2	55.9	56.5	59.5	60.3	[illegible].4
GE 3500	44.9	45.1	52.3	54.9	59.6	61.2	62.3	63.[illegible]	63.1
GE 3000	47.3	47.7	55.[illegible]	58.0	62.9	64.9	65.3	67.1	67.[illegible]
GE 2500	49.[illegible]	49.4	57.[illegible]	60.[illegible]	65.1	66.2	[illegible]	70.7	71.1
GE 2000	50.[illegible]	51.2	59.3	63.3	69.7	72.0	73.4	74.[illegible]	75.3
GE 1800	51.[illegible]	51.4	59.9	64.0	70.1	72.4	74.0	75.5	76.0
GE 1500	51.6	51.[illegible]	61.[illegible]	64.[illegible]	71.1	73.9	75.2	[illegible]	[illegible].4
GE 1200	51.9	51.[illegible]	62.9	66.1	72.4	75.1	78.0	79.1	79.7
GE 1000	53.[illegible]	53.[illegible]	64.0	67.6	74.9	[illegible]	[illegible]1.2	[illegible]3.7	[illegible]4.3
GE 900	61.[illegible]	61.[illegible]	64.1	68.1	75.3	78.3	81.5	84.2	84.[illegible]
GE 800	61.9	62.[illegible]	64.1	68.4	75.0	79.3	82.4	85.4	86.[illegible]
GE 700	61.9	62.[illegible]	64.[illegible]	69.[illegible]	76.3	80.6	84.1	87.[illegible]	87.[illegible]
GE 600	61.9	62.3	64.6	69.1	76.9	80.7	84.3	87.8	88.[illegible]
GE 500	62.2	62.5	65.0	70.[illegible]	78.3	82.9	85.7	90.[illegible]	91.6
GE 400	62.7	62.5	65.1	70.1	78.9	83.2	86.9	91.3	92.3
GE 300	62.2	62.[illegible]	65.1	70.1	78.9	83.2	86.9	91.4	92.7
GE 200	62.2	62.[illegible]	65.3	70.2	79.0	83.[illegible]	87.4	91.[illegible]	93.3
GE 100	62.2	62.5	65.3	70.2	79.0	83.3	87.4	91.9	93.3
GE 000	62.[illegible]	62.[illegible]	65.3	70.2	79.0	83.3	87.4	91.9	93.3

TOTAL NUMBER OF OBSERVATIONS [illegible]49

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 78 - JUN 86
MONTH: FEB HOURS: 18-20

CEILING IN HUNDREDS OF FEET / VISIBILITY IN METERS										
[illegible] 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
30.9	31.9	32.2	32.3	32.4	32.4	32.4	32.4	32.5	32.5	32.5
36.3	37.3	37.6	37.7	37.8	37.8	37.8	37.9	38.0	38.0	38.0
36.3	37.3	37.6	37.7	38.0	38.0	38.0	38.0	38.3	38.3	38.3
36.3	37.3	37.6	37.7	38.0	38.0	38.0	38.0	38.3	38.3	38.3
36.7	37.3	38.0	38.2	38.3	38.3	38.3	38.3	38.5	38.5	38.5
37.1	38.2	38.4	38.5	38.6	38.6	38.6	38.6	38.9	38.9	38.9
40.6	41.6	41.9	41.9	41.1	41.1	41.1	41.1	41.3	41.3	41.3
40.9	41.0	41.2	41.3	41.5	41.5	41.5	41.5	41.7	41.7	41.7
43.	43.5	44.3	44.4	44.5	44.5	44.6	44.6	44.9	44.9	44.9
43.1	44.2	44.5	44.6	45.0	45.0	45.1	45.1	45.3	45.3	45.3
44.2	45.2	45.7	45.8	46.1	46.1	46.2	46.2	46.4	46.4	46.4
47.2	48.2	48.7	48.8	50.1	50.1	50.2	50.2	50.4	50.4	50.4
53.9	55.3	55.6	55.7	55.9	55.9	56.1	56.1	56.3	56.3	56.3
54.6	59.6	60.3	60.4	60.7	60.7	60.8	60.8	61.0	61.0	61.0
61.2	62.3	63.0	63.1	63.4	63.4	63.5	63.5	63.7	63.7	63.7
64.9	66.3	67.1	67.3	67.6	67.8	68.0	68.0	68.2	68.2	68.2
69.2	69.6	70.7	71.1	71.4	71.4	71.5	71.5	71.7	71.7	71.7
73.2	73.4	74.6	75.3	75.5	75.1	75.2	75.2	75.4	75.4	75.4
73.4	74.3	75.5	76.0	76.2	76.8	76.9	76.9	77.1	77.1	77.1
73.9	75.2	76.3	76.4	78.7	79.3	79.4	79.4	79.6	79.6	79.6
75.1	78.0	80.1	80.7	80.9	81.5	81.6	81.6	81.9	81.9	81.9
82.3	83.2	83.7	84.3	84.5	85.2	85.3	85.3	85.5	85.5	85.5
85.3	86.3	84.2	84.3	85.2	85.7	85.9	85.9	86.1	86.1	86.1
86.3	87.4	88.4	88.5	86.8	87.4	87.5	87.5	87.8	87.8	87.8
88.6	84.1	87.0	87.9	88.5	89.2	89.3	89.3	89.5	89.5	89.5
89.7	84.3	87.8	88.5	89.5	90.1	90.2	90.2	90.5	90.5	90.5
92.9	93.7	93.8	91.5	92.6	93.4	93.5	93.5	93.8	93.8	93.8
93.2	93.9	91.3	92.3	93.4	94.3	94.5	94.5	94.7	94.7	94.7
93.2	93.9	91.4	92.7	93.9	95.4	95.6	95.8	96.1	96.5	96.5
93.2	97.4	91.3	93.3	94.7	96.5	96.9	97.3	97.6	98.6	98.7
93.3	97.4	91.9	93.3	94.3	96.6	97.2	97.5	98.2	99.3	100.0
93.3	97.4	91.9	93.3	94.3	96.6	97.2	97.5	98.2	99.3	100.0

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVAT

STATION NUMBER: 99999 STATION NAME: UPPER HEYFORD ENG UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS								
	0	1	2	3	4	5	6	7	8
	119	47	29	50	49	45	32	24	20
0 CEIL	28.3	10.5	27.9	23.9	31.0	32.2	33.3	33.9	33.9
1	34.5	10.1	27.9	30.9	33.0	34.2	35.3	35.4	35.9
2	34.5	10.2	30.2	31.1	33.2	34.4	35.5	35.7	36.2
3	34.5	10.3	30.2	31.1	33.2	34.4	35.5	35.7	36.2
4	34.1	10.1	30.4	31.3	33.5	34.6	35.8	35.8	36.4
5	34.1	10.5	30.4	31.3	33.5	34.6	35.8	35.8	36.4
6	34.5	10.6	32.1	32.3	33.8	35.6	37.1	37.2	37.9
7	35.3	10.5	32.1	32.5	33.8	35.7	37.2	37.4	38.2
8	35.3	10.5	32.2	32.5	33.8	35.7	37.2	37.4	38.2
9	36.3	10.3	31.2	32.5	33.8	40.5	41.7	42.3	43.0
10	36.4	10.4	31.3	32.6	37.1	41.1	42.2	42.7	43.1
11	36.4	10.4	31.3	32.6	37.4	41.5	41.7	42.9	43.7
12	38.1	10.4	33.3	34.3	41.3	44.3	45.7	46.3	47.1
13	38.5	10.5	33.5	34.5	41.3	44.3	45.7	46.3	47.1
14	40.5	10.5	35.3	36.5	43.5	46.1	47.4	48.1	49.0
15	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
16	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
17	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
18	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
19	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
20	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
21	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
22	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
23	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
24	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
25	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
26	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
27	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
28	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
29	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
30	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2
31	41.3	10.5	36.1	37.3	44.3	47.1	48.4	49.1	50.2

TOTAL OBSERVATIONS 999

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 75 - JUN 85
[illegible] - 2 MONTH: FEB HOURS: 21-23

CEILING IN METERS	VISIBILITY IN METERS											
	3E 48	0F 40	3F 32	3C 24	0E 20	0F 16	0E 12	0F 10	0F 08	0E 05	0E 04	0E 00
[illegible]	31.0	32.2	33.3	33.3	33.9	34.3	34.3	34.4	34.4	34.4	34.4	34.6
[illegible]	33.0	34.2	35.3	35.4	35.9	36.5	36.5	36.5	36.6	36.5	36.5	36.9
[illegible]	33.2	34.4	35.5	35.6	36.2	36.7	36.7	36.9	36.9	36.9	36.9	37.1
[illegible]	33.2	34.4	35.5	35.6	36.2	36.7	36.7	36.9	36.9	36.9	36.9	37.1
[illegible]	33.6	34.6	35.6	36.3	36.4	37.0	37.0	37.1	37.1	37.1	37.1	37.3
[illegible]	33.6	34.6	35.6	36.3	36.4	37.0	37.0	37.1	37.1	37.1	37.1	37.3
[illegible]	35.6	37.0	38.2	38.9	39.3	39.8	39.8	39.8	39.8	39.8	39.8	39.9
[illegible]	35.8	37.2	38.4	39.0	39.2	39.8	39.8	39.9	39.9	39.9	39.9	40.2
[illegible]	39.3	40.9	41.7	42.3	42.6	43.2	43.2	43.5	43.5	43.5	43.5	43.6
[illegible]	39.3	41.0	42.2	42.8	43.1	43.7	43.7	44.1	44.1	44.1	44.1	44.3
[illegible]	39.5	41.7	42.9	43.5	43.8	44.4	44.4	44.8	44.8	44.8	44.8	45.0
[illegible]	44.3	46.0	46.3	47.5	47.8	48.5	48.5	48.9	48.9	48.9	48.9	49.1
[illegible]	44.4	46.1	51.2	52.1	52.4	53.1	53.1	53.2	53.5	53.5	53.5	53.7
[illegible]	51.9	53.5	54.8	55.8	56.2	56.9	56.9	57.4	57.4	57.4	57.4	57.5
[illegible]	55.3	56.7	58.0	59.2	59.6	60.3	60.3	60.8	60.8	60.8	60.8	61.0
[illegible]	55.7	57.3	58.8	60.1	60.5	61.2	61.2	61.7	61.7	61.7	61.7	61.9
[illegible]	63.6	65.3	66.7	67.9	68.3	69.0	69.0	69.7	69.7	69.7	69.7	70.0
[illegible]	64.9	66.7	73.5	72.0	72.4	73.1	73.5	74.0	74.0	74.0	74.0	74.2
[illegible]	65.0	70.4	72.3	73.7	74.4	75.1	75.5	75.9	75.9	75.9	75.9	76.2
[illegible]	71.7	72.7	74.7	76.2	76.9	77.6	78.0	78.4	78.4	78.4	78.4	78.7
[illegible]	72.3	75.0	77.9	79.7	80.4	81.2	81.6	82.0	82.0	82.0	82.0	82.2
[illegible]	74.7	77.0	80.1	82.2	82.9	83.6	84.0	84.5	84.5	84.5	84.5	84.7
[illegible]	74.9	77.1	80.3	82.7	83.4	84.1	84.5	84.9	84.9	84.9	84.9	85.2
[illegible]	75.3	78.5	82.7	84.9	85.7	86.2	86.6	87.0	87.0	87.0	87.0	87.3
[illegible]	77.1	79.7	84.3	86.6	87.2	87.9	88.2	88.7	88.7	88.7	88.7	88.9
[illegible]	77.5	80.1	84.9	87.3	88.0	88.9	89.3	89.8	89.8	89.8	89.8	90.0
[illegible]	78.4	81.4	85.9	88.2	89.1	91.0	91.5	92.2	92.2	92.2	92.2	92.5
[illegible]	78.7	81.6	86.1	88.4	89.3	91.9	92.4	93.5	93.5	93.5	93.5	93.8
[illegible]	78.7	81.6	86.3	90.0	91.0	92.2	93.8	94.6	94.6	94.6	95.3	95.5
[illegible]	78.7	81.6	87.0	90.6	91.6	92.5	95.1	95.0	95.1	95.5	97.2	97.6
[illegible]	78.7	81.6	87.0	90.6	91.6	92.8	95.2	95.1	95.3	95.8	97.9	100.0
[illegible]	78.7	81.6	87.0	90.6	91.6	92.8	95.2	95.1	95.3	95.8	97.9	100.0

OPERATING LOCATION "A"   PERCENTAGE FREQUENCY OF OCCURRENCE OF
USAFETAC, ASHEVILLE NC   [illegible] BY OBSERVATI[illegible]

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK
EST TO UTC: - 0

CEILING IN FEET	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 32	[illegible]	[illegible]	[illegible]
	VISIBILITY IN METERS									
NO CEIL	1[illegible]	[illegible]	22.2	23.3	25.3	26.1	26.[illegible]	27.4	27.7	2[illegible]
[illegible]	21.1	21.4	[illegible]	27.2	29.[illegible]	30.7	31.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	21.2	21.6	25.0	27.4	30.0	30.9	31.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	21.[illegible]	21.6	25.0	27.4	30.0	30.[illegible]	31.[illegible]	[illegible]	[illegible]	[illegible]
GE 14000	21.4	21.7	25.2	27.5	30.1	31.1	32.[illegible]	[illegible]	[illegible]	[illegible]
GE 12000	21.7	[illegible]	[illegible]	27.9	[illegible]	31.5	[illegible]	33.0	33.4	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32.1	33.0	34.[illegible]	34.7	[illegible].1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible].3	29.[illegible]	32.6	33.[illegible]	[illegible]	[illegible].2	[illegible]	[illegible]
[illegible]	[illegible].1	[illegible]	[illegible].3	[illegible]	34.[illegible]	[illegible]	[illegible]	37.7	[illegible]	[illegible]
[illegible] 7000	[illegible].7	[illegible]	31.[illegible]	[illegible]	[illegible].7	[illegible]	37.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible].1	[illegible]	31.[illegible]	[illegible]	[illegible].4	37.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible].7	[illegible].7	[illegible].1	[illegible]	[illegible].7	[illegible].1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].4	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]
[illegible]	44.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible].1	[illegible].1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	71.[illegible]	[illegible]	7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.1	[illegible]	[illegible]	[illegible]	7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	70.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible].1	[illegible].1	70.7	73.1	[illegible]	[illegible].3	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	72.3	74.[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible].2	53.7	73.3	[illegible]	[illegible].1	[illegible].3	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.[illegible]	76.5	[illegible]	[illegible].1	[illegible]	
[illegible]	[illegible]	[illegible].1	[illegible]	[illegible].5	74.[illegible]	77.[illegible]	[illegible]	[illegible]	[illegible].3	[illegible]
[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	74.[illegible]	77.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible].1	[illegible]	64.[illegible]	74.[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]
[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	74.[illegible]	7[illegible]	[illegible].7	[illegible].1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	74.[illegible]	7[illegible].1	[illegible].7	[illegible]	[illegible]	[illegible]
[illegible]	47.[illegible]	[illegible].1	[illegible]	54.[illegible]	74.9	7[illegible].1	[illegible].7	[illegible].2	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]-YFORD R&F UK PERIOD OF RECORD: JUL 7[illegible] - JUN 7[illegible]
MONTH: ALL HOURS: ALL

VISIBILITY IN METERS										
9E	3E	9E	8E	5E	0E	3E	6E	5E	4E	0E
40	32	24	20	16	12	10	08	06	04	00
26.1	26.8	27.4	27.7	28.1	28.2	28.3	28.4	28.5	28.7	28.9
30.7	31.0	31.2	32.0	32.1	32.2	32.3	32.4	32.5	32.7	34.0
30.9	31.0	31.5	32.3	32.3	33.4	33.5	33.6	33.8	34.0	34.2
30.9	31.0	31.6	32.9	32.3	33.4	33.5	33.6	33.8	34.0	34.2
31.1	32.0	32.6	33.0	33.0	33.6	33.7	33.8	34.0	34.1	34.4
31.6	32.4	33.0	33.4	33.9	34.0	34.1	34.2	34.3	34.5	34.8
33.2	34.0	34.7	35.1	35.6	35.7	35.8	35.9	36.0	36.3	36.5
33.6	34.5	35.2	35.7	36.1	36.2	36.4	36.4	36.6	36.9	37.2
34.4	35.4	36.2	36.8	37.3	37.4	37.6	37.7	37.9	38.2	38.5
36.7	37.7	38.5	39.0	39.5	39.6	39.8	39.9	40.1	40.4	40.6
37.4	38.3	39.2	39.7	40.4	40.5	40.7	40.8	40.9	41.2	41.5
40.7	41.6	42.4	42.9	43.6	43.7	43.8	43.9	44.1	44.3	44.5
41.0	41.9	42.7	43.2	43.9	44.0	44.1	44.2	44.4	44.6	44.8
41.4	42.3	43.1	43.6	44.3	44.4	44.5	44.6	44.8	45.1	45.3
47.1	48.0	48.8	49.3	50.0	50.1	50.3	50.4	50.6	50.9	51.1
47.4	48.3	49.1	49.6	50.3	50.5	50.6	50.8	51.0	51.3	51.5
47.4	48.3	49.1	49.6	50.3	50.5	50.6	50.8	51.0	51.3	51.5
50.1	51.0	51.8	52.3	53.0	53.2	53.3	53.4	53.6	53.9	54.1
50.4	51.3	52.1	52.6	53.3	53.5	53.6	53.8	54.0	54.3	54.5
53.1	54.0	54.8	55.3	56.0	56.2	56.3	56.5	56.7	57.0	57.2
53.4	54.3	55.1	55.6	56.3	56.5	56.6	56.8	57.0	57.3	57.5
57.4	58.3	59.1	59.6	60.3	60.5	60.6	60.8	61.0	61.3	61.5
57.8	58.7	59.5	60.0	60.7	60.9	61.0	61.2	61.4	61.7	61.9
58.1	59.0	59.8	60.3	61.0	61.2	61.3	61.5	61.7	62.0	62.2
63.3	64.2	65.0	65.5	66.2	66.4	66.5	66.7	66.9	67.2	67.4
63.6	64.5	65.3	65.8	66.5	66.7	66.8	67.0	67.2	67.5	67.7
64.7	65.6	66.4	66.9	67.6	67.8	67.9	68.1	68.3	68.6	68.8
67.3	68.2	69.0	69.5	70.2	70.4	70.5	70.7	70.9	71.2	71.4
67.3	68.2	69.0	69.5	70.2	70.4	70.5	70.7	70.9	71.2	71.4
70.1	71.0	71.8	72.3	73.1	73.3	73.4	73.6	73.8	74.1	74.3
71.4	72.3	73.1	73.6	74.3	74.5	74.6	74.8	75.0	75.3	75.5
74.1	75.0	75.8	76.3	77.0	77.2	77.3	77.5	77.7	78.0	78.2
77.5	78.4	79.2	79.7	80.4	80.7	80.8	81.0	81.2	81.5	81.7
78.1	79.0	79.8	80.3	81.0	81.2	81.3	81.5	81.7	82.0	82.2
78.1	79.0	79.8	80.3	81.0	81.2	81.3	81.5	81.7	82.0	82.2
79.3	80.2	81.0	81.5	82.2	82.4	82.5	82.7	82.9	83.2	83.4
79.3	80.2	81.0	81.5	82.2	82.4	82.5	82.7	82.9	83.2	83.4
80.1	81.0	81.8	82.3	83.0	83.2	83.3	83.5	83.7	84.0	84.2
81.3	82.2	83.0	83.5	84.2	84.4	84.5	84.7	84.9	85.2	85.4
81.6	82.5	83.3	83.8	84.5	84.7	84.8	85.0	85.2	85.5	85.7
82.1	83.0	83.8	84.3	85.0	85.2	85.3	85.5	85.7	86.0	86.2
82.1	83.0	83.8	84.3	85.0	85.2	85.3	85.5	85.7	86.0	86.2
83.1	84.0	84.8	85.3	86.0	86.2	86.3	86.5	86.7	87.0	87.2
83.4	84.3	85.1	85.6	86.3	86.5	86.6	86.8	87.0	87.3	87.5
84.1	85.0	85.8	86.3	87.0	87.2	87.3	87.5	87.7	88.0	88.2
84.5	85.4	86.2	86.7	87.4	87.6	87.7	87.9	88.1	88.4	88.6
84.5	85.4	86.2	86.7	87.4	87.6	87.7	87.9	88.1	88.4	88.6
85.1	86.0	86.8	87.3	88.0	88.2	88.3	88.5	88.7	89.0	89.2
85.4	86.3	87.1	87.6	88.3	88.5	88.6	88.8	89.0	89.3	89.5
86.1	87.0	87.8	88.3	89.0	89.2	89.3	89.5	89.7	90.0	90.2
87.3	88.2	89.0	89.5	90.2	90.4	90.5	90.7	90.9	91.2	91.4
87.3	88.2	89.0	89.5	90.2	90.4	90.5	90.7	90.9	91.2	91.4
87.9	88.8	89.6	90.1	90.8	91.0	91.1	91.3	91.5	91.8	92.0
88.2	89.1	89.9	90.4	91.1	91.3	91.4	91.6	91.8	92.1	92.3
88.5	89.4	90.2	90.7	91.4	91.6	91.7	91.9	92.1	92.4	92.6
89.1	90.0	90.8	91.3	92.0	92.2	92.3	92.5	92.7	93.0	93.2
89.1	90.0	90.8	91.3	92.0	92.2	92.3	92.5	92.7	93.0	93.2
89.4	90.3	91.1	91.6	92.3	92.5	92.6	92.8	93.0	93.3	93.5
89.7	90.6	91.4	91.9	92.6	92.8	92.9	93.1	93.3	93.6	93.8
90.1	91.0	91.8	92.3	93.0	93.2	93.3	93.5	93.7	94.0	94.2
90.1	91.0	91.8	92.3	93.0	93.2	93.3	93.5	93.7	94.0	94.2
90.4	91.3	92.1	92.6	93.3	93.5	93.6	93.8	94.0	94.3	94.5
90.7	91.6	92.4	92.9	93.6	93.8	93.9	94.1	94.3	94.6	94.8
91.1	92.0	92.8	93.3	94.0	94.2	94.3	94.5	94.7	95.0	95.2
91.4	92.3	93.1	93.6	94.3	94.5	94.6	94.8	95.0	95.3	95.5
91.4	92.3	93.1	93.6	94.3	94.5	94.6	94.8	95.0	95.3	95.5
91.7	92.6	93.4	93.9	94.6	94.8	94.9	95.1	95.3	95.6	95.8
91.9	92.8	93.6	94.1	94.8	95.0	95.1	95.3	95.5	95.8	96.0
92.2	93.1	93.9	94.4	95.1	95.3	95.4	95.6	95.8	96.1	96.3
92.7	93.6	94.4	94.9	95.6	95.8	95.9	96.1	96.3	96.6	96.8
93.1	94.0	94.8	95.3	96.0	96.2	96.3	96.5	96.7	97.0	97.2
93.4	94.3	95.1	95.6	96.3	96.5	96.6	96.8	97.0	97.3	97.5
94.1	95.0	95.8	96.3	97.0	97.2	97.3	97.5	97.7	98.0	98.2
94.1	95.0	95.8	96.3	97.0	97.2	97.3	97.5	97.7	98.0	98.2
94.4	95.3	96.1	96.6	97.3	97.5	97.6	97.8	98.0	98.3	98.5
94.7	95.6	96.4	96.9	97.6	97.8	97.9	98.1	98.3	98.6	98.8
95.1	96.0	96.8	97.3	98.0	98.2	98.3	98.5	98.7	99.0	99.2
95.1	96.0	96.8	97.3	98.0	98.2	98.3	98.5	98.7	99.0	99.2
95.4	96.3	97.1	97.6	98.3	98.5	98.6	98.8	99.0	99.3	99.5
95.7	96.6	97.4	97.9	98.6	98.8	98.9	99.1	99.3	99.6	99.8
96.1	97.0	97.8	98.3	99.0	99.2	99.3	99.5	99.7	100.0	100.2

[illegible] USAF ETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]

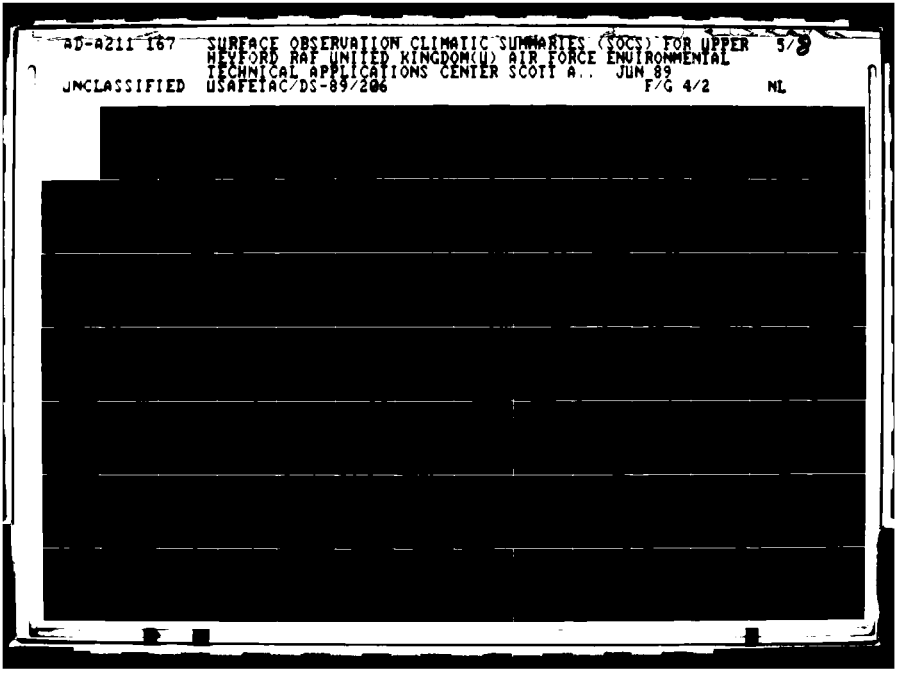
STATION NUMBER: [illegible] STATION NAME: [illegible]

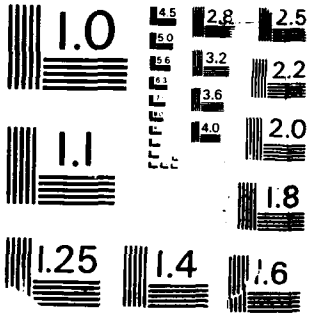
LST TO UTC: - [illegible]

CEILING IN FEET	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	VISIBILITY IN METERS [illegible]	[illegible]	[illegible]	[illegible]
[illegible] IL	[illegible]	[illegible]1.1	[illegible]3.	[illegible]	[illegible].3	3[illegible]	37.4	37.7	3[illegible].1
[illegible]	[illegible]	[illegible]	[illegible]	37.2	39.2	39.[illegible]	[illegible]	41.1	41.4
[illegible] 1[illegible]	[illegible]	[illegible]	[illegible]	37.2	39.2	39.[illegible]	[illegible]	41.1	41.4
[illegible] 1[illegible]	[illegible]	[illegible]	[illegible]	37.2	39.2	39.[illegible]	[illegible]	41.1	41.4
[illegible] 14[illegible]	[illegible]	[illegible]	[illegible]	37.[illegible]	[illegible]	39.7	[illegible]	41.[illegible]	41.7
[illegible] 1[illegible]	[illegible]	[illegible].1	[illegible]	[illegible].1	4[illegible]	40.4	41.4	42.[illegible]	42.[illegible]
[illegible] 1[illegible]	[illegible]	[illegible]	[illegible]7.[illegible]	[illegible].3	41.7	42.[illegible]	43.1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.2	[illegible]	[illegible]	44.1	[illegible]
[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 7[illegible]	[illegible]	[illegible]	41.[illegible]	[illegible]	[illegible]	[illegible]	47.1	47.7	[illegible]
[illegible]	[illegible].3	[illegible].7	42.	[illegible]	[illegible]	47.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	4[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	53.1	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]1.[illegible]	[illegible]1.[illegible]	[illegible].1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	57.1	[illegible]	[illegible]3.3	[illegible]	[illegible].4	[illegible].7	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]1.[illegible]	[illegible]	[illegible].1	[illegible]7.7	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.1	71.7	73.[illegible]	[illegible]
[illegible] 1[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	71.[illegible]	73.[illegible]	74.3	[illegible]
[illegible] 1[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	74.[illegible]	7[illegible]	7[illegible]	7[illegible]	73.[illegible]
[illegible] 1[illegible]	[illegible]	1[illegible]	[illegible]	71.[illegible]	7[illegible]	77.3	73.[illegible]	[illegible]	[illegible]
[illegible] 1[illegible]	[illegible]	[illegible]	[illegible]	73.[illegible]	7[illegible]	7[illegible]	[illegible]1.7	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]3.7	71.[illegible]	76.[illegible]	7[illegible]	[illegible].7	[illegible].1	[illegible].7	[illegible]
[illegible]	[illegible]	[illegible]	73.1	75.4	[illegible]1.[illegible]	[illegible]	[illegible].3	[illegible]7.[illegible]	[illegible].1
[illegible] 7[illegible]	[illegible]	[illegible]	73.[illegible]	77.[illegible]	[illegible].7	3.[illegible]	[illegible].1	[illegible].3	[illegible]
[illegible]	[illegible]	[illegible]	74.[illegible]	77.[illegible]	[illegible]3.[illegible]	[illegible]	[illegible]7.[illegible]	[illegible].7	[illegible]1.[illegible]
[illegible]	[illegible].7	[illegible].7	7[illegible].2	7[illegible]	[illegible].7	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible].1
[illegible] 4[illegible]	[illegible].7	[illegible].7	75.3	79.3	[illegible]	87.1	[illegible]	[illegible]	[illegible]
[illegible] 3	[illegible].7	[illegible].7	75.3	7[illegible]	[illegible]	87.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible].7	[illegible].7	75.[illegible]	7[illegible]	[illegible].3	87.1	[illegible]	[illegible]3.1	[illegible]
[illegible] 1[illegible]	[illegible].7	[illegible].7	75.3	79.[illegible]	[illegible]	[illegible]7.1	[illegible]	[illegible]3.1	[illegible]
[illegible]	[illegible]4.7	[illegible].7	75.3	79.[illegible]	[illegible]	87.1	[illegible]	[illegible]3.1	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER 5/9
HEYFORD RAF (UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89
UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6

CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS										
	50+	32	24	20	16	12	10	8	6	4	2
	40	32	24	20	16	12	10	8	6	4	0
30+	36.5	37.4	37.9	38.1	38.2	38.2	38.2	38.3	38.3	38.3	38.3
20	39.5	40.5	41.1	41.4	42.0	42.0	42.0	42.1	42.1	42.1	42.1
15	39.5	40.5	41.1	41.4	42.0	42.0	42.0	42.1	42.1	42.1	42.1
12	39.5	40.5	41.1	41.4	42.0	42.0	42.0	42.1	42.1	42.1	42.1
10	39.7	40.5	41.3	41.7	42.2	42.2	42.2	42.3	42.3	42.3	42.3
8	40.4	41.4	42.0	42.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9
7	42.0	43.1	43.5	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
6	42.9	43.5	44.1	44.5	45.0	45.0	45.0	45.1	45.1	45.1	45.1
5	45.3	46.4	46.9	47.3	47.8	47.8	47.8	47.9	47.9	47.9	47.9
4	46.2	47.1	47.7	48.0	48.5	48.5	48.5	48.7	48.7	48.7	48.7
3	47.1	48.3	48.9	49.2	49.7	49.7	49.7	49.8	49.8	49.8	49.8
2+	52.1	53.0	53.7	54.1	54.6	54.6	54.6	54.8	54.8	54.8	54.8
2	58.5	59.1	59.4	59.7	60.5	60.5	60.7	60.9	60.9	60.9	60.9
1+	59.8	60.9	62.2	62.6	63.4	63.4	63.6	63.8	63.8	63.8	63.8
1	61.5	63.1	64.6	64.9	65.7	65.7	65.9	66.1	66.1	66.1	66.1
0	63.4	65.4	66.7	67.3	68.0	68.0	68.2	68.5	68.5	68.5	68.5
1000+	68.1	69.7	70.9	71.3	72.5	72.5	72.7	72.9	72.9	72.9	72.9
700	70.1	71.7	73.0	73.3	74.5	74.5	74.7	75.0	75.0	75.0	75.0
500	71.4	73.0	74.3	75.1	75.9	75.9	76.1	76.3	76.3	76.3	76.3
400	75.0	76.9	78.3	79.2	80.3	80.3	80.5	80.7	80.7	80.7	80.7
300	77.3	79.2	80.6	81.6	82.9	82.9	83.1	83.3	83.3	83.3	83.3
200+	84.5	86.7	88.3	89.3	90.7	90.7	90.9	91.1	91.1	91.1	91.1
200	85.7	87.1	88.7	89.7	91.1	91.1	91.3	91.5	91.5	91.5	91.5
150	87.2	88.3	89.7	90.6	92.0	92.0	92.2	92.4	92.4	92.4	92.4
100	88.5	90.1	91.3	92.6	94.0	94.0	94.2	94.4	94.4	94.4	94.4
50	90.9	92.7	93.7	94.9	96.3	96.3	96.5	96.7	96.7	96.7	96.7
0	97.3	99.3	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
30+	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
20	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
15	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
12	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
10	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
8	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
7	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
6	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
5	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
4	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
3	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2+	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1+	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	97.1	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6

OPERATING LOCATION: NAW
MCAFFEE, AFB, ILL

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM ANNUAL SUMMARY

STATION NO: 93953 STATION NAME: DOUG MEMORIAL AIR P
LST DIFFS: - 6

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	10	7	5	4	3	2½	2	1½	1	½
22 CEIL	34.1	34.1	37.3	28.2	29.7	30.5	31.4	32.2	32.2	32.2
20 20000	37.	35.1	38.3	30.4	31.2	32.1	34.1	34.5	34.7	34.
19 18000	38.	35.1	38.3	30.4	32.2	32.9	34.2	34.7	34.7	34.
17 16000	37.	35.2	38.5	30.4	32.2	32.2	34.1	34.	34.2	34.
16 14000	37.2	35.2	38.7	30.2	32.3	33.0	34.2	34.4	34.5	34.1
14 12000	36.2	34.7	38.2	30.2	32.2	33.3	34.5	35.3	35.2	35.4
13 10000	36.7	36.5	41.5	31.5	33.7	34.4	36.7	36.5	36.5	36.6
12 9000	37.1	37.3	41.2	32.0	34.2	34.3	36.2	37.2	37.1	37.1
11 8000	37.4	37.6	41.9	33.0	34.7	37.2	37.7	38.1	38.1	38.1
10 7000	39.7	39.9	44.2	34.2	37.1	37.1	39.1	39.3	39.4	4 .1
9 6000	40.3	41.2	45.2	36.1	38.4	39.1	40.4	41.2	41.2	41.4
8 5000	44.1	44.3	48.0	40.2	42.2	43.7	44.3	45.7	45.7	45.8
7 4000	47.1	47.4	52.3	43.1	47.1	47.3	49.7	50.6	50.6	51.1
6 3000	49.4	51.1	55.7	49.0	51.7	52.3	54.4	55.3	55.4	55.8
5 2500	51.3	52.1	60.2	49.5	53.2	54.1	56.0	56.3	57.4	57.6
4 2000	53.1	54.4	61.2	52.2	55.3	57.7	59.7	61.5	61.5	61.
3 1500	57.1	57.6	64.4	55.7	60.1	61.7	63.1	64.5	64.7	65.
2 1000	60.1	61.1	67.3	59.4	63.7	64.9	67.2	68.1	68.3	68.
1 500	61.1	63.4	69.4	60.3	64.5	66.7	69.3	70.1	70.3	70.7
0 300	63.4	66.1	72.4	64.1	68.8	70.4	72.9	73.1	74.1	74.7
0 200	65.3	67.9	74.1	66.5	71.3	73.1	75.1	75.9	77.2	77.4
22 10000	66.2	67.7	66.3	66.3	73.1	75.2	77.2	77.5	78.3	78.5
20 9000	66.4	67.5	67.1	69.0	73.9	75.3	77.4	78.2	81.5	81.6
19 8000	67.1	67.7	67.5	70.1	75.2	77.2	80.2	81.6	81.9	82.1
18 7000	67.2	67.8	68.6	71.5	76.2	78.3	81.5	83.1	83.1	84.5
16 6000	68.5	69.1	69.7	72.2	78.0	80.1	83.5	85.2	85.3	87.1
15 5000	69.6	70.5	71.3	73.0	77.2	82.2	85.4	87.4	88.4	90.3
13 4000	69.9	71.4	71.1	73.7	80.0	82.9	86.7	88.1	91.0	92.1
12 3000	69.9	71.5	71.1	73.9	80.2	83.2	87.1	89.5	91.7	92.3
10 2500	69.9	71.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	93.
9 2000	69.9	71.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	94.1
7 1500	69.9	71.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	94.1
6 1000	69.9	71.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	94.1
4 500	69.9	71.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	94.1
3 300	69.9	71.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	94.1
2 200	69.9	71.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	94.1
1 100	69.9	71.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	94.1
0 0	69.9	71.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	94.1

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: MAR HOURS: 03-05

CEILING IN METERS / VISIBILITY IN KILOMETERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	31.4	32.2	32.2	32.2	32.5	32.5	32.6	32.8	32.9	33.4
[illegible]	34.1	34.9	34.9	34.9	35.3	35.3	35.4	35.5	35.7	36.2
[illegible]	34.1	34.9	34.9	34.9	35.3	35.3	35.4	35.5	35.7	36.2
[illegible]	34.1	34.9	34.9	34.9	35.3	35.3	35.4	35.5	35.7	36.2
[illegible]	34.2	34.9	34.9	35.1	35.4	35.4	35.5	35.7	35.8	36.3
[illegible]	34.5	35.3	35.3	35.4	35.7	35.7	35.8	36.0	36.1	36.7
[illegible]	36.7	36.5	36.5	36.6	36.9	36.9	37.0	37.2	37.3	37.8
[illegible]	36.2	37.0	37.0	37.1	37.4	37.4	37.5	37.7	37.8	38.4
[illegible]	38.0	39.3	39.3	39.9	40.2	40.2	40.3	40.5	40.6	41.2
[illegible]	39.1	39.9	39.9	40.1	40.4	40.4	40.5	40.8	40.9	41.4
[illegible]	40.4	41.2	41.2	41.6	41.9	41.9	41.9	42.2	42.3	42.9
[illegible]	44.0	45.7	45.7	46.1	46.7	46.7	46.8	47.0	47.1	48.0
[illegible]	44.7	50.6	50.6	51.1	51.6	51.6	51.7	51.9	52.0	52.9
[illegible]	54.4	55.3	55.4	55.9	56.5	56.5	56.6	56.9	57.0	57.5
[illegible]	55.0	56.7	57.0	57.6	58.1	58.1	58.2	58.5	58.6	59.5
[illegible]	59.7	60.6	60.6	61.2	61.7	61.7	61.8	62.2	62.3	63.1
[illegible]	64.4	64.6	64.7	65.3	65.6	65.6	65.9	66.2	66.3	67.2
[illegible]	67.2	68.1	68.3	68.8	69.4	69.4	69.5	69.8	69.9	70.8
[illegible]	69.0	69.9	69.9	69.6	70.1	70.1	70.2	70.5	70.6	71.5
[illegible]	72.9	73.6	74.1	74.7	75.3	75.3	75.4	75.7	75.8	76.7
[illegible]	75.8	76.9	77.2	77.8	78.4	78.4	78.5	78.8	78.9	79.8
[illegible]	78.2	79.5	79.9	80.6	81.1	81.1	81.2	81.5	81.6	82.5
[illegible]	78.9	80.2	80.6	81.3	81.8	81.8	81.9	82.3	82.4	83.2
[illegible]	80.2	81.6	81.9	82.6	83.1	83.1	83.2	83.6	83.7	84.5
[illegible]	81.6	83.1	83.3	84.6	85.1	85.2	85.3	85.6	85.7	86.6
[illegible]	83.6	85.2	85.3	87.1	87.6	87.7	87.8	88.2	88.3	89.1
[illegible]	85.6	87.4	89.4	90.3	91.0	91.2	91.3	91.7	91.8	92.7
[illegible]	86.7	88.1	91.0	92.0	92.9	93.1	93.2	93.7	93.8	94.6
[illegible]	87.1	89.6	91.7	92.9	93.8	94.0	94.1	94.9	95.1	96.0
[illegible]	87.2	89.7	92.0	93.9	94.7	95.3	95.5	96.3	96.5	98.2
[illegible]	87.2	89.7	92.0	94.1	95.1	95.9	96.1	97.1	97.7	100.0
[illegible]	87.2	89.7	92.0	94.1	95.1	95.9	96.1	97.1	97.7	100.0

OPERATING LOCATION NAM
ASHEVILLE, ASHEVILLE

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FOR MONTHLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HAYWOOD CAR JR
LST TO UTC: - 0

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES									
	10	7	5	4	3	2	1	1/2	1/4	0
10	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
7	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
5	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
4	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
3	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1/2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
0	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
10	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
7	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
5	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
4	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
3	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1/2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
0	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
10	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
7	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
5	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
4	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
3	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1/2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
0	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
10	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
7	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
5	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
4	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
3	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1/2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
0	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
10	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
7	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
5	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
4	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
3	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1/2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
0	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
10	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
7	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
5	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
4	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
3	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
1/2	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.
0	15.7	15.7	15.8	15.8	21.2	21.4	21.9	22.3	22.4	24.

TOTAL NUMBER OF OBSERVATIONS 930

STAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HAYWARD AAF [illegible] PERIOD OF RECORD: JUL 72 - JUN 83
MONTH: MAY HOURS: 06-08

CEILING IN HUNDREDS OF FEET										
VISIBILITY IN METERS										
50	32	24	20	16	12	10	08	06	04	02
21.4	21.9	22.2	22.6	23.0	23.5	23.7	24.2	24.3	24.7	25.5
26.7	26.5	26.7	27.1	27.6	28.2	28.4	28.9	29.0	29.5	30.2
26.7	26.5	26.7	27.2	27.7	28.3	28.5	29.0	29.1	29.6	30.3
26.7	26.5	26.7	27.2	27.7	28.3	28.5	29.0	29.1	29.6	30.3
26.9	26.6	26.9	27.3	27.9	28.4	28.6	29.1	29.2	29.7	30.4
26.3	27.1	27.3	27.8	28.4	28.9	29.1	29.7	29.8	30.2	31.0
29.9	29.9	30.2	30.9	31.5	32.2	32.4	32.9	33.0	33.4	34.2
29.5	30.4	30.6	31.4	32.0	32.7	32.9	33.4	33.5	34.0	34.7
31.4	32.3	32.6	33.4	34.5	35.2	35.4	35.9	36.0	36.5	37.2
32.5	33.5	33.9	34.5	35.2	35.8	36.0	36.6	36.7	37.1	37.9
32.7	33.7	34.1	34.9	35.5	36.1	36.3	36.9	37.0	37.4	38.2
37.7	38.1	38.5	39.5	40.2	40.9	41.2	41.7	41.9	42.3	43.3
41.2	42.4	42.8	43.9	44.6	45.3	45.6	46.1	46.3	46.9	48.0
46.3	46.7	47.2	48.4	49.2	49.9	50.2	50.8	51.0	51.5	52.6
47.5	48.4	48.9	50.1	51.1	51.7	52.0	52.6	52.8	53.3	54.4
51.4	52.4	53.3	54.5	55.5	56.1	56.5	57.0	57.2	57.7	58.8
54.3	55.5	56.1	57.3	58.4	59.0	59.4	59.9	60.1	60.5	61.7
57.2	58.3	59.5	61.7	62.9	63.8	64.1	64.6	64.8	65.4	66.5
59.2	60.9	61.6	62.3	64.1	64.8	65.2	65.7	65.9	66.5	67.5
63.1	64.7	65.5	66.4	68.1	68.5	69.2	69.9	70.1	70.5	71.7
65.4	67.0	68.0	69.1	71.0	71.7	72.2	72.8	73.0	73.5	74.6
67.1	68.7	70.0	71.2	73.1	74.0	74.4	75.1	75.3	75.8	76.9
68.7	70.5	71.9	73.2	75.3	76.1	76.6	77.2	77.4	78.0	79.0
70.0	71.9	73.3	74.6	76.9	77.9	78.3	78.9	79.1	79.7	80.8
71.7	73.7	75.3	76.7	79.1	80.5	81.0	81.6	81.8	82.4	83.4
73.1	75.2	76.8	78.6	81.4	83.0	83.4	84.3	84.5	85.1	86.1
79.2	81.4	83.3	85.3	88.4	89.8	90.3	91.2	91.5	92.0	93.1
79.3	79.6	81.5	83.7	87.0	89.2	89.8	90.8	91.2	91.9	93.0
79.5	79.7	82.2	84.4	88.6	91.4	92.0	93.1	93.8	94.6	96.1
79.5	79.7	82.2	84.6	89.4	92.2	92.9	94.1	95.1	96.3	98.6
79.5	79.7	82.2	84.6	89.5	92.4	93.1	94.3	95.6	97.2	100.0
79.5	79.7	82.2	84.6	89.5	92.4	93.1	94.3	95.6	97.2	100.0

[illegible]

[illegible]

STATION [illegible] : [illegible] STATION [illegible]: [illegible] [illegible]

LST [illegible]UTC: - 6

CEILING (FEET)	VISIBILITY [illegible] (STATUTE MILES)									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	12.9	15.7	14.[illegible]	15.1	16.[illegible]	17.4	1[illegible].3	1[illegible].[illegible]	19.[illegible]	1[illegible].[illegible]
[illegible]	12.9	17.9	19.[illegible]	[illegible]0.2	22.[illegible]	23.[illegible]	[illegible]4.[illegible]	[illegible]4.3	[illegible]6.3	[illegible]7.[illegible]
[illegible]	17.[illegible]	1[illegible].[illegible]	19.[illegible]	20.3	22.5	23.[illegible]	[illegible]4.1	[illegible]5.1	[illegible]5.1	[illegible]5.[illegible]
[illegible]	17.7	1[illegible].1	19.[illegible]	20.9	22.7	23.[illegible]	[illegible]4.[illegible]	[illegible]5.2	[illegible]5.[illegible]	[illegible]5.[illegible]
[illegible]	14[illegible]0	17.[illegible]	1[illegible].2	20.[illegible]	21.[illegible]	22.[illegible]	23.7	[illegible]4.[illegible]	[illegible]5.[illegible]	[illegible]7.[illegible]	[illegible]7.[illegible]
[illegible]	12[illegible]0	1[illegible].[illegible]	1[illegible].[illegible]	[illegible]0.1	[illegible]1.1	[illegible]2.[illegible]	[illegible]3.[illegible]	[illegible]4.[illegible]	[illegible]5.4	[illegible]5.[illegible]	[illegible]7.[illegible]
[illegible]	1[illegible]0.[illegible]	13.[illegible]	1[illegible].[illegible]	[illegible]1.3	[illegible]2.[illegible]	[illegible]4.[illegible]	[illegible]5.[illegible]	[illegible]6.[illegible]	[illegible]7.4	[illegible]7.[illegible]	[illegible]7.[illegible]
[illegible]	[illegible]1[illegible].[illegible]	[illegible]3.[illegible]	[illegible]4.[illegible]	[illegible]3.3	[illegible]5.7	[illegible]5.[illegible]	[illegible]7.[illegible]	[illegible]8.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]
[illegible]	[illegible]1[illegible].[illegible]	[illegible]3.[illegible]	[illegible]4.[illegible]	[illegible]6.[illegible]	[illegible]7.[illegible]	[illegible]8.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]
[illegible]	[illegible]1[illegible].[illegible]	[illegible]3.[illegible]	[illegible]4.[illegible]	[illegible]6.[illegible]	[illegible]7.[illegible]	[illegible]8.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]
[illegible]	7[illegible]0	12.[illegible]	[illegible]3.[illegible]	[illegible]5.[illegible]	27.4	[illegible]0.[illegible]	31.[illegible]	[illegible]2.[illegible]	[illegible]3.[illegible]	[illegible]4.[illegible]	[illegible]4.[illegible]
[illegible]	[illegible]0[illegible]	22.7	[illegible]4.[illegible]	[illegible]5.1	27.[illegible]	[illegible]1.[illegible]	31.[illegible]	[illegible]2.[illegible]	[illegible]3.[illegible]	[illegible]3.[illegible]	[illegible]4.[illegible]
[illegible]	[illegible]0[illegible]	[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]6.[illegible]	[illegible]7.[illegible]	[illegible]8.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]
[illegible]	[illegible]0[illegible]	[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]6.[illegible]	[illegible]7.[illegible]	[illegible]8.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]
[illegible]	[illegible]0[illegible]	[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]6.[illegible]	[illegible]7.[illegible]	[illegible]8.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]
[illegible]	[illegible]0[illegible]	[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]6.[illegible]	[illegible]7.[illegible]	[illegible]8.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]
[illegible]	[illegible]0[illegible]	[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]6.[illegible]	[illegible]7.[illegible]	[illegible]8.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]
[illegible]	[illegible]0[illegible]	[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]6.[illegible]	[illegible]7.[illegible]	[illegible]8.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK   PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: MAR   HOURS: 09-11

VISIBILITY IN METERS

GE [illegible]	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
17.4	18.0	18.4	18.4	18.5	18.8	18.9	19.1	19.1	19.4	19.6
[illegible]	23.4	24.3	24.3	24.[illegible]	24.7	24.[illegible]	25.1	25.1	25.3	25.5
[illegible]3.4	24.1	25.1	25.1	25.3	25.5	25.6	25.8	25.8	26.0	26.2
[illegible]	24.[illegible]	25.2	25.2	25.4	25.5	25.7	25.9	25.9	26.1	26.3
[illegible].7	24.3	25.3	25.3	25.5	25.7	25.8	26.0	26.0	26.2	26.5
[illegible]	24.4	25.4	25.4	25.5	25.8	25.9	26.1	26.1	26.3	26.6
[illegible]	25.[illegible]	27.4	27.5	27.7	28.0	28.1	28.3	28.3	28.5	28.7
[illegible]	27.2	28.2	28.3	28.5	28.7	28.[illegible]	29.0	29.0	29.2	29.5
[illegible]	31.0	31.[illegible]	32.0	32.3	32.5	32.6	32.8	32.[illegible]	33.0	33.2
31.0	32.[illegible]	33.2	33.3	33.5	33.8	33.9	34.1	34.1	34.3	34.5
31.2	32.3	33.4	33.5	33.[illegible]	34.0	34.1	34.3	34.3	34.5	34.7
[illegible]	35.1	37.3	37.4	[illegible]	38.2	[illegible]	38.5	38.5	38.7	38.9
[illegible]	3[illegible]	40.[illegible]	41.0	41.[illegible]	41.7	41.8	42.2	42.2	42.4	42.6
[illegible]	43.7	44.[illegible]	44.9	45.[illegible]	45.9	46.0	46.3	46.3	46.6	46.8
[illegible]7.[illegible]	4[illegible].4	49.5	49.7	50.4	50.[illegible]	50.9	51.2	51.2	51.4	51.6
[illegible].1	55.[illegible]	56.[illegible]	57.0	57.7	58.1	58.2	58.5	58.5	58.7	58.9
[illegible]	60.[illegible]	61.3	61.5	62.3	62.6	62.7	63.0	63.0	63.2	63.4
[illegible].1	[illegible]	67.2	67.5	68.3	68.5	68.7	69.0	69.0	69.2	69.5
[illegible].3	[illegible]	[illegible].4	[illegible].7	69.5	69.8	69.9	70.2	70.2	70.4	70.6
[illegible].6	71.1	73.0	73.3	74.1	74.4	74.5	74.8	74.9	75.3	75.5
[illegible]	74.5	76.7	77.2	78.0	78.3	78.4	78.7	78.8	79.1	79.4
7[illegible].7	77.5	80.0	80.6	81.6	82.0	82.2	82.6	82.7	83.0	83.2
7[illegible]	7[illegible].3	81.0	81.7	82.8	83.2	83.3	83.6	83.9	84.2	84.4
7[illegible].3	80.1	83.0	84.0	85.2	85.7	85.8	86.2	86.3	86.7	86.9
7[illegible].4	81.4	84.5	85.5	87.2	88.0	88.1	88.5	88.6	88.9	89.1
[illegible]	82.8	86.0	87.3	89.4	90.2	90.3	90.8	90.9	91.2	91.4
[illegible].2	85.4	89.4	90.9	92.9	94.1	94.2	94.6	94.7	95.1	95.3
[illegible]2.7	86.2	90.2	92.2	94.5	96.1	96.5	96.9	97.0	97.3	97.5
[illegible]2.7	86.2	90.3	92.3	95.3	97.1	97.5	98.4	98.6	99.0	99.4
[illegible]2.7	86.2	90.3	92.3	95.3	97.3	97.7	98.7	98.9	99.4	99.9
[illegible]2.7	86.2	90.3	92.3	95.3	97.3	97.7	98.7	99.0	99.5	100.0
[illegible]2.7	86.2	90.3	92.3	95.3	97.3	97.7	98.7	99.0	99.5	100.0

OPERATING LOCATION "WA"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
EARTH FAMILY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] [illegible]
LST TO UTC: - 5

CEILING	VISIBILITY IN STATUTE MILES										
IN FEET	11	2	3	4	5	6	7	8	9	10	11
[illegible]	11.2	11.4	12.2	13.5	14.2	14.5	14.7	15.1	15.1	15.
[illegible]	17.	1 .2	19.1	19.5	20.5	21.3	21.5	22.0	22.2	22.
[illegible]	17.	1 .2	19.2	20.1	21.2	21.9	22.3	23.7	23.7	24.
[illegible]	1 .2	1 .2	19.3	20.1	21.2	21.9	22.3	23.7	23.7	24.
[illegible]	17.2	1 .	19.4	20.3	21.4	22.2	22.5	23.4	23.9	24.
[illegible]	14.2	1 .1	19.3	20.4	21.7	22.5	22.	23.2	23.2	24.
[illegible]	[illegible]	[illegible]	[illegible]	21.2	22.2	23.2	24.2	24.5	24.7	26.	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23.9	24.5	25.2	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26.1	27.2	27.5	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	25.7	26.1	27.4	28.5	29.1	29.2	29.2	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.2	32.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	37.7	37.7	40.1	41.5	41.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57.1	[illegible]	[illegible]	71.1	71.3	71.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.5	73.4	74.4	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	71.5	73.3	73.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 913

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 76 - JUN 86
MONTH: MAR HOURS: 12-14

ILITY IN METERS									
9E	9A	8E	8A	3E	1E	0F	0E	0E	0E
32	24	20	16	12	10	08	06	04	00
14.7	15.1	15.1	15.2	15.4	15.4	15.4	15.4	15.4	15.4
21.9	22.0	22.2	22.2	22.4	22.4	22.4	22.4	22.4	22.4
22.3	22.7	22.7	22.8	23.0	23.0	23.0	23.0	23.0	23.0
22.3	22.7	22.7	22.9	23.0	23.0	23.0	23.0	23.0	23.0
22.5	22.9	22.9	23.0	23.2	23.2	23.2	23.2	23.2	23.2
22.9	23.2	23.2	23.4	23.5	23.5	23.5	23.5	23.5	23.5
24.3	24.9	24.9	25.1	25.3	25.3	25.3	25.3	25.3	25.3
25.2	25.5	25.6	25.7	25.9	25.9	25.9	25.9	25.9	25.9
27.3	28.0	28.0	28.1	28.4	28.4	28.4	28.4	28.4	28.4
27.6	29.2	29.2	29.4	29.7	29.7	29.7	29.7	29.7	29.7
28.1	29.5	29.5	29.7	30.0	30.0	30.0	30.0	30.0	30.0
32.9	33.2	33.2	33.4	33.7	33.7	33.7	33.7	33.7	33.7
37.0	37.3	37.4	37.6	37.9	37.9	37.9	37.9	37.9	37.9
41.7	42.5	42.5	42.7	43.0	43.0	43.0	43.0	43.0	43.0
51.9	52.4	52.4	52.6	52.8	52.8	52.8	52.8	52.8	52.8
64.0	64.2	64.2	64.3	64.6	64.6	64.7	64.7	64.7	64.7
70.9	71.1	71.3	71.4	71.7	71.7	71.8	71.8	71.8	71.8
75.4	75.6	75.8	75.9	76.2	76.2	76.3	76.3	76.3	76.3
77.3	77.3	77.5	77.5	78.0	78.0	78.1	78.1	78.1	78.1
83.9	83.4	83.7	83.8	84.1	84.1	84.2	84.2	84.2	84.2
87.9	87.3	87.5	87.5	88.0	88.0	88.1	88.1	88.1	88.1
90.7	90.2	90.5	90.6	91.0	91.0	91.1	91.1	91.1	91.1
91.0	91.3	91.5	91.8	92.2	92.2	92.3	92.3	92.3	92.3
91.5	93.1	93.4	93.9	94.2	94.2	94.3	94.3	94.3	94.3
93.1	94.7	95.1	95.5	95.8	95.8	95.9	95.9	95.9	95.9
93.5	95.2	95.5	96.1	96.5	96.5	96.6	96.6	96.6	96.6
94.9	95.3	96.8	97.6	98.1	98.1	98.2	98.3	98.3	98.3
94.9	95.9	97.3	98.3	98.7	98.7	98.9	99.0	99.1	99.1
95.0	95.9	97.5	98.7	99.2	99.2	99.6	99.7	99.8	99.8
94.9	96.9	97.5	98.7	99.2	99.4	99.7	99.8	99.9	99.9
94.9	95.9	97.5	98.7	99.4	99.5	99.8	99.9	100.0	100.0
94.9	95.9	97.5	98.7	99.4	99.5	99.8	99.9	100.0	100.0

[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAR HOURS: 15-17

CEILING IN HUNDREDS OF FEET / VISIBILITY IN STATUTE MILES	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8	9	10
0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
1	24.4	24.4	24.4	24.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
2	25.4	25.4	25.4	25.4	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
3	25.4	25.4	25.4	25.4	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
4	25.4	25.4	25.4	25.4	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
5	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
6	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
8	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
10	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
11	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
12	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
13	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
14	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
15	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
16	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
17	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
18	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
19	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
20	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
21	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
22	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
23	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
24	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
25	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
26	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
27	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
28	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
29	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
30	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
31	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: MAR HOURS: 18-20

CEILING IN METERS									
	5	35	30	07	05	03	02	01	00
	32	24	20	15	12	10	07	04	00
	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
	35.2	35.4	35.4	35.7	35.7	35.7	35.7	35.7	35.7
	35.2	35.7	35.7	35.7	35.5	35.5	35.5	35.5	35.5
	35.2	35.7	35.7	36.2	35.5	35.5	35.5	35.5	35.5
	35.2	35.7	35.7	36.2	36.5	36.5	36.5	36.5	36.5
	35.2	35.2	35.2	36.5	36.7	36.5	36.5	36.5	36.5
	39.1	39.4	39.4	39.1	39.4	39.4	39.4	39.4	39.4
	39.7	39.5	39.5	39.5	40.0	40.0	40.0	40.0	40.0
	43.5	44.2	44.2	44.5	44.5	44.5	44.5	44.5	44.5
	44.5	45.4	45.4	45.1	46.5	46.5	46.5	46.5	46.5
	46.5	47.4	47.4	47.7	48.1	48.1	48.1	48.1	48.1
	51.7	51.5	51.5	51.5	52.2	52.2	52.2	52.2	52.2
	55.1	55.1	55.1	55.5	55.9	55.9	55.9	55.9	55.9
	55.5	55.5	55.5	57.1	57.4	57.4	57.4	57.4	57.4
	69.7	71.2	71.3	71.5	72.2	72.2	72.2	72.2	72.2
	75.5	76.1	75.2	75.5	77.1	77.1	77.1	77.1	77.1
	77.1	78.7	79.1	79.5	79.9	79.8	79.8	79.8	79.8
	81.1	82.7	82.9	83.4	83.4	83.1	83.4	83.4	83.4
	81.4	82.3	82.9	83.5	83.9	83.9	83.9	83.9	83.9
	86.7	86.5	86.5	87.2	87.5	87.5	87.5	87.5	87.5
	87.3	87.9	87.1	87.7	88.1	88.1	88.1	88.1	88.1
	91.4	91.2	91.3	91.9	91.6	91.5	91.5	91.5	91.5
	92.1	91.3	91.4	92.5	92.7	92.7	92.7	92.7	92.7
	92.4	92.5	92.5	93.4	94.1	94.1	94.1	94.1	94.1
	92.2	92.3	92.9	93.3	94.4	94.4	94.4	94.4	94.4
	91.1	93.7	94.1	94.9	95.8	95.8	95.9	95.9	95.8
	95.4	95.1	95.4	96.9	97.7	97.7	97.8	97.8	97.8
	98.3	98.9	98.5	97.9	98.7	98.9	99.0	99.0	99.0
	98.3	98.9	98.7	98.4	99.2	99.5	99.6	99.6	99.6
	98.1	96.0	97.0	98.5	99.5	99.8	99.9	99.9	99.9
	98.1	96.0	97.0	98.5	99.5	99.8	100.0	100.0	100.0
	98.1	96.0	97.0	98.5	99.5	99.8	100.0	100.0	100.0

OPERATING LOCATION MAP | PERCENTAGE FREQUENCY OF OCCURRENCE OF C
USAFETAC, ASHEVILLE NC | FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] | STATION NAME: UPPER HEYFORD RAF UK | [illegible]
LST TO UTC: - 0 | MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	GE 1[illegible]	GE [illegible]	GE [illegible]	GE 50	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	34.3	34.[illegible]	35.7	37.1	38.1	38.3	39.1	39.2	39.2	39.[illegible]
GE 20000	3[illegible]	37.4	39.2	39.7	40.5	40.9	42.[illegible]	42.3	42.[illegible]	4[illegible]
GE 18000	37.[illegible]	37.[illegible]	39.7	40.1	41.1	41.3	42.[illegible]	42.7	42.9	43.[illegible]
GE 16000	37.3	37.[illegible]	39.7	40.1	41.1	41.3	42.[illegible]	42.7	42.9	43.[illegible]
GE 14000	37.[illegible]	[illegible]	39.9	40.3	41.3	41.5	42.7	42.9	43.1	4[illegible]
GE 12000	37.7	[illegible]	40.1	40.5	41.5	41.7	41.9	43.1	43.[illegible]	4[illegible]
GE 10000	[illegible]	[illegible]	41.3	41.7	42.9	43.1	44.3	44.5	44.[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	42.0	42.5	43.7	43.9	45.1	45.4	[illegible]	[illegible]
GE [illegible]	43.3	[illegible]	4[illegible]	4[illegible]	47.7	[illegible]	47.1	[illegible]	[illegible].1	[illegible]
GE 7000	44.[illegible]	[illegible]	4[illegible].7	47.3	4[illegible]	4[illegible]	50.1	[illegible]	51.1	51.[illegible]
GE 6000	44.7	[illegible]	47.[illegible]	4[illegible]	49.5	49.7	51.3	51.4	51.[illegible]	5[illegible]
GE 5000	4[illegible]	[illegible]	5[illegible]	5[illegible]	54.4	54.[illegible]	5[illegible]	5[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	[illegible].1	[illegible].7.[illegible]	53.9	[illegible].1	[illegible]	51.3	51.[illegible]	[illegible]
GE 4000	[illegible]	[illegible]	[illegible]	[illegible]1.3	53.[illegible]	53.2	54.7	[illegible].4	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	[illegible]1.[illegible]	53.1	54.9	58.2	67.0	[illegible]	[illegible]	[illegible]
GE 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	7[illegible]	71.[illegible]	72.4	7[illegible]
GE 2500	[illegible]	[illegible]1.1	[illegible]7.1	[illegible]	70.4	71.2	7[illegible].2	74.3	74.[illegible]	[illegible]
GE 2000	[illegible]	[illegible]	[illegible].7	71.[illegible]	73.9	74.2	75.2	77.3	77.[illegible]	[illegible]
GE 1800	[illegible].1	[illegible].1	7[illegible]	72.3	74.[illegible]	7[illegible]	77.2	7[illegible]	7[illegible]	7[illegible]
GE 1500	[illegible]	[illegible].1	73.1	74.[illegible]	77.7	78.[illegible]	[illegible]	31.9	32.5	[illegible]
GE 1200	[illegible]7.[illegible]	[illegible].1	75.7	77.[illegible]	[illegible].4	[illegible]1.[illegible]	[illegible]3.[illegible]	[illegible]	[illegible].4	[illegible]
GE 1000	[illegible]	[illegible]	7[illegible]	79.4	32.[illegible]	33.9	[illegible]	[illegible].1	[illegible].7	[illegible]
GE 900	[illegible].7	[illegible]	7[illegible]	[illegible].3	33.3	34.4	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]
GE 800	[illegible]	[illegible]	79.1	31.2	34.5	35.7	[illegible]	90.[illegible]	31.[illegible]	[illegible]
GE 700	[illegible]	70.1	79.[illegible]	31.[illegible]	34.9	36.1	39.4	91.4	92.3	[illegible]
GE 600	[illegible]	7[illegible]	[illegible]	32.[illegible]	35.4	[illegible].7	90.1	92.2	93.3	[illegible]
GE 500	7[illegible]	71.1	[illegible]	33.0	35.7	[illegible]	92.2	94.3	[illegible]	[illegible]
GE 400	7[illegible]	71.1	[illegible]	33.0	36.[illegible]	[illegible]	92.5	94.9	96.[illegible]	97.[illegible]
GE 300	70.0	71.1	31.0	33.1	37.0	38.7	92.5	95.5	97.2	97.7
GE 200	70.0	71.1	31.0	33.1	37.0	38.7	92.[illegible]	95.[illegible]	97.4	[illegible]
GE 100	70.0	71.1	31.0	33.1	37.0	88.7	92.8	95.6	97.4	[illegible]
GE 000	70.0	71.1	31.0	33.1	37.0	88.7	[illegible]	95.6	97.4	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: MAR HOURS: 21-23

ILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
.	39.1	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4
.	42.0	42.3	42.5	42.5	43.1	43.1	43.1	43.1	43.1	43.1
.	42.5	42.7	42.9	43.2	43.5	43.5	43.5	43.5	43.5	43.5
.	42.5	42.7	42.9	43.2	43.5	43.5	43.5	43.5	43.5	43.5
.	42.7	42.9	43.1	43.4	43.8	43.8	43.8	43.8	43.8	43.8
.	42.9	43.1	43.3	43.7	44.0	44.0	44.0	44.0	44.0	44.0
.	44.3	44.5	44.8	45.2	45.5	45.5	45.5	45.5	45.5	45.5
.	45.1	45.4	45.6	45.9	46.2	46.2	46.2	46.2	46.2	46.2
.	49.1	49.5	50.1	50.4	50.8	50.8	50.8	50.8	50.8	50.8
.	50.1	50.5	51.1	51.4	51.7	51.7	51.7	51.7	51.7	51.7
.	51.0	51.4	51.9	52.3	52.6	52.6	52.6	52.6	52.6	52.6
.	56.0	56.3	56.9	57.2	57.5	57.5	57.5	57.5	57.5	57.5
.	60.6	61.3	61.8	62.2	62.5	62.5	62.5	62.5	62.5	62.5
.	64.7	65.4	65.9	66.2	66.6	66.6	66.6	66.6	66.6	66.6
.	67.0	68.0	68.5	69.0	69.2	69.2	69.2	69.2	69.2	69.2
.	70.8	71.8	72.4	72.8	73.1	73.1	73.1	73.1	73.1	73.1
.	73.2	74.3	74.8	75.3	75.6	75.6	75.6	75.6	75.6	75.6
.	75.2	77.3	77.8	78.3	78.6	78.6	78.6	78.6	78.6	78.6
.	77.2	78.3	78.8	79.2	79.6	79.6	79.6	79.6	79.6	79.6
.	80.9	81.9	82.5	82.9	83.2	83.2	83.2	83.2	83.2	83.2
.	83.8	84.8	85.4	85.8	86.1	86.1	86.1	86.1	86.1	86.1
.	88.2	89.1	89.7	89.1	89.5	89.5	89.5	89.5	89.5	89.5
.	87.4	89.3	89.5	89.9	90.2	90.2	90.2	90.2	90.2	90.2
.	91.2	90.8	91.5	92.2	92.5	92.5	92.5	92.5	92.5	92.5
.	89.4	91.4	92.3	92.8	93.3	93.3	93.3	93.3	93.3	93.3
.	90.1	92.2	93.3	93.9	94.4	94.4	94.4	94.4	94.4	94.4
.	92.2	94.3	95.5	96.0	96.8	96.8	96.9	96.9	96.9	96.9
.	92.5	94.8	96.6	97.1	97.5	97.5	98.0	98.0	98.0	98.0
.	92.8	95.5	97.2	97.7	98.5	98.7	98.8	98.8	98.8	98.8
.	92.9	95.6	97.4	98.2	99.0	99.2	99.4	99.4	99.5	99.5
.	92.8	95.6	97.4	98.2	99.1	99.4	99.6	99.7	100.0	100.0
.	92.8	95.6	97.4	98.2	99.1	99.4	99.6	99.7	100.0	100.0

OPERATING LOCATION WAW
WRIGHTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM JULY OBSERVATIONS

STATION NUMBER: 53763 STATION NAME: JOPER HEXFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	2C 112	3F	4F	5E 50	6E 48	8E 40	9E 32	12E 24	16E 20	1
NO CEIL	21.9	21.9	23.7	24.8	25.6	26.0	26.6	26.9	27.0	27.
3E 20000	26.2	26.4	27.5	28.2	29.7	30.2	31.0	31.4	31.6	31.
3E 18000	25.6	26.7	27.6	28.6	30.1	30.6	31.3	31.7	31.9	32.
3E 16000	25.6	26.7	27.6	28.6	30.1	30.6	31.3	31.7	31.9	32.
3E 14000	25.6	26.7	27.9	28.7	30.2	30.7	31.4	31.9	32.1	32.
3E 12000	25.9	26.1	27.3	29.1	30.6	31.1	31.9	32.3	32.4	32.
3E 10000	27.4	27.7	29.1	30.9	32.7	33.2	34.0	34.5	34.7	35.
3E 9000	27.1	27.4	29.0	31.7	33.4	33.9	34.7	35.2	35.4	35.
3E 8000	30.7	31.0	32.6	34.5	36.5	37.0	37.9	38.4	38.6	38.
3E 7000	31.2	31.5	33.4	35.4	37.4	38.0	38.9	39.5	39.7	40.
3E 6000	31.7	32.0	33.9	36.2	38.2	38.9	39.7	40.2	40.4	41.
3E 5000	34.7	35.1	37.6	39.7	42.1	42.7	43.5	44.3	44.5	44.
3E 4500	36.3	36.7	38.9	41.2	43.7	44.3	45.3	46.1	46.3	46.
3E 4000	42.3	42.7	44.9	47.2	49.8	50.4	51.4	52.3	52.5	53.
3E 3500	46.3	46.7	48.9	51.4	53.8	54.5	55.7	56.7	56.9	57.
3E 3000	48.3	48.7	50.9	53.4	55.8	56.5	57.7	58.7	58.9	59.
3E 2500	52.2	52.6	54.7	57.3	59.8	60.5	61.7	62.7	62.9	63.
3E 2000	54.3	54.8	56.9	59.6	62.2	63.0	64.3	65.3	65.5	66.
3E 1800	55.2	55.6	57.8	60.5	63.1	63.9	65.2	66.2	66.4	67.
3E 1600	57.5	57.9	60.1	62.8	65.5	66.3	67.6	68.7	68.9	69.
3E 1400	58.7	59.2	61.4	64.3	67.1	67.9	69.3	70.4	70.6	71.
3E 1200	60.2	60.6	62.9	65.8	68.7	69.5	70.9	72.1	72.3	73.
3E 1000	62.2	62.7	65.0	68.0	71.0	71.9	73.4	74.6	74.8	75.
3E 900	63.3	63.8	66.2	69.3	72.4	73.3	74.8	76.0	76.2	77.
3E 800	64.5	65.0	67.4	70.6	73.8	74.7	76.2	77.4	77.6	78.
3E 700	65.9	66.4	68.8	72.0	75.2	76.1	77.6	78.8	79.0	79.
3E 600	67.6	68.1	70.5	73.8	77.0	77.9	79.4	80.6	80.8	81.
3E 500	69.5	70.0	72.4	75.7	79.0	79.9	81.4	82.6	82.8	83.
3E 450	70.5	71.0	73.4	76.7	80.0	80.9	82.4	83.6	83.8	84.
3E 400	71.6	72.1	74.5	77.8	81.1	82.0	83.5	84.7	84.9	85.
3E 350	72.8	73.3	75.7	79.0	82.3	83.2	84.7	85.9	86.1	86.
3E 300	74.2	74.7	77.1	80.4	83.7	84.6	86.1	87.3	87.5	88.
3E 250	75.8	76.3	78.7	82.0	85.3	86.2	87.7	88.9	89.1	89.
3E 200	77.8	78.3	80.7	84.0	87.3	88.2	89.7	90.9	91.1	91.
3E 150	80.2	80.7	83.1	86.4	89.7	90.6	92.1	93.3	93.5	94.
3E 100	81.2	81.7	84.1	87.4	90.7	91.6	93.1	94.3	94.5	95.
3E 50	81.2	81.7	84.1	87.4	90.7	91.6	93.1	94.3	94.5	95.
3E 0	81.2	81.7	84.1	87.4	90.7	91.6	93.1	94.3	94.5	95.

TOTAL NUMBER OF OBSERVATIONS 7439

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HAYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 86
MONTH: MAR HOURS: ALL

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
26.0	26.5	26.9	27.0	27.2	27.4	27.4	27.5	27.5	27.7	27.8
30.2	31.0	31.4	31.6	31.9	32.1	32.2	32.3	32.3	32.4	32.5
30.5	31.3	31.8	31.9	32.2	32.5	32.5	32.6	32.7	32.8	33.0
30.5	31.3	31.8	31.9	32.2	32.5	32.5	32.7	32.7	32.8	33.0
30.7	31.4	31.9	32.1	32.4	32.6	32.7	32.8	32.9	32.9	33.1
31.1	31.8	32.3	32.4	32.7	33.0	33.0	33.1	33.2	33.3	33.5
33.2	34.0	34.5	34.7	35.0	35.2	35.3	35.4	35.4	35.5	35.7
33.9	34.7	35.2	35.4	35.7	36.0	36.0	36.1	36.2	36.3	36.4
37.0	37.9	38.4	38.6	39.1	39.2	39.3	39.4	39.5	39.6	39.7
39.9	39.9	39.5	39.7	40.0	40.3	40.4	40.5	40.5	40.6	40.8
39.6	39.7	40.2	40.4	40.7	41.1	41.2	41.3	41.3	41.4	41.6
42.7	43.5	44.3	44.5	44.9	45.2	45.4	45.5	45.5	45.6	45.9
47.3	48.7	49.5	49.8	50.2	50.6	50.7	50.8	50.9	51.0	51.2
53.9	55.7	56.6	56.9	56.4	55.7	55.8	55.9	56.1	56.2	56.4
57.3	58.2	59.1	59.5	60.1	60.4	60.5	60.7	60.7	60.8	61.1
62.9	64.2	65.2	65.6	66.2	66.5	66.5	66.8	66.8	66.9	67.2
69.5	70.3	69.1	69.5	70.1	70.4	70.5	70.7	70.8	70.9	71.1
73.7	73.2	73.3	73.8	74.4	74.8	74.9	75.0	75.1	75.2	75.5
71.5	73.2	74.3	74.7	75.4	75.7	75.8	76.0	76.1	76.2	76.4
79.7	77.5	78.7	79.2	79.8	80.2	80.3	80.5	80.6	80.7	81.0
82.2	80.1	81.3	81.8	82.5	83.0	83.1	83.3	83.4	83.5	83.7
84.9	82.7	84.1	84.7	85.5	86.0	86.1	86.3	86.4	86.5	86.8
81.3	83.6	85.2	85.5	86.7	87.1	87.3	87.5	87.6	87.7	87.9
87.5	86.3	86.7	87.4	88.4	88.9	89.0	89.2	89.3	89.4	89.7
89.6	88.0	88.0	88.7	89.8	90.4	90.5	90.7	90.8	90.9	91.2
91.5	87.2	89.1	90.2	91.5	92.1	92.2	92.5	92.6	92.7	92.9
94.1	94.1	91.4	92.6	94.1	94.9	95.0	95.3	95.4	95.5	95.8
93.4	92.6	92.1	93.5	95.1	96.0	96.2	96.5	96.6	96.8	97.1
93.5	93.7	92.4	94.0	95.9	96.9	97.2	97.6	97.8	98.0	98.4
94.8	90.7	92.5	94.2	95.2	97.3	97.7	98.1	98.5	98.8	99.3
93.5	89.7	92.5	94.2	96.2	97.4	97.9	98.3	98.7	99.3	100.0
93.5	89.7	92.5	94.2	96.2	97.4	97.9	98.3	98.7	99.3	100.0

OPERATIONS EVALUATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM ASSIGNED OBSERVATI

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HAYFORK RAP NC
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	11	[illegible]	[illegible]	[illegible]	37	46	32	24	[illegible]	1
NO CEIL	37.6	[illegible]	44.[illegible]	45.6	47.2	47.9	[illegible]	49.[illegible]	[illegible]	[illegible]
[illegible]	41.[illegible]	41.[illegible]	47.9	47.[illegible]	52.2	52.9	53.7	54.9	54.9	[illegible]
[illegible]	41.[illegible]	41.[illegible]	47.9	47.[illegible]	52.2	52.9	53.7	54.0	54.9	[illegible]
[illegible]	41.[illegible]	41.[illegible]	47.3	47.3	52.2	52.[illegible]	53.7	54.[illegible]	54.[illegible]	[illegible]
14000	41.1	41.[illegible]	47.[illegible]	47.9	52.3	53.2	53.8	54.1	54.1	[illegible]
12000	41.[illegible]	41.1	47.2	50.1	52.6	53.7	54.[illegible]	54.8	54.8	[illegible]
[illegible]	43.[illegible]	43.[illegible]	49.[illegible]	51.[illegible]	54.[illegible]	55.1	55.1	55.4	[illegible]	[illegible]
[illegible]	43.4	43.[illegible]	49.[illegible]	51.[illegible]	54.2	55.1	[illegible]	55.4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.2	53.1	53.1	[illegible]	[illegible]	[illegible]
7000	45.2	47.[illegible]	54.3	54.3	58.1	60.0	61.1	61.[illegible]	61.[illegible]	61
[illegible]	45.[illegible]	47.7	56.[illegible]	57.[illegible]	59.[illegible]	60.7	[illegible]	62.8	62.8	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	62.[illegible]	63.7	[illegible]	65.7	65.7	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	63.5	67.1	68.4	[illegible]	[illegible]	[illegible]	71
4000	[illegible]	[illegible]	[illegible]	[illegible]	72.[illegible]	72.4	74.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.[illegible]	74.7	[illegible]	77.[illegible]	77.[illegible]	77
3000	[illegible]	[illegible]	[illegible]	72.[illegible]	75.3	76.1	76.7	[illegible]	[illegible]	
[illegible]	[illegible]	61.1	71.1	74.1	78.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	72.[illegible]	75.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1 [illegible]	[illegible]	[illegible]	73.[illegible]	76.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1500	[illegible]	[illegible]	74.4	77.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1200	[illegible]	[illegible]	75.[illegible]	79.[illegible]	[illegible]	[illegible]	87.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	76.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	77.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	78.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
800	[illegible]	[illegible]	78.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
700	[illegible]	[illegible]	78.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
600	[illegible]	[illegible]	79.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	79.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
500	[illegible]	[illegible]	79.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
400	[illegible]	[illegible]	79.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
300	[illegible]	[illegible]	79.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
200	[illegible]	[illegible]	79.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
100	[illegible]	[illegible]	79.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	79.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 78 - JUN 84
MONTH: APR HOURS: 00-02

CEILING IN METERS	VIS GE 32	VIS GE 24	VIS GE 20	VIS GE 16	VIS GE 12	VIS GE 10	VIS GE 08	VIS GE 06	VIS GE 04	VIS GE 00
	[illegible].7	49.0	49.0	49.3	49.3	49.3	49.3	49.4	49.4	49.4
	53.7	54.0	54.0	54.3	54.5	54.6	54.7	54.8	54.8	54.8
	53.7	54.0	54.0	54.3	54.5	54.6	54.7	54.8	54.8	54.8
	53.7	54.0	54.0	54.3	54.5	54.6	54.7	54.8	54.8	54.8
	53.8	54.1	54.1	54.4	54.7	54.7	54.8	54.9	54.9	54.9
	54.0	54.3	54.3	54.7	54.9	54.9	55.0	55.1	55.1	55.1
	[illegible].1	56.4	56.4	56.8	57.0	57.0	57.1	57.2	57.2	57.2
	[illegible].1	56.4	56.4	56.8	57.0	57.0	57.1	57.2	57.2	57.2
	60.1	60.5	60.5	60.9	61.1	61.1	61.2	61.3	61.3	61.3
	61.1	61.5	61.6	61.9	62.1	62.1	62.2	62.3	62.3	62.3
	61.9	62.3	62.3	62.7	62.9	62.9	63.0	63.1	63.1	63.1
	65.9	66.7	66.7	66.1	66.3	66.3	66.4	66.5	66.5	66.5
	70.3	70.5	70.5	71.0	71.3	71.3	71.4	71.5	71.5	71.5
	74.0	74.3	74.5	75.2	75.5	75.6	75.8	75.9	75.9	75.9
	76.2	77.0	77.0	77.4	77.8	77.8	78.0	78.1	78.1	78.1
	79.7	80.4	80.4	80.9	81.2	81.2	81.4	81.5	81.5	81.6
	81.[illegible]	82.5	82.5	83.0	83.3	83.3	83.6	83.7	83.7	83.7
	83.5	84.4	84.4	84.9	85.2	85.2	85.4	85.6	85.6	85.6
	84.[illegible]	84.9	84.9	85.3	85.7	85.7	85.9	86.0	86.0	86.0
	86.2	86.9	86.9	87.3	87.7	87.7	87.9	88.0	88.0	88.0
	87.1	88.0	88.1	88.5	88.9	88.9	89.1	89.2	89.2	89.2
	89.9	90.7	90.1	90.5	90.9	90.9	91.1	91.2	91.2	91.2
	90.7	90.5	91.0	91.4	91.8	91.8	92.0	92.1	92.1	92.1
	91.7	92.9	93.3	93.8	94.2	94.2	94.4	94.5	94.5	94.6
	92.1	93.4	93.9	94.3	94.8	94.8	95.0	95.1	95.1	95.1
	92.6	93.9	94.3	94.8	95.2	95.2	95.4	95.5	95.6	95.6
	94.2	95.9	96.5	97.0	97.4	97.4	97.7	97.8	97.8	97.8
	94.2	96.3	97.3	97.8	98.5	98.5	98.8	98.9	98.9	98.9
	95.1	97.1	98.1	98.6	99.3	99.4	99.7	99.8	99.8	99.8
	95.1	97.1	98.2	98.7	99.4	99.6	99.9	100.0	100.0	100.0
	95.1	97.1	98.2	98.7	99.4	99.5	99.9	100.0	100.0	100.0
	95.1	97.1	98.2	98.7	99.4	99.5	99.9	100.0	100.0	100.0

OPERATING LOCATION: WAW
USAFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM 40 HOURLY OBSERVATIONS

STATION NUMBER: 93553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET					VISIBILITY IN METERS					
	11	3	1	0	5	4	3	2	1	0
0 CEIL	29.2	31.4	33.1	32.2	36.9	37.2	38.9	38.5	38.2	38.7
0 22000	3 .2	32.9	34.0	35.1	41.1	41.7	42.7	43.7	44.1	44.1
0 18000	3 .2	32.9	34.0	35.1	41.1	41.7	42.7	43.7	44.1	44.1
0 16000	32.7	32.9	34.0	35.1	41.1	41.7	42.7	43.7	44.1	44.1
0 14000	32.7	32.9	34.1	35.2	41.2	41.3	42.3	43.3	44.2	44.2
0 12000	32.1	32.9	34.0	35.7	41.7	42.2	43.3	44.3	44.7	45.1
0 10000	34.6	36.3	38.3	39.5	43.7	44.2	45.3	46.3	46.7	47.4
0 9000	35.2	36.1	38.0	39.7	43.3	44.3	45.4	46.4	46.9	47.3
0 8000	34.2	35.7	37.8	42.1	47.7	48.3	49.7	50.7	51.3	51.8
0 7000	38.5	39.4	40.1	42.1	47.4	48.0	49.5	51.7	52.2	52.4
0 6000	38.1	39.4	40.7	43.3	49.2	49.9	51.4	52.6	53.6	54.3
0 5000	38.1	37.1	44.3	48.7	53.5	53.4	54.2	55.7	57.4	.1
0 4500	38.5	39.5	45.7	49.4	54.9	55.9	56.9	57.5	58.2	61.1
0 4000	41.1	41.1	48.2	53.1	58.7	61.0	63.4	64.1	64.1	64.1
0 3500	43.3	44.2	52.7	58.7	63.5	64.3	66.3	67.6	68.2	72.1
0 3000	45.3	46.3	54.1	59.2	65.4	67.3	70.2	72.2	72.7	76.4
0 2500	47.4	48.5	55.4	63.5	67.3	69.3	71.3	73.7	74.3	78.1
0 2200	48.3	49.4	58.3	64.3	69.9	71.5	74.1	76.9	77.7	79.4
0 2000	48.3	49.5	58.7	65.4	70.7	72.3	75.5	77.7	78.4	79.1
0 1800	51.3	51.7	61.3	66.9	73.7	75.6	78.1	80.9	81.7	82.4
0 1600	52.1	52.4	61.4	66.1	74.3	76.9	80.1	82.2	83.9	83.9
0 1400	52.4	53.2	62.8	67.2	75.5	78.3	81.3	83.7	84.4	85.2
0 1200	53.4	54.1	63.7	69.3	75.9	79.2	82.5	84.9	85.7	86.4
0 1000	54.3	54.7	64.3	69.2	78.7	81.3	84.5	86.7	87.4	88.1
0 900	54.3	55.1	65.5	70.1	79.3	82.3	85.4	87.4	88.1	88.8
0 800	54.3	55.1	65.5	70.1	79.3	82.3	85.2	87.1	87.9	88.6
0 700	55.4	56.5	66.4	71.2	82.0	84.6	87.4	89.2	89.9	90.6
0 600	55.4	56.5	66.6	71.3	82.2	84.8	87.1	89.2	89.9	90.7
0 500	55.4	56.9	66.6	71.3	82.2	84.9	87.7	89.2	89.9	90.7
0 400	55.4	56.9	66.6	71.3	82.2	84.9	87.7	89.2	89.9	90.7
0 300	55.4	56.9	66.6	71.3	82.2	84.9	87.7	89.2	89.9	90.7

TOTAL NUMBER OF OBSERVATIONS 709

TAC FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

OXFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: APR HOURS: 03-05

CEILING IN METERS

VV	GE 45	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
7.0	33.0	38.3	39.0	39.7	39.8	39.8	39.9	39.9	40.2	40.3	
41.7	42.7	43.7	44.1	44.8	44.9	44.9	45.1	45.1	45.5	46.0	
41.7	42.7	43.7	44.1	44.8	44.9	44.9	45.1	45.1	45.5	46.0	
41.7	42.7	43.7	44.1	44.8	44.9	44.9	45.1	45.1	45.6	46.0	
42.2	42.8	43.8	44.2	44.9	45.0	45.0	45.2	45.2	45.7	46.1	
42.2	43.3	44.3	44.8	45.4	45.5	45.5	45.8	45.8	46.2	46.7	
44.2	43.3	44.2	46.9	47.4	47.5	47.6	47.8	47.8	48.2	48.7	
44.3	45.4	46.4	46.9	47.6	47.7	47.7	47.9	47.9	48.3	48.8	
48.3	49.7	50.6	51.3	52.0	52.1	52.1	52.3	52.3	52.9	53.4	
49.0	50.5	51.7	52.2	52.9	53.0	53.0	53.2	53.2	53.8	54.3	
49.9	51.4	52.9	53.6	54.2	54.3	54.3	54.6	54.6	55.1	55.7	
54.4	55.2	56.7	57.3	58.1	58.2	58.2	58.4	58.4	59.0	59.6	
56.3	58.0	59.6	60.2	61.0	61.1	61.1	61.3	61.3	61.9	62.4	
61.0	63.4	65.1	65.8	66.6	66.7	66.7	66.9	66.9	67.4	68.0	
66.2	68.3	69.6	69.2	70.0	70.1	70.1	70.3	70.3	70.9	71.4	
70.5	72.2	73.0	72.7	73.4	73.6	73.6	73.8	73.8	74.4	75.0	
71.0	71.3	73.7	74.3	75.1	75.2	75.2	75.4	75.4	76.1	76.7	
73.5	74.2	76.9	77.7	78.4	78.5	78.5	78.7	78.7	79.4	80.0	
77.3	78.5	77.7	79.4	79.2	79.3	79.3	79.5	79.5	80.2	80.8	
80.6	78.9	80.0	81.7	82.4	82.6	82.7	83.0	83.0	83.7	84.2	
78.9	80.1	82.2	83.0	83.8	83.9	84.0	84.3	84.3	85.0	85.6	
82.0	81.5	83.7	84.4	85.2	85.3	85.4	85.7	85.9	86.6	87.1	
84.2	82.5	84.9	85.7	86.4	86.6	86.7	87.0	87.1	87.8	88.3	
1.0	84.5	85.7	87.4	88.2	88.3	88.4	88.8	88.9	89.6	90.1	
88.2	88.5	88.8	89.1	89.9	90.0	90.1	90.4	90.5	91.2	91.8	
89.8	89.2	89.1	89.9	90.8	90.9	91.0	91.3	91.4	92.1	92.7	
93.0	93.3	92.2	93.0	93.9	94.4	94.5	94.9	95.0	95.7	96.2	
94.5	93.1	93.2	94.3	95.2	96.1	96.2	96.6	96.7	97.3	97.9	
94.9	93.7	94.1	95.2	96.4	97.4	97.5	97.9	98.1	98.8	99.3	
94.9	93.7	94.2	95.6	96.8	98.0	98.1	98.4	98.7	99.3	99.9	
94.9	93.7	94.2	95.6	96.8	98.0	98.1	98.4	98.7	99.3	100.0	
94.9	93.7	94.2	95.6	96.8	98.0	98.1	98.4	98.7	99.3	100.0	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE F
FOR MONTHLY OBSERVATIO

STATION NUMBER: 33653 STATION NAME: UPPER HEYFORD RAF (C
LST TO UTC: - 0

MONT

CEILING IN FEET	VISIBILITY IN METERS									
	11	9	8	6	4	3	2	1	1/2	1/4
NO CEIL	17.9	17.9	23.3	24.4	27.5	29.2	29.3	30.3	30.9	31.
20000	20.7	20.7	21.0	24.7	32.4	33.5	35.0	35.7	35.9	36.
15000	21.4	21.4	21.2	24.9	32.7	33.3	35.2	35.5	37.1	37.
10000	21.9	21.9	21.2	24.9	32.7	33.5	35.2	35.5	37.1	37.
6000	22.4	22.4	23.2	24.9	32.7	33.7	35.2	35.5	37.1	37.
5000	21.1	21.1	23.0	24.2	33.1	34.4	36.9	37.2	37.7	38.
4000	22.2	22.2	24.2	31.2	35.4	36.2	38.2	39.4	40.3	41.
3500	22.4	22.4	23.2	31.6	35.7	37.1	39.5	40.1	40.7	41.
3000	24.1	24.2	27.7	34.3	38.3	40.4	41.7	42.7	44.2	45.
2500	24.1	24.4	33.4	38.3	42.2	43.5	43.1	44.4	45.7	47.
2000	25.4	25.6	34.6	39.1	41.2	43.6	44.4	45.5	47.4	48.
1800	25.4	25.6	37.3	39.3	44.3	45.1	47.4	48.5	50.7	52.
1600	27.7	28.4	41.5	42.3	47.6	49.7	51.2	53.5	54.7	56.
1400	32.3	33.5	44.2	46.1	51.4	54.3	56.5	58.3	59.5	60.
1200	33.9	35.	46.1	48.5	53.4	56.5	57.5	60.3	61.5	63.
1000	36.1	37.3	48.2	50.4	57.4	60.5	62.1	64.9	66.7	67.
900	37.3	37.6	51.1	53.3	60.9	64.1	65.5	68.4	69.7	70.
800	39.1	39.5	54.1	56.5	62.2	66.4	67.2	70.1	71.7	73.
700	43.7	44.3	55.3	57.4	63.1	66.3	69.1	71.9	73.4	74.
600	45.3	45.1	57.1	59.9	67.1	70.6	72.1	75.4	77.1	78.
500	48.5	48.7	59.5	62.3	69.7	72.1	74.2	77.2	78.5	80.
400	49.9	50.1	61.9	64.1	70.4	74.3	75.1	77.2	78.9	80.
300	49.	49.1	61.3	64.5	70.9	74.7	75.9	78.3	81.7	83.
200	49.2	49.5	62.1	65.9	72.7	76.7	77.2	79.4	81.1	82.
100	49.7	49.9	62.7	66.5	73.7	77.7	78.3	80.3	82.4	83.
000	49.7	49.9	62.7	66.5	74.0	78.3	81.1	84.4	86.3	87.
300	49.7	49.9	63.1	67.2	74.5	78.3	82.1	85.2	87.2	88.
400	49.7	49.9	63.3	67.4	75.0	79.8	82.5	85.	88.9	91.
500	49.7	49.9	63.3	67.4	75.0	79.8	82.7	87.0	89.1	91.
600	49.7	49.9	63.3	67.4	75.0	79.8	82.7	87.0	89.3	91.
800	49.7	49.9	63.3	67.4	75.0	79.8	82.7	87.0	89.4	91.
900	49.7	49.9	63.3	67.4	75.0	79.8	82.7	87.0	89.4	91.

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: APR HOURS: 06-09

ILITY IN METERS GE 48	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
29.3	30.3	30.9	31.7	32.2	32.2	32.2	32.4	32.4	33.0
35.2	36.2	36.8	37.6	38.1	38.7	38.7	39.2	39.2	39.8
35.2	36.6	37.1	38.2	38.8	38.9	38.9	39.4	39.4	40.0
35.2	36.6	37.1	38.2	38.8	38.9	38.9	39.4	39.4	40.0
35.2	36.6	37.1	38.2	38.8	38.9	38.9	39.4	39.4	40.0
35.9	37.2	37.8	38.9	39.4	39.7	39.7	40.2	40.2	40.8
41.2	42.2	42.8	41.4	42.0	42.2	42.2	42.8	42.8	43.3
41.6	43.1	43.7	41.8	42.3	42.6	42.6	43.1	43.1	43.7
43.7	43.7	44.2	45.3	45.9	46.1	46.1	46.8	47.0	47.7
48.3	48.9	49.7	47.0	47.6	47.9	48.0	48.7	48.9	49.7
49.4	49.6	47.4	48.3	49.4	49.6	49.9	50.6	50.8	51.7
47.6	48.2	52.7	52.0	52.7	53.2	53.1	53.8	54.0	54.9
51.2	53.6	54.8	56.1	56.8	57.1	57.2	58.0	58.3	59.2
50.0	53.3	55.3	50.8	51.4	51.8	51.9	52.7	53.0	53.9
57.6	58.3	61.6	63.0	63.7	64.0	64.1	64.9	65.2	66.1
62.1	64.9	66.2	67.4	68.4	68.8	69.0	69.3	70.1	71.0
69.0	66.8	67.7	69.2	69.9	70.2	70.4	71.2	71.6	72.4
67.2	72.1	71.7	73.2	74.3	74.7	74.9	75.7	76.0	76.9
69.1	71.3	72.6	74.1	75.2	75.6	75.8	76.6	76.9	77.8
72.0	75.4	77.0	78.7	79.6	80.1	80.3	81.1	81.4	82.3
74.2	77.2	78.9	80.6	81.7	82.2	82.4	83.2	83.6	84.4
76.1	78.2	80.0	82.0	83.0	84.4	84.7	85.4	85.8	86.7
75.9	80.0	81.7	83.6	84.7	85.2	85.4	86.2	86.6	87.4
79.2	82.4	84.1	86.0	87.1	87.7	87.9	88.7	89.0	89.9
80.3	83.7	85.4	87.3	88.4	89.0	89.2	90.0	90.3	91.2
81.1	84.4	86.3	88.2	89.3	89.9	90.1	90.9	91.2	92.1
91.1	89.2	90.2	90.2	92.2	92.8	93.0	93.6	94.1	95.0
92.0	90.0	90.9	91.1	93.3	94.0	94.2	95.0	95.3	96.2
92.7	87.0	89.1	91.4	93.8	94.4	94.8	95.6	95.9	96.8
92.7	87.0	89.3	91.7	94.2	95.1	95.8	97.2	97.7	99.0
92.7	87.0	89.4	91.8	94.3	95.2	95.9	97.4	98.0	100.0
92.7	87.0	89.4	91.8	94.3	95.2	95.9	97.4	98.0	100.0

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
[illegible] HOURLY OBSERVATI[illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible]

CEILING IN FEET	VISIBILITY IN METERS									
	110[illegible]	[illegible]	[illegible]	6[illegible]	[illegible]	40[illegible]	[illegible]	24[illegible]	[illegible]	1[illegible]
NO CEIL	19.[illegible]	1[illegible]	22.1	23.[illegible]	24.[illegible]	25.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	29.[illegible]	32.5	33.1	[illegible]	[illegible]	[illegible]	[illegible]
GE 1[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	32.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1[illegible]	[illegible]	[illegible]	[illegible].7	30.[illegible]	3[illegible].7	33.2	[illegible]	[illegible]	[illegible]	[illegible]
GE 14[illegible]	[illegible]	24.	[illegible].7	3[illegible]	3[illegible]	33.[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]
GE 12[illegible]	[illegible]	[illegible]	[illegible].1	[illegible].4	32.3	33.[illegible]	[illegible]	[illegible]	34.[illegible]	[illegible]
GE 1[illegible]	[illegible].1	[illegible]	[illegible]	32.2	35.3	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]
[illegible]	[illegible].1	[illegible].1	31.[illegible]	32.3	35.4	[illegible]	[illegible]	37.1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	33.[illegible]	[illegible]	33.7	39.2	[illegible].7	[illegible].4	[illegible]	[illegible]
GE 7[illegible]	[illegible].7	[illegible]	[illegible].4	[illegible]	40.4	41.[illegible]	41.7	42.4	42.[illegible]	[illegible]
GE [illegible]	[illegible].7	[illegible]	[illegible].7	[illegible]	41.[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]
GE [illegible]	[illegible].7	[illegible]	[illegible]	41.4	44.[illegible]	[illegible]	[illegible]	[illegible].3	[illegible]	[illegible]
GE 4[illegible]	[illegible]	[illegible].1	[illegible].1	[illegible]	49.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible].3	[illegible]	[illegible]	[illegible]
GE 3[illegible]	[illegible]	[illegible].7	[illegible]	[illegible].4	[illegible].7	61.1	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.5	72.[illegible]	7[illegible]	74.[illegible]	74.[illegible]	7[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.	7[illegible]	7[illegible]	7[illegible]	[illegible].7	[illegible]
[illegible]	67.7	[illegible]	[illegible]	71.[illegible]	76.4	77.[illegible]	7[illegible].7	[illegible]	[illegible]	[illegible]
GE 1[illegible]	[illegible]	[illegible]	[illegible]	72.[illegible]	77.[illegible]	7[illegible]	7[illegible]	[illegible]	[illegible]	[illegible]
GE 1[illegible]	[illegible].1	[illegible]	72.	76.7	[illegible].4	[illegible]	[illegible]	[illegible]	[illegible].1	7[illegible]
GE 1[illegible]	[illegible].7	[illegible]	73.[illegible]	7[illegible]	[illegible].4	[illegible]	[illegible]7.1	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible].1	[illegible]	74.[illegible]	7[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	75.1	[illegible]	87.[illegible]	[illegible]	[illegible]	[illegible]1.7	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	75.7	[illegible]	87.[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]
GE 7[illegible]	[illegible].7	[illegible]	76.1	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible].3	[illegible]	[illegible]
GE [illegible]	[illegible].7	[illegible]	76.4	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible].7	[illegible].4	76.4	[illegible].3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]7
GE 4[illegible]	[illegible].7	[illegible].4	76.[illegible]	[illegible].3	[illegible]	[illegible].1	[illegible]	[illegible].3	[illegible]7.1	[illegible]7
GE [illegible]	[illegible].7	[illegible].4	76.4	82.3	[illegible]	[illegible].1	[illegible]	[illegible].3	[illegible]7.1	[illegible]7
GE 200	[illegible].7	[illegible].4	76.4	82.3	[illegible]	92.1	94.[illegible]	[illegible]	97.1	[illegible]7
GE 100	[illegible].7	[illegible].4	76.4	82.3	[illegible]	92.1	94.[illegible]	[illegible]	97.1	[illegible]7
GE [illegible]	[illegible].7	[illegible].4	76.4	[illegible].3	[illegible]	92.1	94.[illegible]	[illegible]	[illegible].1	[illegible]7

TOTAL NUMBER OF OBSERVATIONS 90[illegible]

A/B FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] PAF AK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: 09-11

CEILING IN FEET / VISIBILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
.2	25.[illegible]	25.1	25.2	26.4	26.4	26.4	26.4	26.4	26.4	26.4
.1	33.4	34.2	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3
.2	33.5	34.1	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4
.2	33.5	34.1	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4
.2	33.7	34.2	34.3	34.5	34.5	34.5	34.6	34.6	34.6	34.6
.2	34.2	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1
.3	36.2	37.0	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3
.3	36.3	37.1	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4
.3	39.7	40.4	40.5	40.7	40.8	40.8	40.8	40.8	40.8	40.8
.3	41.7	42.4	42.5	42.7	42.8	42.8	42.8	42.8	42.8	42.8
.4	43.9	44.7	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.4
.4	46.2	47.3	47.4	47.7	47.7	47.7	47.8	47.8	47.8	47.9
.5	49.4	51.4	51.5	52.0	52.0	52.0	52.1	52.1	52.1	52.3
.5	49.7	50.6	50.7	50.9	50.9	50.9	50.4	50.4	50.4	50.7
.5	51.9	53.1	53.4	53.9	53.9	53.9	54.0	54.0	54.0	54.2
.6	73.4	74.2	74.3	74.4	74.4	74.4	74.9	74.9	74.9	75.1
.6	76.4	77.3	77.4	78.1	78.1	78.1	78.2	78.2	78.2	78.4
.7	78.7	79.4	79.5	81.2	81.3	81.3	81.4	81.4	81.4	81.7
.6	78.8	81.5	81.9	82.3	82.4	82.4	82.5	82.5	82.6	82.8
.7	86.5	86.8	87.1	87.5	87.7	87.7	87.8	87.8	87.9	88.0
.7	87.1	89.0	89.2	89.7	89.8	89.8	89.9	89.9	89.9	90.1
.8	91.2	91.9	91.8	91.9	92.0	92.0	92.1	92.1	92.1	92.3
.8	91.3	91.7	92.0	92.4	92.7	92.7	92.8	92.8	92.8	93.0
.8	91.5	93.1	93.6	94.0	94.2	94.2	94.3	94.3	94.3	94.5
.8	93.5	94.3	94.8	95.2	95.5	95.5	95.7	95.7	95.7	95.9
1.4	93.9	95.2	95.4	96.2	96.5	96.5	96.7	96.7	96.7	96.9
.9	96.4	96.2	96.9	97.4	97.9	98.0	98.1	98.1	98.1	98.3
1.1	96.5	96.3	97.1	97.8	98.3	98.5	98.7	98.7	98.7	98.9
1.1	96.5	96.3	97.1	97.8	98.6	98.9	99.1	99.1	99.1	99.3
1.1	96.5	96.3	97.1	97.8	98.7	99.1	99.3	99.3	99.4	99.8
1.1	96.5	96.3	97.1	97.8	98.7	99.1	99.3	99.5	99.7	100.0
1.1	96.5	96.3	97.1	97.8	98.7	99.1	99.3	99.5	99.7	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]3 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN METERS	VISIBILITY IN METERS									
	GE 11[illegible]	GE [illegible]	GE [illegible]	GE [illegible]0	GE 4[illegible]	GE 40	GE 3[illegible]	GE 24	GE [illegible]	GE 1[illegible]
NO CEIL	1[illegible].1	1[illegible]	[illegible].7	21.[illegible]	21.4	21.4	21.[illegible]	21.7	21.7	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	29.9	3[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]
GE 1[illegible]	[illegible].7	27.1	[illegible].4	2[illegible]	30.2	30.[illegible]	30.7	31.[illegible]	31.[illegible]	31
GE 14[illegible]	[illegible].7	27.1	[illegible]	[illegible]	30.2	30.[illegible]	30.7	31.[illegible]	31.[illegible]	31
GE 14[illegible]	[illegible].7	[illegible].1	[illegible]	2[illegible]	30.2	30.[illegible]	30.7	31.[illegible]	31.[illegible]	31
GE 1[illegible]	[illegible]	[illegible]	[illegible]	3[illegible]	31.[illegible]	31.3	31.[illegible]	31.[illegible]	32.[illegible]	3[illegible]
GE 1[illegible]	[illegible].7	[illegible]	[illegible].1	32.4	32.[illegible]	33.[illegible]	33.3	[illegible].7	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible].3	[illegible].4	32.[illegible]	33.[illegible]	33.[illegible]	3[illegible].7	[illegible]	[illegible]	[illegible]
GE [illegible]	3[illegible]	[illegible].1	[illegible].7	37.1	37.7	3[illegible]	[illegible].1	[illegible]	[illegible].7	[illegible]
GE 7[illegible]	33.[illegible]	[illegible]	37.[illegible]	3[illegible]	[illegible]	[illegible]	3[illegible]	[illegible].3	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible]	3[illegible].1	[illegible].7	4[illegible]	[illegible].1	4[illegible]	4[illegible].7	[illegible]
GE [illegible]	[illegible]	[illegible]	4[illegible]	[illegible].1	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4[illegible]	[illegible]	4[illegible]	[illegible].1	[illegible].3	[illegible]
GE [illegible]	[illegible]	[illegible]1.[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]	[illegible].3	[illegible]	[illegible]	[illegible].2	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57.2	[illegible]7.4	[illegible]7.[illegible]	[illegible].1	[illegible]
GE [illegible]	[illegible]	71.[illegible]	7[illegible]	[illegible].2	[illegible].2	[illegible].7	[illegible]	[illegible].3	[illegible]	[illegible]
GE [illegible]	7[illegible]	7[illegible].4	[illegible].4	[illegible].2	[illegible].3	[illegible]	[illegible]7.[illegible]	[illegible].4	[illegible]7.7	7
GE [illegible]	7[illegible]	7[illegible]	[illegible]	[illegible].7	[illegible]	[illegible].7	[illegible]	[illegible].4	[illegible].7	[illegible]
GE 1[illegible]	7[illegible]	[illegible]	[illegible]	[illegible]7.2	[illegible]	[illegible].3	[illegible].7	[illegible]1.1	[illegible]1.3	[illegible]1
GE 1[illegible]	7[illegible].1	7[illegible]	[illegible]	[illegible]	[illegible]1.[illegible]	[illegible].4	[illegible]	[illegible].3	[illegible]	[illegible]
GE 1[illegible]	7[illegible]	7[illegible]	[illegible]	[illegible].2	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1[illegible]	7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].2	[illegible]	[illegible]	[illegible].7	[illegible]
GE [illegible]	7[illegible]	7[illegible]	[illegible]	91.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].4	[illegible]
GE [illegible]	76.7	7[illegible].1	[illegible].7	[illegible].3	[illegible]	97.1	97.7	[illegible].1	[illegible]	[illegible]
GE 7[illegible]	7[illegible]	7[illegible]	[illegible]	92.4	[illegible]	[illegible]	[illegible]7.[illegible]	[illegible].3	[illegible]	[illegible]
GE [illegible]	7[illegible]	7[illegible]	[illegible]	92.[illegible]	[illegible]	[illegible].1	[illegible].7	[illegible].1	[illegible]	[illegible]
GE [illegible]	7[illegible]	7[illegible]	[illegible]	[illegible]	96.5	[illegible].1	[illegible].7	[illegible].4	1[illegible]	1[illegible]
GE [illegible]	7[illegible]	7[illegible].2	[illegible]	[illegible]	96.5	98.1	98.7	[illegible].4	1[illegible]	1[illegible]
GE 3[illegible]	76.[illegible]	7[illegible].2	[illegible]	92.[illegible]	[illegible]	[illegible].1	[illegible].7	[illegible].4	100.[illegible]	10[illegible]
GE [illegible]	7[illegible]	[illegible].2	[illegible]	92.[illegible]	[illegible]	[illegible].1	[illegible].7	[illegible].4	100.[illegible]	1[illegible]
GE 1[illegible]	7[illegible]	7[illegible].2	[illegible]	92.[illegible]	[illegible]	[illegible].1	[illegible].7	[illegible].4	100.[illegible]	1[illegible]
GE [illegible]	7[illegible]	7[illegible].2	[illegible]	92.[illegible]	[illegible]	[illegible].1	[illegible].7	[illegible].4	1[illegible]	1[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

...TATE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...N WEYMOUTH NAF MA PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: APR HOURS: 12-14

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS									
	5 48	4 32	3 24	2 20	1 16	1/2 12	1/4 10	0 08	0 06	0 04	0 00
22	21.4	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
20	30.2	30.3	30.7	30.7	30.9	30.9	30.9	30.9	30.9	30.9	30.9
18	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
15	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
12	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
10	31.3	31.4	31.8	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
9	33.2	33.3	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
8	34.0	34.0	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
7	35.1	35.1	35.4	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
6	39.2	39.3	39.3	39.5	39.5	39.5	39.6	39.6	39.6	39.6	39.6
5	40.1	40.1	40.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
4	44.1	44.2	44.5	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
3	49.3	49.3	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
2	53.3	53.4	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
1	57.2	57.4	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
0	82.7	82.9	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
22	57.2	57.2	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
20	89.7	89.9	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
18	91.3	91.3	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
15	92.4	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
12	94.7	94.9	95.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
10	95.2	95.3	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
9	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
8	97.1	97.7	98.1	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6
7	97.3	97.9	98.3	98.4	98.4	98.4	98.8	98.8	98.8	98.8	98.8
6	99.1	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
5	93.1	93.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4	93.1	93.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3	93.1	93.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	93.1	93.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1	93.1	93.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	93.1	93.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL[illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3556[illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

PERIOD [illegible]
MONTH: [illegible]

CEILING IN FEET	VISIBILITY IN METERS GE 112[illegible]	GE [illegible]	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	23.1	23.[illegible]	25.1	25.4	25.5	25.6	25.[illegible]	25.[illegible]	25.[illegible]	25.[illegible]
GE 20000	33.1	33.[illegible]	35.1	35.5	35.7	36.[illegible]	37.[illegible]	37.[illegible]	37.[illegible]	37.[illegible]
GE 18000	33.5	34.[illegible]	35.5	37.0	37.1	37.3	37.7	37.7	37.7	37.7
GE 16000	33.5	34.0	35.5	37.0	37.1	37.3	37.7	37.7	37.7	37.7
GE 14000	33.[illegible]	34.[illegible]	35.9	37.3	37.4	37.7	38.0	38.0	38.0	38.[illegible]
GE 12000	34.0	34.4	37.[illegible]	37.4	37.[illegible]	38.1	38.[illegible]	38.6	38.5	38.[illegible]
GE 10000	3[illegible]	[illegible].7	39.[illegible]	40.1	40.5	40.[illegible]	41.4	41.4	41.4	41.4
GE 9000	3[illegible].7	37.1	40.3	40.9	41.3	41.7	42.2	42.2	42.2	42.[illegible]
GE 8000	4[illegible]	4[illegible]	44.2	44.[illegible]	45.7	45.[illegible]	4[illegible]	4[illegible]	4[illegible]	4[illegible]
GE 7000	41.[illegible]	42.[illegible]	45.[illegible]	46.[illegible]	47.7	48.0	4[illegible]	4[illegible]	4[illegible]	4[illegible]
GE 6000	43.3	45.[illegible]	47.[illegible]	48.0	49.3	50.1	50.7	50.7	50.7	50.7
GE 5000	4[illegible]	[illegible]	53.0	54.0	55.3	55.7	56.[illegible]	56.2	56.2	56.2
GE 4500	[illegible]	[illegible]	57.1	[illegible]	62.1	62.4	63.0	63.0	63.0	63.0
GE 4000	[illegible]	61.[illegible]	67.5	67.3	70.9	71.2	71.[illegible]	71.[illegible]	71.[illegible]	71.[illegible]
GE 3500	[illegible]	67.7	74.4	75.4	7[illegible]	7[illegible]	7[illegible]	7[illegible]	7[illegible]	7[illegible]
GE 3000	74.5	75.[illegible]	[illegible].1	86.7	87.4	87.[illegible]	88.3	88.3	88.3	88.3
GE 2500	75.[illegible]	75.4	[illegible]	[illegible]	90.7	91.2	91.[illegible]	91.[illegible]	91.[illegible]	91.[illegible]
GE 2000	75.7	77.7	87.2	90.1	92.4	93.3	94.[illegible]	94.[illegible]	94.[illegible]	94.[illegible]
GE 1800	76.7	77.7	87.2	90.1	92.5	93.4	94.1	94.1	94.1	94.1
GE 1500	77.3	7[illegible]	[illegible].3	91.3	93.0	94.[illegible]	95.[illegible]	95.[illegible]	95.[illegible]	95.[illegible]
GE 1200	77.5	78.5	89.0	92.3	95.[illegible]	96.1	97.1	97.1	97.1	97.1
GE 1000	77.7	7[illegible].7	89.2	92.7	95.[illegible]	96.[illegible]	97.[illegible]	97.9	98.[illegible]	98.[illegible]
GE 900	7[illegible]	79.0	89.5	93.0	96.2	97.1	98.1	98.2	98.5	98.5
GE 800	7[illegible]	79.3	89.[illegible]	93.5	95.[illegible]	97.7	98.7	98.[illegible]	99.1	99.1
GE 700	78.3	79.3	[illegible]	93.6	96.[illegible]	97.7	98.[illegible]	98.[illegible]	99.2	99.[illegible]
GE 600	78.3	79.3	89.9	93.6	96.9	97.[illegible]	99.0	99.1	99.5	99.5
GE 500	78.3	79.3	[illegible]	93.6	97.1	98.0	99.2	99.4	99.9	99.[illegible]
GE 400	78.3	79.3	89.9	93.6	97.1	98.0	99.2	99.4	99.9	99.9
GE 300	78.3	79.3	89.9	93.5	97.1	98.0	99.2	99.4	99.9	99.9
GE 200	78.3	79.3	89.9	93.6	97.1	98.0	99.2	99.4	99.9	99.9
GE 100	78.3	79.3	89.9	93.6	97.1	98.0	99.2	99.4	99.9	99.[illegible]
GE 000	78.3	79.3	89.9	93.6	97.1	98.0	99.2	99.4	99.9	99.[illegible]

TOTAL NUMBER OF OBSERVATIONS 90[illegible]

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 74 - JUN 88
MONTH: APR HOURS: 15-17

ILITY IN METERS									
32	24	20	16	12	10	08	06	04	00
[illegible]	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
[illegible]	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
[illegible]	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
[illegible]	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
[illegible]	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
[illegible]	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4
91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
[illegible]	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1
[illegible]	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
[illegible]	95.3	95.3	95.3	95.9	95.9	95.9	95.9	95.9	95.9
97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
[illegible]	97.9	[illegible]	98.2	98.3	98.3	98.3	98.3	98.3	98.3
[illegible]	[illegible]	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
[illegible]	[illegible]	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
[illegible]	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
[illegible]	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
[illegible]	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C[illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36663 STATION NAME: UPPER HEYFORD RAF UK [illegible]
LST TO UTC: - 0 MONTH: [illegible]

CEILING IN FEET	VISIBILITY IN METERS GE 11200	GE 9600	GE 8000	GE 6400	GE 4800	GE 4000	GE 3200	GE 2400	GE 2000	GE 1600
NO CEIL	31.3	31.4	34.1	35.0	35.8	35.9	[illegible]	36.0	36.1	[illegible]
GE 20000	[illegible]	[illegible]	43.2	44.2	45.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 18000	[illegible]	[illegible]	43.5	44.5	45.7	[illegible]	46.1	46.1	46.2	[illegible]
GE 16000	[illegible]	39.7	43.5	44.6	45.7	45.9	46.1	46.1	46.2	[illegible]
GE 14000	[illegible]	[illegible]	43.7	[illegible]	45.9	46.1	46.3	46.3	46.4	[illegible]
GE 12000	[illegible]	[illegible]	43.9	[illegible]	46.1	46.3	46.6	[illegible]	46.7	[illegible]
GE 10000	41.[illegible]	42.1	[illegible]	47.7	[illegible]	[illegible]	[illegible]	[illegible]	49.3	49.4
GE 9000	42.2	42.5	47.3	48.4	[illegible]	49.8	[illegible]	[illegible].1	[illegible].2	[illegible]
GE 8000	[illegible]	[illegible]	51.3	53.0	54.6	[illegible]	[illegible]	[illegible]	[illegible]	55.4
GE 7000	[illegible]	47.4	53.0	54.8	[illegible]	[illegible]	56.5	[illegible]	[illegible]	57.[illegible]
GE 6000	[illegible]	[illegible]	[illegible]	[illegible]	57.8	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]
GE 5000	[illegible].1	[illegible]	[illegible].7	[illegible].1	[illegible]	62.3	62.7	[illegible]	[illegible].1	[illegible]
GE 4500	[illegible]	[illegible]	[illegible]	[illegible]	70.0	70.5	[illegible]	71.3	71.6	71.[illegible]
GE 4000	[illegible].1	[illegible]	72.7	75.1	73.[illegible]	73.5	[illegible]	73.6	[illegible]	[illegible].1
GE 3500	67.[illegible]	[illegible].7	76.[illegible]	79.1	[illegible].2	[illegible]	[illegible].4	84.[illegible]	[illegible].4	[illegible]
GE 3000	72.3	72.2	[illegible]1.	[illegible].3	87.3	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible].7
GE 2500	72.[illegible]	73.[illegible]	[illegible]	[illegible].2	88.3	89.1	[illegible]	[illegible].6	91.2	[illegible].3
GE 2000	73.[illegible]	74.[illegible]	[illegible].7	[illegible]	89.7	[illegible]	91.3	[illegible]	92.7	[illegible]
GE 1800	73.7	74.6	84.0	[illegible]	90.0	90.[illegible]	91.7	[illegible].3	93.[illegible]	[illegible].1
GE 1500	74.4	75.3	[illegible]	[illegible].3	91.[illegible]	92.7	93.4	94.1	94.[illegible]	[illegible]
GE 1200	75.0	75.9	[illegible]	[illegible].3	93.3	94.2	[illegible]	[illegible].7	95.3	[illegible]
GE 1000	75.[illegible]	75.1	[illegible]	[illegible].7	94.0	[illegible]	[illegible]	[illegible]	97.2	97.[illegible]
GE 900	75.2	75.1	[illegible]	[illegible]	94.1	95.0	[illegible]	[illegible].7	97.3	97.4
GE 800	75.2	75.1	[illegible]	89.8	94.3	95.2	96.2	96.7	97.5	97.7
GE 700	76.0	76.0	87.7	90.5	95.2	95.1	97.1	97.[illegible]	[illegible]	[illegible].7
GE 600	76.1	77.0	87.3	90.7	95.3	[illegible].2	97.2	[illegible]	[illegible].7	[illegible]
GE 500	76.1	77.0	[illegible]	90.9	95.7	96.[illegible]	97.[illegible]	[illegible]	[illegible].2	[illegible]
GE 400	76.1	77.0	[illegible]	90.9	95.7	95.[illegible]	97.[illegible]	98.7	[illegible].3	[illegible]
GE 300	76.1	77.0	[illegible]	90.9	95.7	95.9	97.9	98.[illegible]	99.4	[illegible]
GE 200	76.1	77.0	88.0	90.9	95.7	95.9	97.9	98.[illegible]	99.4	[illegible]
GE 100	76.1	77.0	88.0	90.9	95.7	96.0	97.9	98.[illegible]	99.4	[illegible]
GE 000	76.1	77.0	88.0	90.9	95.7	96.0	97.9	[illegible]	99.4	[illegible]

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: APR HOURS: 18-20

ILITY IN METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 09	GE 08	GE 04	GE 00
[illegible]	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2
[illegible]	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0
46.1	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
46.1	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
46.3	46.3	46.4	46.5	46.5	46.5	46.6	46.5	46.5	46.6
46.5	46.5	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8
49.2	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
55.0	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
56.5	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
58.4	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9
62.7	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
71.0	71.3	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6
79.8	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
83.4	84.0	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6
89.0	89.1	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
91.1	91.6	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
92.3	92.0	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
93.7	93.3	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
93.4	94.1	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
96.1	96.7	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
97.0	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.3	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
96.2	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
97.1	97.9	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
97.2	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
97.4	98.6	99.2	99.3	99.6	99.8	99.8	99.8	99.8	99.8
97.4	98.7	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9
97.5	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.5	98.4	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.5	98.4	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.5	98.4	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3686 STATION NAME: JOPLIN MUNICIPAL AIRPORT
LST TO UTC: - 6

CEILING IN FEET	VISIBILITY IN METERS									
	11	7	5	3	2	1	0			
NO CEIL	42.3	47.3	49.3	47.9	47.5	47.9	48.3	48.5	49.5	49.
30000	47.4	49.4	52.1	52.3	53.7	54.3	54.1	54.1	54.1	54.
25000	47.4	49.4	52.1	52.3	53.7	54.3	54.1	54.1	54.1	54.
20000	47.5	49.5	52.1	52.5	53.7	54.3	54.1	54.1	54.1	54.
18000	47.5	49.4	52.1	52.5	53.7	54.3	54.1	54.1	54.1	54.
16000	47.5	49.4	52.1	52.5	53.7	54.3	54.1	54.1	54.1	54.
14000	47.5	49.4	52.1	52.5	53.7	54.3	54.1	54.1	54.1	54.
12000	47.5	49.4	52.1	52.5	53.7	54.4	54.5	54.5	54.5	54.
10000	47.	49.4	52.3	52.5	53.7	54.5	54.7	54.7	54.7	55.
9000	47.	49.4	52.3	52.5	53.7	54.5	54.7	54.7	54.7	55.
8000	47.1	49.4	52.3	52.5	53.7	54.5	54.7	54.7	54.7	55.
7000	47.7	49.4	52.7	52.8	53.7	54.5	54.7	54.7	54.7	55.
6000	47.9	49.4	52.8	53.2	54.2	54.5	54.7	54.7	54.7	55.
5000	48.7	50.4	54.3	55.3	57.3	58.5	59.1	59.1	59.1	60.
4500	49.	50.7	55.3	57.3	73.7	74.4	75.1	75.2	75.2	75.
4000	49.4	50.9	55.3	77.3	75.0	77.3	78.5	79.2	79.4	79.
3500	49.	50.7	55.7	76.7	77.3	79.7	81.0	81.7	81.9	82.
3000	49.2	50.9	55.9	77.1	77.4	80.3	85.3	86.2	86.5	86.
2500	49.2	50.1	56.1	77.5	77.9	80.7	85.7	87.3	87.5	87.7	88.
2400	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
2200	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
2000	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
1800	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
1600	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
1500	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
1400	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
1300	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
1200	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
1100	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
1000	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
900	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
800	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
700	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
600	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
500	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
400	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
300	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
200	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
100	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.
000	49.2	50.2	56.2	77.6	78.1	80.9	85.9	87.7	88.0	88.2	88.

TOTAL NUMBER OF OBSERVATIONS 909

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: APR HOURS: 21-23

CEILING IN METERS / VISIBILITY IN METERS	3E 32	2E 24	2C 20	1E 16	1C 12	1A 10	0E 08	0C 06	0A 04	00
[illegible]	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
[illegible]	54.1	54.1	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4
[illegible]	54.1	54.1	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4
[illegible]	54.1	54.1	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4
[illegible]	54.1	54.1	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4
[illegible]	54.6	54.6	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9
[illegible]	56.7	56.7	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0
[illegible]	57.4	57.4	57.4	57.7	57.8	57.8	57.8	57.8	57.8	57.8
[illegible]	62.6	62.6	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9
[illegible]	64.1	64.1	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4
[illegible]	65.0	65.0	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3
[illegible]	69.1	69.1	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5
[illegible]	75.1	75.2	75.2	75.5	75.7	75.7	75.7	75.7	75.7	75.7
[illegible]	79.2	79.4	79.4	79.8	79.9	79.9	79.9	79.9	79.9	79.9
[illegible]	81.7	81.9	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3
[illegible]	86.0	86.2	86.2	86.5	86.7	86.7	86.7	86.7	86.7	86.7
[illegible]	87.5	87.6	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1
[illegible]	89.7	89.9	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.4
[illegible]	90.0	90.2	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.8
[illegible]	91.6	91.8	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3
[illegible]	92.6	92.8	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4
[illegible]	94.9	95.1	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0
[illegible]	95.2	95.4	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3
[illegible]	95.6	96.7	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7
[illegible]	97.0	97.3	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3
[illegible]	97.3	97.7	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7
[illegible]	98.1	98.6	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	98.1	98.6	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	98.2	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	98.2	98.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	98.2	98.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	98.2	98.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0

OPERATIONS LOCATION "A"
USAFFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FIVE HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER MEYERSDALE RAP NP
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN MILES									
	11?	[illegible]	[illegible]	[illegible]	[illegible]	40	32	24	20	1[illegible]
[illegible]	35.9	37.[illegible]	[illegible]	31.7	33.6	33.7	34.1	34.4	34.6	34.[illegible]
[illegible]	42.[illegible]	43.[illegible]	37.4	3[illegible]	40.5	41.[illegible]	41.[illegible]	42.[illegible]	42.[illegible]	42.[illegible]
[illegible]	42.[illegible]	43.1	37.[illegible]	3[illegible]	40.7	41.2	41.7	42.2	42.3	42.[illegible]
[illegible]	42.[illegible]	43.1	37.6	3[illegible]	40.7	41.2	41.7	42.2	42.3	42.[illegible]
[illegible]	42.[illegible]	43.2	37.[illegible]	3[illegible]	40.8	41.3	41.[illegible]	42.3	42.4	42.[illegible]
[illegible]	43.3	44.6	38.[illegible]	39.1	41.2	41.8	42.3	42.8	42.9	43.[illegible]
[illegible]	44.7	45.1	40.3	41.2	43.4	44.3	44.9	45.1	45.3	45.[illegible]
[illegible]	44.[illegible]	45.[illegible]	40.4	41.[illegible]	43.[illegible]	44.[illegible]	45.[illegible]	45.[illegible]	45.7	45.[illegible]
[illegible]	47.[illegible]	48.[illegible]	44.1	45.4	47.7	48.[illegible]	49.2	49.[illegible]	[illegible]	[illegible]
[illegible]	49.[illegible]	50.[illegible]	46.[illegible]	46.5	49.2	49.9	50.6	51.2	51.4	51.[illegible]
[illegible]	50.[illegible]	51.[illegible]	46.[illegible]	47.[illegible]	50.4	51.1	51.8	52.[illegible]	52.[illegible]	52.[illegible]
[illegible]	52.[illegible]	53.4	48.[illegible]	[illegible]	54.3	55.1	55.9	56.7	56.9	57.[illegible]
[illegible]	54.[illegible]	55.[illegible]	50.[illegible]	51.[illegible]	54.[illegible]	55.[illegible]	56.[illegible]	57.[illegible]	57.[illegible]	57.[illegible]
[illegible]	57.[illegible]	58.[illegible]	53.[illegible]	54.[illegible]	57.[illegible]	58.[illegible]	59.[illegible]	60.[illegible]	60.[illegible]	60.[illegible]
[illegible]	67.[illegible]	68.[illegible]	63.[illegible]	65.[illegible]	68.4	70.7	71.[illegible]	72.7	73.1	73.[illegible]
[illegible]	70.[illegible]	71.[illegible]	66.[illegible]	68.[illegible]	72.5	75.4	77.7	79.[illegible]	[illegible]	[illegible]
[illegible]	71.[illegible]	72.[illegible]	67.[illegible]	71.[illegible]	74.[illegible]	78.[illegible]	80.[illegible]	82.[illegible]	[illegible]	[illegible]
[illegible]	73.[illegible]	74.[illegible]	69.[illegible]	73.[illegible]	76.7	80.[illegible]	82.4	84.[illegible]	[illegible]	[illegible]
[illegible]	74.[illegible]	75.[illegible]	70.[illegible]	74.3	77.2	81.[illegible]	83.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	75.1	76.[illegible]	71.[illegible]	75.4	78.[illegible]	82.[illegible]	84.[illegible]	86.[illegible]	[illegible]	[illegible]
[illegible]	75.[illegible]	76.[illegible]	71.[illegible]	75.4	78.[illegible]	82.[illegible]	84.[illegible]	86.[illegible]	[illegible]	[illegible]
[illegible]	75.[illegible]	76.[illegible]	71.[illegible]	75.4	78.[illegible]	82.[illegible]	84.[illegible]	86.[illegible]	[illegible]	[illegible]
[illegible]	75.[illegible]	76.[illegible]	71.[illegible]	75.4	78.[illegible]	82.[illegible]	84.[illegible]	86.[illegible]	[illegible]	[illegible]
[illegible]	75.[illegible]	76.[illegible]	71.[illegible]	75.4	78.[illegible]	82.[illegible]	84.[illegible]	86.[illegible]	[illegible]	[illegible]
[illegible]	75.[illegible]	76.[illegible]	71.[illegible]	75.4	78.[illegible]	82.[illegible]	84.[illegible]	86.[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 7200

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: APR HOURS: ALL

CEILING IN METERS / VISIBILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	34.1	34.4	34.5	34.6	34.7	34.9	34.9	35.0	35.0	35.1
	41.6	42.0	42.2	42.5	42.6	42.6	42.7	42.8	42.8	42.9
	41.7	42.2	42.3	42.7	42.7	42.8	42.8	42.9	43.0	43.1
	41.7	42.2	42.3	42.7	42.8	42.8	42.8	42.9	43.0	43.1
	41.8	42.3	42.4	42.8	42.9	42.9	43.0	43.0	43.1	43.2
	42.3	42.8	42.9	43.3	43.4	43.4	43.5	43.6	43.6	43.7
	44.5	45.1	45.3	45.5	45.7	45.7	45.8	45.9	45.9	46.0
	44.9	45.5	45.7	46.0	46.1	46.2	46.2	46.3	46.3	46.5
	49.2	49.8	50.0	50.3	50.4	50.5	50.5	50.6	50.7	50.8
	50.6	51.2	51.4	51.6	51.8	51.9	52.0	52.1	52.2	52.3
	51.9	52.5	52.7	53.2	53.3	53.4	53.4	53.5	53.6	53.8
	56.9	56.7	56.9	57.3	57.5	57.5	57.6	57.7	57.8	58.0
	61.1	61.9	62.2	62.6	62.7	62.8	62.8	62.9	63.1	63.3
	67.8	68.4	68.8	69.2	69.4	69.4	69.5	69.6	69.7	69.9
	71.8	72.7	73.1	73.6	73.7	73.7	73.8	73.9	74.0	74.2
	74.3	79.8	80.2	80.6	80.8	80.8	80.9	81.0	81.2	81.4
	81.2	82.2	82.6	83.0	83.2	83.3	83.3	83.5	83.6	83.8
	84.7	84.8	85.2	85.7	85.9	86.0	86.1	86.2	86.3	86.5
	84.8	85.4	85.8	86.3	86.5	86.6	86.7	86.8	86.9	87.1
	87.0	88.1	88.6	89.1	89.3	89.3	89.5	89.6	89.7	89.9
	89.5	89.6	90.1	90.6	90.8	90.9	91.0	91.1	91.3	91.5
	91.0	91.2	91.6	92.3	92.6	92.6	92.8	92.9	93.0	93.2
	92.5	92.7	92.4	92.9	93.2	93.3	93.4	93.5	93.6	93.8
	92.9	93.2	93.8	94.4	94.6	94.7	94.8	94.9	95.1	95.3
	93.7	94.0	94.7	95.2	95.5	95.6	95.7	95.8	95.9	96.1
	93.9	94.6	95.3	95.8	96.1	96.2	96.3	96.4	96.5	96.7
	94.1	95.8	96.5	97.2	97.7	97.8	97.9	98.0	98.2	98.4
	94.2	96.1	97.0	97.6	98.2	98.4	98.5	98.6	98.7	98.9
	94.4	96.4	97.3	97.9	98.6	98.8	98.9	99.1	99.2	99.4
	94.4	96.4	97.3	98.0	98.8	99.0	99.2	99.4	99.6	99.8
	94.4	96.4	97.4	98.0	98.8	99.0	99.2	99.5	99.6	100.0
	94.4	96.4	97.4	98.0	98.8	99.0	99.2	99.5	99.6	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35663 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE 80	GE 60	GE 50	GE 48	GE 40	GE 32	GE 24	GE 20	GE 1
NO CEIL	35.5	37.0	41.7	43.6	45.7	46.1	46.3	46.6	47.0	47
GE 20000	39.4	39.4	45.1	47.0	49.0	50.4	50.6	51.0	51.6	51
GE 18000	39.4	39.4	45.1	47.0	49.9	50.6	50.9	51.1	51.7	52
GE 16000	39.4	39.4	45.1	47.0	49.9	50.6	50.9	51.1	51.7	52
GE 14000	39.4	39.	45.1	47.0	49.9	50.6	50.9	51.1	51.7	52
GE 12000	39.4	39.	45.1	47.0	49.9	50.6	50.9	51.1	51.7	52
GE 10000	39.9	40.3	45.7	47.7	51.1	51.7	52.3	52.5	52.9	53
GE 9000	40.4	41.0	46.3	48.4	51.7	52.4	52.7	52.9	53.5	53
GE 8000	44.4	44.8	50.5	53.0	55.5	57.2	57.4	58.1	58.6	58
GE 7000	44.5	45.1	50.9	53.2	55.3	57.4	58.1	58.3	59.0	59
GE 6000	45.2	46.5	51.6	54.0	57.3	58.6	59.1	59.4	60.1	60
GE 5000	46.1	47.3	58.0	60.5	62.5	63.1	63.	64.0	64.7	65
GE 4500	53.9	55.7	60.6	63.9	63.1	65.7	67.4	69.5	70.5	70
GE 4000	60.5	62.0	64.4	65.0	72.4	73.3	74.0	74.3	75.1	75
GE 3500	60.6	62.2	66.4	69.7	74.3	75.3	76.1	76.5	77.2	77
GE 3000	59.1	60.0	63.1	72.0	77.3	78.3	79.5	79.0	80.0	80
GE 2500	59.4	60.3	69.7	73.9	79.1	80.1	81.4	81.7	82.5	82
GE 2000	60.6	61.5	71.3	75.5	80.0	81.7	82.0	83.4	84.0	84
GE 1800	61.0	61.	71.5	75.7	81.0	81.9	83.0	83.7	84.5	84
GE 1500	62.5	63.4	73.9	78.3	83.7	84.5	85.0	86.8	87.3	87
GE 1200	62.9	63.7	74.7	79.4	84.8	85.8	87.3	87.5	88.7	88
GE 1000	63.4	64.5	75.0	80.5	85.1	87.1	88.5	89.4	90.3	91
GE 900	63.5	64.5	75.2	80.4	85.7	87.5	89.4	90.6	91.0	91
GE 800	63.7	64.7	76.3	81.0	35.9	87.3	90.5	90.4	91.4	92
GE 700	64.4	65.5	77.1	81.7	88.1	89.0	91.2	91.9	92.9	93
GE 600	64.4	65.5	77.1	81.7	86.3	89.2	91.8	92.6	93.5	94
GE 500	65.1	65.1	77.7	82.4	88.9	90.2	93.6	94.5	95.3	95
GE 400	65.1	65.1	73.0	82.5	89.5	91.2	94.2	95.9	97.0	97
GE 300	65.1	65.1	78.0	82.5	89.6	91.2	94.2	95.9	97.0	97
GE 200	65.1	65.1	78.0	82.5	89.5	91.2	94.2	95.9	97.1	97
GE 100	65.1	65.1	73.0	82.6	89.5	91.2	94.2	95.9	97.1	98
GE 000	65.1	65.1	78.0	82.5	89.5	91.2	94.2	95.9	97.1	98

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: MAY HOURS: 00-02

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
.7	45.1	46.3	46.6	47.0	47.1	47.4	47.4	47.5	47.6	47.6	48.0
.?	50.4	50.8	51.0	51.5	51.9	52.4	52.4	52.5	52.6	52.6	52.9
.?	50.9	51.2	51.1	51.7	52.0	52.5	52.5	52.6	52.7	52.7	53.0
.?	50.9	51.2	51.1	51.7	52.0	52.5	52.5	52.6	52.7	52.7	53.0
.?	50.9	51.2	51.1	51.7	52.0	52.5	52.5	52.6	52.7	52.7	53.0
.?	50.9	51.2	51.1	51.7	52.0	52.5	52.5	52.6	52.7	52.7	53.0
.?	51.7	52.1	52.3	52.9	53.2	53.7	53.7	53.8	53.9	53.9	54.2
.?	52.4	52.7	52.9	53.5	53.9	54.3	54.3	54.4	54.5	54.5	54.8
.?	57.2	57.5	57.1	57.8	58.1	59.5	59.5	59.7	59.8	59.8	60.1
.?	57.4	58.1	58.3	58.9	59.4	59.8	59.8	59.9	60.0	60.0	60.3
.?	58.5	59.1	59.4	60.1	60.4	60.9	60.9	61.0	61.1	61.1	61.4
.?	63.1	63.5	64.0	64.7	65.1	65.5	65.5	65.6	65.7	65.7	66.0
.1	69.7	70.4	70.5	71.3	70.5	71.1	71.1	71.2	71.3	71.3	71.5
.?	73.8	74.1	74.3	75.1	75.4	75.8	75.8	75.9	76.0	76.0	76.3
.?	75.3	76.1	76.5	77.2	77.5	78.0	78.0	78.1	78.2	78.2	78.5
.?	79.3	79.6	79.9	80.6	81.1	81.5	81.5	81.6	81.7	81.7	82.0
.?	80.1	81.4	81.7	82.5	82.9	83.3	83.3	83.4	83.5	83.5	83.9
.?	81.7	83.0	83.4	84.3	84.6	85.1	85.1	85.2	85.3	85.3	85.5
.?	81.9	83.2	83.7	84.5	84.8	85.3	85.3	85.4	85.5	85.5	85.8
.?	84.5	85.9	86.5	87.3	87.7	88.2	88.2	88.3	88.4	88.4	88.7
.?	85.9	87.3	87.8	88.7	89.1	89.6	89.6	89.7	89.8	89.8	90.1
.?	87.1	88.3	88.4	89.3	91.0	91.4	91.4	91.5	91.6	91.6	91.9
.?	87.5	89.4	89.8	91.0	91.5	92.0	92.0	92.2	92.3	92.3	92.6
.?	87.8	89.4	89.8	91.4	92.0	92.5	92.5	92.6	92.7	92.7	93.0
.?	89.0	91.2	91.6	92.9	93.7	94.1	94.1	94.2	94.3	94.3	94.6
.?	89.2	91.3	92.6	93.5	94.3	94.7	94.7	94.8	94.9	94.9	95.3
.?	93.2	93.2	94.3	95.3	96.0	96.7	96.7	96.8	96.9	96.9	97.2
.?	91.2	94.2	95.9	97.0	97.7	98.4	98.5	98.6	98.7	98.7	99.0
.?	91.2	94.2	95.9	97.0	97.7	98.6	98.7	98.8	99.0	99.1	99.5
.?	91.2	94.2	95.9	97.1	98.0	98.8	98.9	99.0	99.5	99.5	99.9
.?	91.2	94.2	95.9	97.1	98.0	98.8	98.9	99.0	99.5	99.6	100.0
.?	91.2	94.2	95.9	97.1	98.0	98.8	98.9	99.0	99.5	99.6	100.0

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
HOURLY OBSERVATIONS

STATION NO.: 3[illegible] STATION NAME: [illegible]
LST TO UTC: - 0

CEILING IN FEET	0	1/2	1	2	3	4	5	6	7	8	9	10
		112	3	10	20	30	40	50	60	70	80	90
99 CEIL	28.4	32.3	27.5	29.4	32.3	33.1	34.5	35.3	35.1	37.		
22 22000	24.3	24.	23.3	31.3	35.3	35.3	37.5	38.4	38.7	40.		
20 15000	26.4	24.3	30.3	32.3	35.1	35.5	36.7	38.5	38.4	40.		
18 12000	26.4	24.3	31.3	32.3	35.1	35.5	36.3	38.5	38.4	40.		
16 10000	24.5	25.1	31.1	32.2	35.2	35.6	37.2	38.7	40.6	41.		
14 8000	24.5	25.1	31.1	32.2	35.2	35.6	37.2	38.7	40.9	41.		
12 7000	25.7	25.3	31.4	33.7	35.3	36.4	38.3	41.7	42.	43.		
11 6000	25.2	25.	32.3	34.3	36.7	39.1	41.	43.5	43.3	44.		
10 5000	25.2	25.1	35.4	37.3	43.1	45.7	47.4	47.3	47.4	49.		
9 4500	28.3	28.4	35.5	38.3	43.3	44.4	46.1	47.2	47.2	48.		
8 4000	31.1	31.1	38.1	41.1	46.2	48.7	47.4	49.5	49.5	51.		
7 3500	31.	32.4	38.1	42.3	43.4	44.3	46.7	47.5	47.1	48.		
6 3000	35.3	35.3	40.7	43.3	52.6	53.2	54.4	53.4	53.	54.		
5 2500	37.1	37.3	42.2	46.3	55.3	57.1	57.2	57.4	57.1	58.		
4 2000	41.7	44.4	47.3	51.7	61.3	59.6	61.3	64.1	63.1	64.		
3 1500	43.3	46.1	49.4	53.3	63.4	61.7	64.2	65.4	67.4	68.		
2 1000	45.1	47.1	51.3	56.2	62.3	64.3	64.4	67.	71.	71.		
1 800	46.3	48.3	53.3	57.1	64.3	65.3	68.3	71.2	71.4	73.		
0 600	46.4	48.4	52.3	57.4	65.2	66.2	68.3	71.3	73.2	73.		
61 500	46.7	47.3	55.2	58.3	66.3	70.3	72.3	75.3	75.4	77.		
58 400	46.7	47.3	57.3	62.2	73.4	71.3	74.5	77.3	77.2	79.		
55 300	47.1	47.7	57.2	63.1	71.4	73.1	75.3	77.4	77.5	81.		
53 250	47.3	47.3	57.3	64.3	72.3	74.5	77.4	80.4	81.4	83.		
52 200	47.4	49.3	59.3	67.1	74.7	76.7	79.3	83.3	84.3	85.		
51 150	48.3	49.4	61.3	66.3	75.1	79.2	81.2	84.7	86.3	87.		
50 100	48.3	50.1	61.2	66.7	76.3	79.1	82.4	85.3	87.3	89.		
50 [illegible]	50.1	50.	62.3	67.3	77.5	80.2	83.1	87.5	90.2	91.		
49 [illegible]	50.1	50.3	62.3	67.3	77.3	80.5	84.4	88.3	90.3	92.		
49 300	50.1	50.3	62.2	67.7	78.1	80.9	84.6	88.4	91.4	92.		
49 200	50.1	50.3	62.2	67.7	78.1	80.9	84.6	88.5	90.5	93.		
49 100	50.1	50.3	62.2	67.7	78.1	80.9	84.7	88.5	90.5	93.		
49 000	50.1	50.3	62.2	67.7	78.1	80.9	84.7	88.5	90.5	93.		

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 72 - JUN 84
MONTH: MAY HOURS: 03-05

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	33.1	34.5	35.3	36.1	37.2	38.1	38.2	38.2	38.3	38.3	39.1
	36.3	37.6	38.4	38.7	40.3	41.5	41.9	41.9	42.0	42.0	42.8
	36.9	38.0	38.5	39.3	40.3	41.7	42.0	42.0	42.2	42.2	43.0
	36.5	38.0	38.5	39.3	40.8	41.7	42.0	42.0	42.2	42.2	43.0
	36.6	38.2	38.7	40.0	41.1	41.9	42.3	42.3	42.4	42.4	43.2
	36.6	38.2	38.7	40.0	41.1	41.9	42.3	42.3	42.4	42.4	43.2
	38.4	40.1	41.7	42.3	43.1	44.0	44.3	44.3	44.4	44.4	45.3
	38.1	40.0	42.6	42.8	44.0	44.9	45.3	45.3	45.4	45.4	46.2
	43.7	45.4	47.3	47.5	49.0	50.0	50.3	50.4	50.4	50.4	51.3
	44.4	46.1	48.0	48.3	50.0	51.1	51.4	51.4	51.5	51.5	52.4
	45.7	47.4	49.5	49.8	51.3	52.4	52.7	52.7	52.8	52.8	53.7
	51.9	53.7	55.5	56.1	54.0	55.7	56.0	56.0	56.3	56.3	57.2
	58.2	59.4	61.4	62.0	59.6	60.6	61.0	61.0	61.3	61.3	62.2
	57.4	59.2	62.4	62.9	64.5	65.5	65.9	65.9	66.2	66.2	67.1
	59.5	61.9	64.8	65.1	65.7	67.7	68.1	68.1	68.5	68.5	69.4
	61.7	64.2	66.4	67.4	69.1	70.5	71.1	71.1	71.5	71.5	72.4
	64.3	66.6	69.4	70.2	71.7	73.2	73.7	73.7	74.1	74.1	74.9
	65.9	68.3	71.2	71.8	73.6	75.1	75.5	75.5	75.9	75.9	76.8
	66.2	68.8	71.5	72.2	73.9	75.4	75.8	75.8	76.2	76.2	77.1
	70.3	72.9	75.6	76.5	74.3	77.8	80.2	80.2	80.6	80.6	81.5
	71.2	74.5	77.2	78.2	79.9	81.5	81.9	81.9	82.4	82.4	83.2
	73.1	75.9	78.8	79.8	81.5	83.1	83.5	83.5	84.0	84.0	84.8
	74.5	77.4	80.4	81.4	83.1	84.7	85.2	85.2	85.6	85.6	86.5
	76.7	79.5	83.0	84.0	85.7	87.3	87.7	87.7	88.2	88.2	89.0
	77.2	81.2	84.7	86.0	87.8	89.5	89.9	89.9	90.3	90.3	91.2
	79.1	82.4	85.9	87.3	89.1	90.9	91.2	91.2	91.6	91.6	92.6
	80.2	83.6	87.5	89.2	91.4	93.1	93.5	93.5	94.0	94.0	95.2
	80.6	84.4	88.2	89.9	92.0	94.1	94.5	94.5	94.9	94.9	96.2
	80.9	84.6	88.4	90.4	92.9	95.3	95.8	95.8	96.6	96.6	98.0
	80.7	84.6	88.5	90.6	93.2	95.7	96.5	96.5	97.6	97.8	99.4
	80.9	84.7	88.6	90.8	93.3	95.8	96.6	96.6	97.7	98.1	100.0
	80.9	84.7	88.6	90.8	93.3	95.8	96.6	96.6	97.7	98.1	100.0

OPERATING LOCATION NAM
ASHEVILLE, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53953 STATION NAME: UPPER HEYFORD RAF UK PERI
LST IS UTC: - 0 MON

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	6[illegible]	5[illegible]	3[illegible]	6[illegible]	3[illegible]	3[illegible]	0[illegible]
	1[illegible]	[illegible]	6[illegible]	5[illegible]	4[illegible]	4[illegible]	3[illegible]	2[illegible]	[illegible]	1[illegible]
[illegible] IL	17.1	17.[illegible]	2[illegible].6	22.2	24.5	25.4	2[illegible].2	27.[illegible]	27.[illegible]	2[illegible].1
2[illegible] [illegible]30[illegible]	1[illegible].[illegible]	2[illegible].1	24.3	2[illegible].3	27.[illegible]	30.[illegible]	31.[illegible]	33.[illegible]	33.[illegible]	34.[illegible]
3[illegible] 1[illegible]3[illegible]	1[illegible].[illegible]	2[illegible].1	25.1	26.[illegible]	30.2	31.[illegible]	31.[illegible]	33.6	33.[illegible]	34.[illegible]
4[illegible] 1[illegible]0[illegible]	1[illegible].[illegible]	2[illegible].1	25.1	26.[illegible]	30.0	31.0	31.[illegible]	33.4	33.[illegible]	34.[illegible]
5[illegible] 14000	1[illegible].[illegible]	2[illegible].1	25.1	26.[illegible]	30.1	31.1	31.[illegible]	33.[illegible]	33.7	34.[illegible]
6[illegible] 12[illegible]0[illegible]	1[illegible].[illegible]	2[illegible].[illegible]	25.[illegible]	27.1	30.[illegible]	31.[illegible]	32.[illegible]	34.[illegible]	34.[illegible]	35.[illegible]
7[illegible] 1[illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	2[illegible].3	32.3	33.7	34.7	36.[illegible]	36.[illegible]	37.[illegible]
8[illegible] 9[illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	27.8	2[illegible].[illegible]	32.[illegible]	34.[illegible]	35.[illegible]	37.[illegible]	37.[illegible]	3[illegible].1
9[illegible] [illegible]0[illegible]	2[illegible].1	2[illegible].[illegible]	3[illegible].[illegible]	33.[illegible]	37.[illegible]	39.1	4[illegible].[illegible]	42.[illegible]	42.[illegible]	43.[illegible]
1[illegible] 7[illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	31.[illegible]	33.[illegible]	3[illegible].[illegible]	40.2	41.7	43.[illegible]	43.[illegible]	44.[illegible]
1[illegible] [illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	41.6	42.[illegible]	44.[illegible]	44.[illegible]	45.[illegible]
1[illegible] [illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	42.[illegible]	43.[illegible]	45.[illegible]	45.[illegible]	46.[illegible]
1[illegible] [illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	42.[illegible]	44.4	4[illegible].[illegible]	4[illegible].[illegible]	4[illegible].[illegible]
1[illegible] [illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	4[illegible].[illegible]	42.[illegible]	43.[illegible]	44.[illegible]	44.[illegible]	45.[illegible]
1[illegible] [illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	4[illegible].[illegible]	42.[illegible]	43.[illegible]	44.[illegible]	44.[illegible]	45.[illegible]
2[illegible] [illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	4[illegible].[illegible]	42.[illegible]	43.[illegible]	44.[illegible]	44.[illegible]	45.[illegible]
2[illegible] [illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	4[illegible].[illegible]	42.[illegible]	43.[illegible]	44.[illegible]	44.[illegible]	45.[illegible]
2[illegible] [illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	4[illegible].[illegible]	42.[illegible]	43.[illegible]	44.[illegible]	44.[illegible]	45.[illegible]
2[illegible] [illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	4[illegible].[illegible]	42.[illegible]	43.[illegible]	44.[illegible]	44.[illegible]	45.[illegible]
2[illegible] [illegible]0[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	4[illegible].[illegible]	42.[illegible]	43.[illegible]	44.[illegible]	44.[illegible]	45.[illegible]

TOTAL [illegible] OBSERVATIONS 8[illegible]

TASK FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] YEARS RAF UK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: MAY HOURS: 06-09

VISIBILITY IN METERS										
≥	9C	8F	8F	8B	8E	8C	8B	8F	8E	8E
[illegible]	32	24	23	16	12	10	08	06	04	00
[illegible]	29.2	27.4	27.5	27.1	23.5	23.9	28.9	29.1	29.2	29.5
[illegible]	31.[illegible]	33.2	33.3	34.3	34.7	34.9	35.1	35.3	35.4	35.7
31.3	31.4	33.4	33.5	34.2	34.9	35.2	35.3	35.5	35.5	35.9
31.3	31.3	33.4	33.5	34.2	34.9	35.2	35.3	35.5	35.5	35.9
31.1	31.3	33.3	33.7	34.3	35.1	35.3	35.4	35.5	35.7	36.0
32.4	32.5	34.2	34.3	34.9	35.7	35.9	36.0	36.2	36.3	36.7
[illegible]	36.7	36.[illegible]	36.9	37.5	38.3	38.5	38.6	38.9	38.9	39.2
36.9	37.3	37.3	37.4	38.1	38.9	39.1	39.2	39.5	39.5	40.0
[illegible]	41.[illegible]	42.9	43.1	43.9	44.7	44.9	45.1	45.4	45.5	45.9
[illegible]	41.7	44.2	44.5	45.3	46.1	46.3	46.5	46.9	47.0	47.4
43.4	43.9	45.6	45.7	46.5	47.3	47.5	47.6	48.1	48.2	48.6
[illegible]	49.2	49.7	49.1	50.1	50.9	51.1	51.3	51.7	51.8	52.3
[illegible]	53.3	53.5	53.9	53.9	54.7	54.9	55.2	55.3	55.7	56.1
56.3	[illegible]	57.1	57.5	58.[illegible]	59.7	59.9	60.1	60.5	60.6	61.1
[illegible]	59.3	59.5	60.0	61.2	62.0	62.3	62.5	62.9	63.0	63.4
[illegible]	56.1	58.3	58.5	64.3	65.9	66.1	66.3	66.8	66.9	67.4
[illegible]	63.3	64.9	65.6	66.9	68.1	68.3	68.5	68.9	69.0	69.5
[illegible]	69.[illegible]	67.6	67.5	69.6	70.[illegible]	71.0	71.2	71.5	71.7	72.3
72.3	69.3	69.3	69.9	70.2	71.4	71.6	71.8	72.3	72.4	72.9
72.3	69.5	73.2	73.3	75.2	76.3	76.5	76.9	77.3	77.4	78.0
74.4	72.3	75.7	76.3	77.4	78.3	78.0	78.4	79.[illegible]	79.9	80.4
[illegible]	74.4	77.2	78.[illegible]	80.2	81.4	81.6	81.9	82.4	82.5	83.0
[illegible]	75.[illegible]	77.2	78.0	81.4	82.5	82.[illegible]	83.1	83.5	83.7	84.2
[illegible]	78.5	80.7	83.3	84.3	86.1	86.3	86.7	87.1	87.2	87.7
87.1	90.3	84.5	85.5	87.2	88.5	88.7	89.0	89.5	89.6	90.1
[illegible]	92.0	86.5	87.4	89.2	90.6	90.9	91.2	91.6	91.7	92.3
[illegible]	93.2	88.0	89.0	91.1	92.7	92.9	93.2	93.7	93.8	94.4
[illegible]	93.[illegible]	93.9	90.0	92.7	94.4	94.6	94.9	95.4	95.5	96.2
[illegible]	93.9	93.2	90.4	93.3	95.4	96.2	96.8	97.5	97.7	98.7
[illegible]	93.9	89.4	90.5	93.4	95.5	96.3	97.1	98.2	98.6	99.7
[illegible]	93.9	89.4	90.5	93.4	95.5	96.3	97.1	98.4	98.8	100.0
[illegible]	93.9	89.4	90.5	93.4	95.5	96.3	97.1	98.4	98.8	100.0

OPERATING LOCATION MAW
USAFETAC, ASH VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 38983 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN ASTERS									
	1/2	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5
	110	37	43	43	43	43	32	24	20	14
CEIL	17.4	19.1	21.4	23.2	24.2	24.2	24.2	24.2	24.2	24.2
22000	25.1	26.2	29.7	31.8	33.2	33.2	33.3	33.3	33.3	33.3
18000	25.1	26.3	29.8	31.7	33.3	33.3	33.4	33.4	33.4	33.4
15000	25.1	26.3	29.8	31.7	33.3	33.3	33.4	33.4	33.4	33.4
14000	25.1	26.3	29.8	31.7	33.3	33.3	33.4	33.4	33.4	33.4
12000	25.1	26.3	29.8	31.7	33.3	33.3	33.4	33.4	33.4	33.4
10000	27.1	27.3	31.3	33.3	35.4	35.4	35.5	35.5	35.5	35.5
9000	27.1	27.3	32.3	34.5	36.5	36.5	36.7	36.7	36.7	36.7
8000	41.3	41.5	39.5	39.7	41.5	41.5	41.7	41.7	41.7	41.7
7000	42.4	42.6	37.5	39.7	42.7	42.8	42.9	42.9	43.1	43.2
6000	40.2	42.2	38.5	38.1	40.2	43.1	43.2	43.3	43.3	43.5
5000	44.3	44.5	41.5	43.7	45.9	47.1	47.2	47.3	47.4	47.6
4500	47.4	47.6	43.3	45.7	47.9	49.2	49.4	49.4	49.5	49.7
4000	49.8	49.9	46.1	48.2	50.3	51.5	51.6	51.7	51.8	51.9
3500	54.0	54.2	50.4	52.7	54.8	56.1	56.3	56.4	56.5	56.6
3000	58.7	58.9	54.7	57.0	59.2	60.4	60.6	60.7	60.8	60.9
2500	63.7	63.9	59.4	61.8	64.0	65.3	65.5	65.6	65.7	65.8
2000	68.7	68.9	64.0	66.5	68.8	70.2	70.4	70.5	70.6	70.7
1800	70.7	71.1	66.2	68.8	71.1	72.6	72.8	72.9	73.0	73.1
1600	72.7	73.1	68.3	70.9	73.4	74.9	75.1	75.2	75.3	75.4
1400	74.7	75.1	70.4	73.0	75.6	77.2	77.4	77.5	77.6	77.7
1200	76.7	77.1	72.5	75.2	77.8	79.4	79.6	79.7	79.8	79.9
1000	78.7	79.1	74.7	77.4	80.0	81.7	81.9	82.0	82.1	82.2
900	79.7	80.1	75.8	78.5	81.2	82.9	83.1	83.2	83.3	83.4
800	80.7	81.1	76.8	79.6	82.3	84.0	84.2	84.3	84.4	84.5
700	81.7	82.1	77.9	80.7	83.4	85.2	85.4	85.5	85.6	85.7
600	82.7	83.1	78.9	81.8	84.5	86.3	86.5	86.6	86.7	86.8
500	83.7	84.1	80.0	82.9	85.7	87.5	87.7	87.8	87.9	88.0
400	84.7	85.1	81.1	84.0	86.8	88.6	88.8	89.0	89.1	89.2
300	85.7	86.1	82.1	85.1	87.9	89.8	90.0	90.1	90.2	90.3
200	86.7	87.1	83.2	86.2	89.0	90.9	91.1	91.2	91.3	91.4
150	87.7	88.1	84.2	87.3	90.1	92.0	92.2	92.3	92.4	92.5
100	88.7	89.1	85.3	88.4	91.2	93.1	93.3	93.4	93.5	93.6
50	89.7	90.1	86.3	89.4	92.3	94.2	94.4	94.5	94.6	94.7
0	90.7	91.1	87.4	90.5	93.4	95.3	95.5	95.6	95.7	95.8

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAY HOURS: 09-11

CEILING IN METERS / VISIBILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
[illegible]	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
[illegible]	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
[illegible]	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
[illegible]	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
[illegible]	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
[illegible]	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
[illegible]	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
[illegible]	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
[illegible]	42.9	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2
[illegible]	43.3	43.3	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7
[illegible]	47.2	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
[illegible]	47.4	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7
[illegible]	55.8	56.9	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
[illegible]	61.8	61.9	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
[illegible]	70.9	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
[illegible]	74.1	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6
[illegible]	79.0	79.1	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
[illegible]	80.5	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
[illegible]	85.1	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
[illegible]	87.8	88.1	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
[illegible]	91.3	91.9	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
[illegible]	92.5	92.6	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
[illegible]	93.9	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
[illegible]	94.6	95.5	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
[illegible]	95.3	96.1	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
[illegible]	96.5	96.8	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
[illegible]	95.7	97.0	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
[illegible]	95.7	97.0	98.1	99.2	99.7	99.7	99.7	99.8	99.8	99.8
[illegible]	95.7	97.0	98.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0
[illegible]	95.7	97.0	98.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0
[illegible]	95.7	97.0	98.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 35583 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

PERIO
MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	1/2	1/2	1	2	3	4	5	6	7	8
	1/2	1	1	2	3	4	5	6	7	8
00 CEIL	16.2	17.2	14.4	14.5	14.7	13.8	14.3	15.4	15.7	1
30 20000	25.5	24.0	24.5	25.7	27.9	29.3	29.3	29.3	29.3	29.7
25 15000	25.7	25.1	24.6	25.3	27.0	28.1	28.1	28.1	28.1	28.1
20 10000	25.7	25.1	24.6	25.3	27.0	28.1	28.1	28.1	28.1	28.1
15 7000	25.7	25.1	24.6	25.3	27.0	28.1	28.1	28.1	28.1	28.1
12 5000	25.2	25.7	24.1	25.4	27.5	28.7	28.7	28.7	28.7	28.7
10 3000	27.3	27.7	30.6	30.9	31.3	31.1	31.1	31.1	31.1	31.1
9 2500	28.3	28.4	31.2	31.4	31.6	31.7	31.7	31.7	31.7	31.7
8 2000	31.3	31.4	35.2	35.4	35.9	36.0	36.0	36.0	36.0	36.
7 1800	32.3	33.3	36.8	36.9	37.3	37.4	37.4	37.4	37.4	37.4
6 1600	34.5	35.1	38.3	38.5	39.0	39.1	39.1	39.1	39.1	39.1
5 1500	40.5	41.2	43.5	43.8	44.3	44.7	44.7	44.7	44.7	44.7
4 1400	44.	44.6	47.3	47.8	50.3	51.0	51.0	51.0	51.	51.
3 1300	54.2	55.2	58.1	58.3	51.4	52.7	52.8	52.8	52.	52.
2 1200	62.4	63.1	67.2	70.4	71.3	71.4	71.4	71.4	71.4	71.4
1 1000	69.7	71.2	75.2	80.1	81.7	81.8	81.8	81.8	81.8	81.
30 3000	71.7	73.2	81.3	85.4	86.4	86.5	86.5	86.5	86.5	86.
25 2500	73.4	75.3	84.9	87.1	88.2	88.4	88.4	88.4	88.4	88.4
20 2000	73.9	75.4	85.3	87.4	88.6	88.7	88.7	88.7	88.7	88.7
15 1500	74.3	75.5	86.7	89.3	91.1	91.3	91.3	91.3	91.3	91.3
12 1200	75.0	77.4	86.3	91.3	93.7	94.2	94.3	94.4	94.4	94.4
10 1000	75.3	77.4	87.3	92.2	94.5	95.3	95.7	95.8	95.8	95.8
9 900	75.4	77.4	87.3	92.2	94.5	95.3	95.7	95.8	95.8	95.8
8 800	75.4	77.4	87.4	92.5	95.2	96.0	96.5	97.2	97.2	97.2
7 700	75.5	77.4	87.4	92.5	95.4	96.2	97.1	97.1	97.2	97.3
6 600	75.5	77.4	87.4	92.5	95.5	96.5	97.3	97.3	97.4	97.4
5 500	75.5	77.4	87.4	92.7	95.7	96.3	97.3	97.5	97.5	97.7
4 400	75.5	77.4	87.4	92.7	95.7	96.3	97.4	97.6	97.6	97.7
3 300	75.5	77.4	87.4	92.7	95.7	96.3	97.4	97.6	97.6	97.7
2 200	75.5	77.4	87.4	92.7	95.7	96.3	97.3	97.6	97.6	97.7
1 100	75.5	77.4	87.4	92.7	95.7	96.3	97.4	97.6	97.6	97.7
0 000	75.5	77.4	87.4	92.7	95.7	96.3	97.4	97.6	97.6	97.7

TOTAL NUMBER OF OBSERVATIONS 930

...TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...REYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: MAY HOURS: 12-14

CEILING IN HUNDREDS OF FEET / VISIBILITY IN METERS	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
	95.9	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	95.9	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	96.0	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
	96.2	97.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
	96.6	97.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
	96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
	96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
	96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
	96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
	96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
	96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0

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

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE 96	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	[illegible]	19.[illegible]	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.4
GE 20000	[illegible]	27.0	30.0	30.1	30.2	30.2	30.2	30.2	30.2	30.2
GE 18000	27.1	27.3	30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.5
GE 16000	27.1	27.3	30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.5
GE 14000	27.2	27.4	30.4	30.5	30.6	30.6	30.6	30.6	30.6	30.6
GE 12000	28.0	[illegible]	31.2	31.3	31.4	31.4	31.4	31.4	31.4	31.4
GE 10000	29.[illegible]	30.1	33.7	33.9	34.2	34.2	34.2	34.2	34.2	34.2
GE 9000	30.6	30.9	34.6	34.8	35.3	35.3	35.4	35.4	35.4	35.4
GE 8000	34.7	35.1	39.4	39.6	40.3	40.3	40.4	40.4	40.4	40.4
GE 7000	35.7	36.[illegible]	40.[illegible]	41.3	41.8	41.8	41.9	41.9	41.9	41.9
GE 6000	37.4	37.7	42.7	43.5	44.3	44.3	44.4	44.4	44.4	44.4
GE 5000	44.[illegible]	44.[illegible]	50.[illegible]	51.7	52.5	52.5	52.6	52.6	52.6	52.6
GE 4500	52.[illegible]	52.5	58.3	59.7	60.4	60.4	60.5	60.5	60.5	60.5
GE 4000	61.[illegible]	61.4	69.2	70.5	71.7	71.7	71.[illegible]	71.[illegible]	71.[illegible]	71.[illegible]
GE 3500	66.[illegible]	66.6	77.1	77.6	79.0	79.9	80.0	80.0	80.0	[illegible]
GE 3000	73.[illegible]	74.4	83.3	85.6	86.[illegible]	86.9	87.0	87.0	87.[illegible]	[illegible]7.[illegible]
GE 2500	74.7	75.7	85.1	87.5	89.0	89.1	89.2	89.2	89.2	[illegible]
GE 2000	75.5	76.7	87.2	89.[illegible]	91.6	91.7	91.8	91.8	91.[illegible]	91.[illegible]
GE 1800	75.7	76.[illegible]	87.3	89.9	91.7	91.9	92.0	92.0	92.0	92.[illegible]
GE 1500	76.5	77.4	88.4	91.5	93.9	94.1	94.3	94.4	94.4	94.4
GE 1200	76.[illegible]	77.[illegible]	89.1	92.4	94.5	95.3	95.5	95.[illegible]	95.[illegible]	[illegible]
GE 1000	76.[illegible]	77.[illegible]	90.0	93.2	95.5	96.1	96.5	96.7	96.7	96.[illegible]
GE 900	76.[illegible]	78.0	90.0	93.3	95.7	96.3	96.7	97.3	97.3	97.[illegible]
GE 800	77.0	78.1	90.1	93.4	96.0	96.5	97.1	98.3	98.3	[illegible]
GE 700	77.0	78.1	90.1	93.4	96.2	97.0	97.4	98.5	98.5	9[illegible]
GE 600	77.0	78.1	90.2	93.5	96.3	97.1	97.5	98.9	98.9	9[illegible]
GE 500	77.0	78.1	90.2	93.5	96.5	97.3	97.7	99.2	99.2	99.[illegible]
GE 400	77.0	78.1	90.2	93.5	96.6	97.3	97.7	99.2	99.2	99.[illegible]
GE 300	77.0	78.1	90.2	93.5	96.5	97.3	97.7	99.2	99.2	99.[illegible]
GE 200	77.0	78.1	90.2	93.5	96.5	97.3	97.7	99.2	99.2	99.[illegible]
GE 100	77.0	78.1	90.2	93.5	96.6	97.3	97.7	99.2	99.2	99.[illegible]
GE 000	77.0	78.1	90.2	93.5	96.6	97.3	97.7	99.2	99.2	99.[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] UK PERIOD OF RECORD: JUL 74 - JUN 85
MONTH: MAY HOURS: 15-17

CEILING IN HUNDREDS OF FEET / VISIBILITY IN METERS										
80	32	24	20	16	12	10	08	06	04	00
30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
96.9	97.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
97.0	97.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
97.1	97.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
97.3	97.7	99.2	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9
97.3	97.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.3	97.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.3	97.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.3	97.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.3	97.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0

OPERATIONS LOCATION "A"
USAFFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST DIFFERENTIAL: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	10+	9+	8+	5+	5+	4+	3+	2+	1+	1+
	11+	9+	8+	5+	5+	4+	3+	2+	1+	1+
ALL CEIL	28.0	28.4	34.4	29.9	31.3	30.4	30.4	30.7	30.9	31.
22000	44.7	44.2	40.3	41.5	42.2	42.3	42.5	42.7	42.7	42.
17000	44.7	44.3	40.3	41.7	42.3	42.4	42.7	42.9	42.9	42.
15000	44.7	44.3	40.3	41.7	42.3	42.4	42.7	42.9	42.9	42.
14000	44.7	44.4	41.5	41.9	42.5	42.5	42.9	43.1	43.1	43.
12000	45.5	45.7	41.7	42.4	43.4	43.5	43.9	44.1	44.1	44.
10000	46.1	46.2	43.3	43.9	44.7	44.9	45.2	45.3	45.3	45.
9000	47.2	47.5	44.3	45.4	46.3	46.5	46.8	46.9	46.9	47.
8000	49.7	49.1	50.0	51.2	52.3	52.4	52.7	52.8	52.9	53.
7000	51.4	51.4	53.1	54.4	55.5	55.5	55.9	56.1	56.2	56.
6000	57.1	57.5	59.3	60.6	61.1	60.2	61.6	61.8	61.9	62.
5000	61.1	62.5	65.4	67.4	68.4	68.4	68.8	69.2	69.2	69.
4500	67.0	67.5	69.8	72.3	73.4	73.3	73.7	73.9	73.9	74.
4000	69.3	69.6	72.3	74.7	76.1	76.2	76.6	76.8	76.8	77.
3500	70.7	71.0	73.7	76.5	78.3	78.6	79.2	79.4	79.5	79.
3000	71.3	71.7	74.3	77.5	79.3	79.6	80.4	80.7	80.8	81.
2500	71.3	72.2	74.3	77.5	79.4	79.7	81.5	81.8	81.9	81.
2000	71.	72.2	74.3	77.5	79.4	79.7	81.5	81.8	81.9	81.
1800	71.3	72.2	74.3	77.5	79.4	79.7	81.5	81.8	81.9	81.
1500	72.3	73.2	75.3	78.4	80.4	81.0	82.8	83.1	83.2	83.
1200	72.4	73.3	75.3	78.7	80.4	81.0	82.8	83.1	83.2	83.
1000	72.7	73.7	75.7	79.0	80.7	81.3	83.1	83.4	83.5	83.
900	72.7	73.7	75.7	79.0	80.7	81.3	83.1	83.4	83.5	83.
800	72.7	73.7	75.7	79.0	80.7	81.3	83.1	83.4	83.5	83.
700	72.7	73.7	75.7	79.0	80.7	81.3	83.1	83.4	83.5	83.
600	72.7	73.7	75.7	79.0	80.7	81.3	83.1	83.4	83.5	83.
500	72.7	73.8	75.8	79.2	80.9	81.5	83.3	83.6	83.7	83.
400	72.7	73.8	75.8	79.2	80.9	81.5	83.3	83.6	83.7	83.
300	72.7	73.8	75.8	79.2	80.9	81.5	83.3	83.6	83.7	83.
200	72.7	73.8	75.8	79.2	80.9	81.5	83.3	83.6	83.7	83.
100	72.7	73.8	75.8	79.2	80.9	81.5	83.3	83.6	83.7	83.
000	72.7	73.8	75.8	79.2	80.9	81.5	83.3	83.6	83.7	83.

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]-DAD AAF JK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: MAY HOURS: 18-20

VISIBILITY IN METERS										
[illegible]	3200	2400	2000	1600	1200	1000	0800	0600	0400	0000
[illegible]	32	24	20	16	12	10	08	06	04	00
[illegible]	30.8	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0
[illegible]	42.5	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8
[illegible]	42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9
[illegible]	42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9
[illegible]	42.9	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1
[illegible]	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1
[illegible]	45.2	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4
[illegible]	45.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0
[illegible]	52.7	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0
[illegible]	55.9	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2
[illegible]	58.5	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0
[illegible]	54.3	55.2	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.5
71.3	71.7	72.0	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4
[illegible]	82.2	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8
[illegible]	86.2	86.5	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9
[illegible]	89.4	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1
[illegible]	91.5	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5
[illegible]	92.2	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2
[illegible]	92.5	93.2	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5
[illegible]	94.1	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2
[illegible]	94.5	95.4	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7
[illegible]	95.7	96.5	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8
[illegible]	95.7	96.5	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0
[illegible]	96.1	97.2	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8
[illegible]	98.3	98.1	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7
[illegible]	97.3	98.5	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2
[illegible]	97.3	98.6	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7
[illegible]	97.3	98.7	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9
[illegible]	97.4	98.8	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0
[illegible]	97.4	98.8	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0
[illegible]	97.4	98.8	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0
[illegible]	97.4	98.8	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 13583 STATION NAME: UPPER HOLSTON DAM TN
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	11265	9656	8047	6437	4828	4023	3219	2414	1609	
NO CEIL	38.1	39.3	41.4	42.6	44.3	44.7	44.9	45.2	45.6	4
22000	42.1	43.3	47.1	48.4	50.3	51.2	51.3	51.9	51.9	5
18000	42.1	43.3	47.1	48.4	50.9	51.3	51.9	52.0	52.3	5
15000	42.1	43.3	47.1	48.4	50.9	51.3	51.9	52.0	52.3	5
14000	42.1	43.3	47.1	48.4	50.9	51.3	51.9	52.0	52.3	5
12000	42.1	43.4	47.3	48.7	51.1	51.5	52.1	52.2	52.3	5
10000	43.1	44.3	47.5	49.2	51.7	52.1	52.5	52.7	52.7	5
9000	44.1	44.3	47.5	49.4	52.0	52.4	53.1	53.4	53.7	5
8000	47.1	47.3	50.3	52.4	54.7	55.0	55.3	55.7	55.9	5
7000	49.4	50.1	53.4	56.3	58.2	58.7	59.4	59.8	60.0	6
6000	51.2	51.7	55.5	57.3	61.0	61.6	62.2	62.5	62.5	6
5000	57.3	58.1	61.3	63.4	66.3	66.8	67.2	67.1	67.1	6
4500	61.1	61.3	65.0	67.5	70.9	71.7	72.4	72.5	72.5	7
4000	64.3	65.4	69.3	71.2	74.2	75.0	75.4	75.6	75.7	7
3500	68.0	68.1	72.1	74.1	76.9	77.1	78.0	78.1	78.2	7
3000	71.4	72.4	75.9	78.1	80.1	81.1	82.0	82.1	82.2	8
2500	73.1	73.3	77.7	79.7	84.0	85.1	86.2	86.7	86.8	8
2200	73.1	73.3	78.3	81.4	86.9	87.2	88.0	88.7	88.8	8
2000	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
1800	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
1600	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
1500	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
1400	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
1300	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
1200	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
1100	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
1000	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
900	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
800	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
700	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
600	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
500	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
400	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
300	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
200	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
100	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8
000	73.1	73.4	78.4	81.5	87.1	87.4	88.2	88.4	89.1	8

TOTAL NUMBER OF OBSERVATIONS 929

ENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FOR BEYE IRQ RAF UK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: MAY HOURS: 21-23

CEILING IN METERS	VISIBILITY IN METERS									
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	44.7	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
	51.2	51.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
	51.3	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
	51.3	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
	51.3	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
	51.5	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
	52.1	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
	53.1	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
	53.3	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
	59.7	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
	61.5	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
	56.3	57.0	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2
	73.7	74.4	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6
	73.8	73.4	73.5	73.7	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9
	31.1	32.0	32.1	32.2	32.3	32.3	32.5	32.5	32.5	32.5	32.5	32.5
	34.3	35.4	35.4	35.9	35.9	35.9	36.1	36.1	36.1	36.1	36.1	36.1
	86.1	86.2	86.7	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0
	87.2	88.3	88.7	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
	87.4	88.5	88.9	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
	90.7	91.1	91.6	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
	92.5	92.1	92.7	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1
	91.5	93.3	93.9	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3
	92.3	93.9	94.5	94.8	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2
	92.3	94.5	95.4	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9
	93.4	95.3	96.0	96.2	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6
	93.5	95.7	96.4	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0
	94.3	96.7	97.5	97.1	98.4	98.5	98.8	98.8	98.8	98.8	98.8	98.8
	94.7	97.2	98.5	98.9	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
	94.7	97.3	98.6	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
	94.7	97.3	98.6	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
	94.7	97.3	98.6	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
	94.7	97.3	98.6	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION: MAN
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 03853 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET				VISIBILITY IN MILES						
NO CEIL	24.3	24.3	27.7	29.7	30.1	30.4	30.4	31.1	31.2	31.3
22000	25.3	30.3	34.5	36.7	37.5	37.7	38.4	38.6	39.1	44.2
18000	25.3	30.4	34.5	36.3	37.3	38.1	38.2	38.9	39.1	43.6
16000	25.3	30.4	34.5	36.3	37.3	38.1	38.3	38.9	39.1	43.4
14000	30.1	35.4	39.4	41.2	42.2	42.7	42.8	43.1	43.2	47.5
12000	30.4	36.7	41.3	43.3	44.2	44.9	45.0	45.3	45.4	49.7
10000	41.4	51.7	56.2	57.5	58.2	58.9	59.2	59.2	59.3	61.4
9000	42.1	53.1	57.1	58.4	59.7	60.1	60.5	60.6	60.8	62.9
8000	43.2	54.2	58.3	59.5	60.3	60.9	61.2	61.3	61.4	63.4
7000	45.3	57.3	62.3	64.3	65.2	65.7	66.1	66.2	66.3	68.2
6000	47.3	59.4	64.3	66.7	67.8	68.3	68.7	68.8	68.9	70.8
5000	52.3	67.6	73.0	75.6	76.8	77.3	77.7	77.8	77.9	79.7
4500	54.0	69.4	75.3	78.5	79.8	80.3	80.7	80.8	81.1	83.0
4000	54.1	69.4	75.3	78.5	79.8	80.3	80.7	80.8	81.1	83.0
3500	56.1	71.4	77.3	80.5	81.8	82.3	82.7	82.8	83.1	85.1
3000	58.1	73.4	79.4	82.5	83.8	84.3	84.7	84.8	85.1	87.1
2500	61.2	76.5	82.5	85.7	87.0	87.5	87.9	88.0	88.3	90.3
2000	63.2	78.5	84.6	87.8	89.1	89.6	90.0	90.1	90.4	92.4
1800	64.2	79.5	85.6	88.8	90.1	90.6	91.0	91.1	91.4	93.4
1600	64.7	80.1	86.2	89.4	90.7	91.2	91.6	91.7	92.0	94.0
1400	65.2	80.6	86.7	89.9	91.2	91.7	92.1	92.2	92.5	94.5
1200	65.3	80.7	86.8	90.0	91.3	91.8	92.2	92.3	92.6	94.6
1000	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8
900	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8
800	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8
700	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8
600	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8
500	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8
400	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8
300	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8
200	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8
100	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8
000	65.4	80.8	87.0	90.2	91.5	92.0	92.4	92.5	92.8	94.8

TOTAL NUMBER OF OBSERVATIONS 7439

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

... RAF UK PERIOD OF RECORD: JUL 7? - JUN 83
MONTH: MAY HOURS: ALL

...ILITY IN METERS

GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	31.1	31.2	31.5	31.7	31.7	31.8	31.8	31.8	32.0
[illegible]	[illegible]	39.0	39.2	39.5	39.6	39.5	39.5	39.7	39.5
[illegible]	39.2	39.1	39.4	39.6	39.7	39.7	39.8	39.8	40.0
[illegible]	39.2	39.1	39.4	[illegible]	39.7	39.7	39.8	39.8	40.0
[illegible]	39.1	39.2	39.5	39.7	39.8	39.8	39.9	39.9	40.1
39.0	39.5	39.5	39.9	40.1	40.2	40.2	40.3	40.3	40.5
[illegible]	41.2	41.3	41.6	41.8	41.9	41.9	42.0	42.0	42.2
41.5	42.1	[illegible]	42.8	42.9	42.9	42.9	43.0	43.0	43.2
[illegible]	47.2	47.4	47.9	48.1	48.1	48.2	48.2	48.2	48.4
47.1	48.7	[illegible]	49.2	49.5	49.5	49.6	49.7	49.7	49.9
49.5	50.0	50.5	50.8	51.1	51.2	51.2	51.3	51.3	51.5
[illegible]	55.5	[illegible]	55.1	55.4	55.5	55.5	55.5	55.7	55.9
[illegible]	[illegible]	61.1	61.5	[illegible]	61.9	61.9	62.0	62.1	62.3
67.5	[illegible]	68.7	69.1	69.4	69.5	69.5	69.7	69.7	69.9
72.0	[illegible]	73.1	73.5	73.8	73.9	74.0	74.1	74.1	74.3
[illegible]	77.1	78.4	78.0	79.3	79.4	79.4	79.5	79.6	79.8
[illegible]	80.2	[illegible]	81.0	81.4	81.5	81.6	81.7	81.7	81.9
[illegible]	82.9	83.2	83.7	84.1	84.2	84.2	84.4	84.4	84.5
82.4	83.4	83.7	84.2	84.6	84.7	84.7	84.9	84.9	85.1
85.5	86.5	87.0	87.4	87.8	87.9	88.0	88.1	88.1	88.3
87.3	88.4	88.5	89.2	89.7	89.8	89.8	89.9	89.9	90.2
89.0	90.1	90.5	91.1	91.5	91.6	91.6	91.8	91.8	92.0
[illegible]	90.3	91.2	91.8	92.2	92.3	92.4	92.5	92.5	92.7
[illegible]	92.3	92.8	93.4	93.8	93.9	94.0	94.1	94.1	94.3
91.7	93.5	94.0	94.5	95.1	95.2	95.2	95.3	95.4	95.6
92.4	94.2	94.7	95.4	95.9	96.0	96.0	96.1	96.2	96.4
93.1	95.1	95.8	96.7	97.3	97.5	97.5	97.6	97.6	97.9
93.5	95.7	96.4	97.4	98.1	98.3	98.3	98.5	98.6	98.3
93.5	[illegible]	95.5	97.7	98.5	98.8	98.9	99.1	99.2	99.5
93.6	95.3	95.6	97.3	98.6	98.9	99.0	99.4	99.5	99.9
93.6	95.3	95.6	97.3	98.6	98.9	99.0	99.4	99.5	100.0
93.6	95.3	95.6	97.4	98.6	98.9	99.0	99.4	99.6	100.0

OPERATING LOCATION "A" [illegible]
USAF ETAC, [illegible]VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
[illegible] (FROM HOURLY OBSERVATI[illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible] HEYFORD UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS [illegible] 112[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 4[illegible]	[illegible] 40[illegible]	[illegible] 32[illegible]	[illegible] 2[illegible]	[illegible]	[illegible]
NO CEIL	3[illegible].1	[illegible]	37.2	3[illegible]	41.5	42.2	43.1	[illegible]	43.[illegible]	[illegible]
GE 2[illegible]	3[illegible].1	[illegible]	41.[illegible]	42.5	4[illegible]	4[illegible]	47.4	[illegible].1	[illegible].1	4[illegible]
GE 1[illegible]	[illegible].1	[illegible]	41.0	42.5	45.5	45.2	47.4	[illegible].1	[illegible].1	[illegible]
GE 1[illegible]	[illegible].1	[illegible]	41.0	42.5	45.6	45.2	47.4	[illegible].1	[illegible].1	4[illegible]
GE 14[illegible]	[illegible].1	[illegible]	41.[illegible]	42.[illegible]	45.5	[illegible]	47.4	[illegible].1	[illegible].1	[illegible]
GE 12[illegible]	[illegible]	[illegible]	41.1	42.7	45.7	45.3	47.[illegible]	4[illegible]	[illegible]	[illegible]
GE 1[illegible]	[illegible].1	[illegible]	4[illegible]	44.[illegible]	47.[illegible]	[illegible]	4[illegible]	[illegible].1	[illegible].1	[illegible]
GE [illegible]	[illegible].1	[illegible]	44.[illegible]	[illegible]	4[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4[illegible]	49.4	[illegible].7	[illegible].3	[illegible].3	1[illegible]
GE 7[illegible]	[illegible]	[illegible]	4[illegible]	[illegible]	53.[illegible]	[illegible]	[illegible]	[illegible].2	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	4[illegible]	[illegible]	54.1	[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]7.[illegible]	[illegible]
GE [illegible]	43.7	[illegible]	[illegible]	51.[illegible]	55.[illegible]	[illegible]	[illegible]7.[illegible]	[illegible].1	[illegible].1	[illegible]
GE [illegible]	[illegible]7.[illegible]	[illegible].7	[illegible].2	[illegible]7.3	51.4	52.[illegible]	[illegible].7	[illegible]	[illegible].7	[illegible]
GE [illegible]	[illegible]	[illegible]	51.[illegible]	[illegible].1	57.7	[illegible]	7[illegible]	7[illegible]	71.[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible].7	54.7	[illegible]	71.[illegible]	72.4	7[illegible]	7[illegible]	7[illegible]	7[illegible]
GE [illegible]	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]	73.3	74.2	75.7	7[illegible]	7[illegible]	7[illegible]
GE 3[illegible]	[illegible]	[illegible]	[illegible]	7[illegible]	7[illegible]	77.[illegible]	7[illegible]	7[illegible].7	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible]	71.[illegible]	77.[illegible]	7[illegible]	7[illegible]	[illegible].7	[illegible]1.[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	7[illegible].3	73.[illegible]	73.[illegible]	7[illegible]	[illegible]1.[illegible]	[illegible]	[illegible]	[illegible]
GE 1[illegible]	[illegible]	[illegible]1.2	7[illegible]	74.[illegible]	7[illegible].3	[illegible].3	[illegible]	[illegible]	[illegible]	[illegible]
GE 1500	[illegible]1.3	[illegible]	7[illegible]	7[illegible]	[illegible]1.[illegible]	82.[illegible]	[illegible]4.[illegible]	[illegible].7	[illegible]	[illegible]
GE 120[illegible]	[illegible]2.[illegible]	[illegible]	73.[illegible]	77.[illegible]	[illegible]3.4	84.4	[illegible]	[illegible]7.[illegible]	[illegible].1	[illegible]
GE 1[illegible]	[illegible]	[illegible]	74.[illegible]	7[illegible].7	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible].7	[illegible].7	75.1	78.[illegible]	[illegible].4	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	7[illegible]	[illegible].7	87.3	[illegible].4	[illegible]1.[illegible]	[illegible]1.[illegible]	[illegible]	[illegible]
GE 7[illegible]	[illegible]	[illegible].1	77.[illegible]	[illegible]1.[illegible]	[illegible]	[illegible].2	[illegible].1	[illegible]3.[illegible]	[illegible]3.3	[illegible]
GE [illegible]	[illegible]	[illegible].7	77.[illegible]	[illegible]1.[illegible]	[illegible].5	[illegible]	[illegible]2.[illegible]	[illegible]3.3	94.1	[illegible]
GE [illegible]	[illegible]	[illegible]7.[illegible]	7[illegible].1	[illegible]2.5	[illegible]	[illegible]1.3	[illegible]	[illegible]	[illegible].3	[illegible]
GE [illegible]	[illegible]	[illegible]7.1	7[illegible].3	[illegible]3.[illegible]	[illegible]	[illegible]1.[illegible]	[illegible].1	[illegible]7.[illegible]	[illegible]7.3	[illegible]7
GE [illegible]	[illegible]	[illegible]7.1	7[illegible].3	[illegible]3.[illegible]	[illegible].2	[illegible]2.2	[illegible]	[illegible]	[illegible].4	[illegible]
GE [illegible]	[illegible]	[illegible]7.1	73.[illegible]	[illegible]3.[illegible]	[illegible].2	[illegible].3	[illegible]	[illegible].1	93.7	[illegible]
GE 100	[illegible]5.[illegible]	[illegible]7.1	73.3	[illegible]3.[illegible]	[illegible].2	[illegible]2.3	[illegible]5.[illegible]	[illegible].1	93.[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]7.1	7[illegible].3	[illegible]3.[illegible]	9[illegible].2	[illegible]2.3	[illegible]	[illegible].1	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 74 - JUN 88
MONTH: JUN HOURS: 00-02

CEILING IN METRES									
≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
30	24	20	15	12	10	08	06	04	00
43.1	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.8
47.4	48.1	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.4
47.4	48.1	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.4
47.4	48.1	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.4
47.4	48.1	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.4
47.5	48.2	48.2	48.2	48.3	48.3	48.3	48.4	48.4	48.5
49.4	50.1	50.1	50.1	50.2	50.2	50.2	50.3	50.3	50.4
51.7	51.3	51.3	51.3	51.4	51.4	51.4	51.5	51.5	51.7
56.4	56.2	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.6
57.3	57.2	57.2	57.2	57.1	57.1	57.1	57.2	57.2	57.3
58.3	58.1	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.4
64.7	64.6	64.7	64.7	64.8	64.8	64.8	64.9	64.9	65.0
71.3	71.2	71.2	71.2	71.1	71.1	71.1	71.2	71.2	71.3
74.4	74.4	74.4	74.4	75.3	75.2	75.0	75.1	75.1	75.2
76.7	76.6	76.6	76.7	77.0	77.0	77.0	77.1	77.1	77.2
79.4	79.7	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.3
81.4	81.7	81.8	81.8	81.1	81.1	81.1	81.2	81.2	81.3
81.4	82.4	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.4
82.8	83.2	83.6	83.6	83.7	83.7	83.7	83.8	83.8	83.9
84.2	85.7	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.3
87.9	87.9	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.4
89.5	89.6	89.8	89.8	89.9	89.9	89.9	90.0	90.0	90.1
90.1	90.5	90.3	90.3	90.4	90.4	90.4	90.5	90.5	90.7
91.9	91.9	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.6
93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.5	93.6	93.7
93.9	93.8	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.4
96.5	96.0	96.3	96.6	96.7	96.7	96.7	96.8	96.8	96.9
97.1	97.2	97.3	97.6	97.7	97.9	97.9	98.1	98.1	98.2
99.3	99.2	99.4	99.5	99.2	99.1	99.1	99.3	99.3	99.4
99.3	99.1	99.7	99.8	99.1	99.6	99.6	99.8	99.8	99.9
99.7	99.1	99.8	99.1	99.2	99.7	99.7	99.9	99.9	100.0
99.7	99.1	99.8	99.1	99.2	99.7	99.7	99.9	99.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 38563 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	GE 1210	GE 800	GE 600	GE 400	GE 320	GE 240	GE 160	GE 120	GE 80	GE 40
NO CEIL	17.2	17.3	23.1	25.4	27.2	29.4	30.2	31.1	31.5	32.1
GE 20000	18.4	22.3	25.7	28.1	33.4	33.7	34.5	35.0	35.5	37.1
GE 15000	18.4	22.3	25.7	28.1	33.4	33.7	34.5	35.0	35.5	37.1
GE 10000	18.4	22.3	25.7	28.1	33.4	33.7	34.5	35.0	35.5	37.1
GE 14000	20.0	23.5	26.9	29.5	33.7	33.9	34.8	35.2	35.7	37.2
GE 12000	20.2	24.0	27.2	29.8	34.3	34.5	35.4	37.0	37.6	39.2
GE 10000	21.7	25.2	28.5	31.3	35.9	36.1	37.1	38.7	39.2	40.7
GE 9000	22.1	25.6	29.2	31.4	35.7	36.9	37.3	38.4	40.0	40.4
GE 8000	24.3	28.4	33.4	35.0	41.3	41.7	42.3	44.5	45.1	46.2
GE 7000	25.2	29.5	34.4	37.0	42.4	42.1	44.2	45.4	46.3	47.2
GE 6000	27.2	31.7	36.2	38.5	44.4	45.0	46.4	48.1	48.7	49.5
GE 5000	31.3	35.7	40.3	43.9	50.5	51.2	52.9	54.4	55.4	56.3
GE 4500	34.7	39.2	44.3	47.4	55.4	56.2	57.4	59.3	60.4	61.4
GE 4000	36.4	41.4	47.2	51.5	58.5	59.4	62.3	64.4	65.3	66.1
GE 3500	37.4	42.7	48.7	53.3	61.3	62.2	64.1	66.2	66.3	67.9
GE 3000	38.4	43.6	49.9	54.7	63.0	64.0	66.2	68.4	69.0	70.2
GE 2500	39.1	44.1	50.4	55.2	63.9	64.9	67.1	69.3	69.9	71.1
GE 2000	40.7	41.9	52.4	57.3	66.2	67.4	69.4	72.3	72.9	74.1
GE 1800	41.2	42.3	53.0	58.0	67.0	68.2	70.5	73.1	73.7	75.1
GE 1600	42.7	43.8	54.8	59.2	68.5	70.3	73.1	75.1	75.8	77.1
GE 1200	43.4	44.5	55.4	61.1	70.6	71.8	74.2	77.2	77.9	79.4
GE 1000	44.3	45.1	55.3	62.1	71.7	72.9	75.3	78.6	79.2	80.7
GE 900	44.4	45.5	57.3	62.7	72.3	73.5	76.0	79.2	79.9	81.4
GE 800	45.3	46.1	57.7	63.5	73.2	74.4	77.0	80.2	80.9	82.4
GE 700	45.5	46.7	58.2	64.0	73.1	76.5	79.2	82.4	83.4	85.2
GE 600	45.9	47.0	59.2	65.4	75.3	77.8	80.7	84.7	85.5	87.3
GE 500	46.3	47.7	60.4	66.7	77.4	78.4	82.7	87.0	88.0	89.9
GE 400	46.3	47.8	61.0	67.2	78.4	80.1	83.6	87.8	88.9	91.7
GE 300	46.3	47.8	61.0	67.2	78.7	80.3	84.0	88.1	91.1	93.9
GE 200	46.3	47.8	61.0	67.2	78.7	80.3	84.0	90.1	91.7	94.1
GE 100	46.3	47.8	61.0	67.2	78.7	80.3	84.0	90.1	91.8	94.2
GE 000	46.3	47.8	61.0	67.2	78.7	80.3	84.0	90.1	91.8	94.2

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 79 - JUN 84
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	29.4	30.2	31.1	31.5	32.0	32.4	32.7	32.7	32.7	32.8	33.2
[illegible]	33.7	34.5	35.0	35.6	37.0	37.4	37.7	37.7	37.7	37.8	38.2
[illegible]	33.7	34.5	35.0	35.5	37.0	37.4	37.7	37.7	37.7	37.8	38.2
[illegible]	33.7	34.5	35.0	35.5	37.0	37.4	37.7	37.7	37.7	37.8	38.2
[illegible]	33.9	34.8	35.2	35.8	37.2	37.7	37.9	37.9	37.9	38.0	38.4
[illegible]	34.6	35.4	37.0	37.6	38.0	38.4	38.7	38.7	38.7	38.9	39.2
[illegible]	36.1	37.1	38.7	39.2	39.7	40.1	40.3	40.3	40.3	40.4	40.9
[illegible]	36.9	37.9	39.4	40.0	40.4	40.9	41.1	41.1	41.1	41.2	41.8
[illegible]	41.7	43.0	44.6	45.1	45.9	46.4	46.7	46.7	46.7	46.8	47.3
[illegible]	42.2	44.2	45.8	46.3	47.2	47.7	47.9	47.9	47.9	48.0	48.6
[illegible]	45.0	46.4	48.1	48.7	49.5	50.0	50.2	50.2	50.2	50.3	50.9
[illegible]	51.2	52.9	54.9	55.4	56.3	56.8	57.0	57.0	57.0	57.1	57.8
[illegible]	56.2	57.9	59.9	60.4	61.4	61.9	62.2	62.2	62.2	62.3	63.0
[illegible]	56.9	58.3	60.4	61.0	66.1	66.6	66.9	66.9	66.9	67.0	67.7
[illegible]	58.2	60.1	62.2	62.8	67.9	68.3	68.7	68.7	68.7	68.8	69.4
[illegible]	64.0	66.2	68.4	69.0	70.2	70.7	71.0	71.0	71.0	71.1	71.8
[illegible]	64.9	67.1	69.3	69.9	71.1	71.8	72.1	72.1	72.1	72.2	72.9
[illegible]	67.4	69.6	72.3	72.9	74.2	74.9	75.2	75.2	75.2	75.3	76.0
[illegible]	68.2	70.6	73.1	73.7	75.0	75.7	76.0	76.0	76.0	76.1	76.8
[illegible]	70.8	73.1	76.1	76.8	78.1	78.8	79.1	79.1	79.1	79.2	79.9
[illegible]	71.8	74.2	77.2	77.9	79.4	80.3	80.7	80.7	80.7	80.8	81.4
[illegible]	72.9	75.3	78.6	79.2	80.8	81.7	82.0	82.0	82.0	82.1	82.8
[illegible]	73.5	76.0	79.2	79.9	81.4	82.3	82.7	82.7	82.7	82.8	83.4
[illegible]	74.4	77.0	80.2	80.9	82.4	83.3	83.8	83.8	83.8	83.9	84.6
[illegible]	76.5	79.2	82.8	83.4	85.2	86.2	86.7	86.7	86.7	86.8	87.4
[illegible]	77.8	80.7	84.7	85.6	87.3	88.3	89.0	89.0	89.0	89.1	89.8
[illegible]	79.4	82.7	87.0	88.0	89.9	91.1	91.8	91.9	91.9	92.0	92.7
[illegible]	80.1	83.6	88.8	89.9	91.9	93.2	94.1	94.4	94.6	94.7	95.3
[illegible]	80.3	84.0	89.9	91.1	93.3	94.9	95.9	96.3	96.4	96.7	97.3
[illegible]	80.3	84.0	90.1	91.7	94.1	95.9	97.0	97.6	97.8	98.1	99.1
[illegible]	80.3	84.0	90.1	91.8	94.2	96.1	97.2	97.8	98.2	98.3	100.0
[illegible]	80.3	84.0	90.1	91.8	94.2	96.1	97.2	97.8	98.2	98.3	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	GE 112	GE 97	GE 80	GE 50	GE 42	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	15.1	15.1	19.4	20.6	23.7	24.6	25.1	25.9	26.3	26.4
GE 20000	19.4	19.9	25.3	26.3	30.6	31.7	32.5	33.4	33.8	34.3
GE 18000	19.4	19.9	25.3	26.5	30.6	31.7	32.5	33.4	33.8	34.3
GE 16000	19.4	19.9	25.3	26.5	30.5	31.7	32.5	33.5	33.9	34.3
GE 14000	19.8	20.2	25.7	27.1	30.9	32.0	32.9	33.9	34.1	34.7
GE 12000	20.5	20.9	26.3	27.9	31.7	32.8	33.7	34.7	35.0	35.5
GE 10000	23.0	23.4	29.3	31.1	35.0	36.1	37.2	38.3	38.7	39.3
GE 9000	23.4	24.0	30.1	31.9	36.0	37.1	38.2	39.3	39.8	40.3
GE 8000	24.5	25.1	31.2	33.0	37.9	39.0	40.2	41.3	41.8	42.4
GE 7000	25.5	26.2	32.2	34.0	38.9	40.0	41.2	42.3	42.8	43.4
GE 6000	26.1	26.8	33.0	34.8	39.7	40.8	42.0	43.1	43.6	44.2
GE 5000	27.1	27.8	34.2	36.0	40.9	42.0	43.2	44.3	44.8	45.4
GE 4500	27.5	28.2	34.7	36.5	41.4	42.5	43.7	44.8	45.3	45.9
GE 4000	27.9	28.6	35.2	37.0	41.9	43.0	44.2	45.3	45.8	46.4
GE 3500	28.3	29.0	35.7	37.5	42.4	43.5	44.7	45.8	46.3	46.9
GE 3000	28.7	29.4	36.2	38.0	42.9	44.0	45.2	46.3	46.8	47.4
GE 2500	29.5	30.2	37.1	38.9	43.8	44.9	46.1	47.2	47.7	48.3
GE 2000	30.3	31.0	38.0	39.8	44.7	45.8	47.0	48.1	48.6	49.2
GE 1800	30.7	31.4	38.4	40.2	45.2	46.3	47.5	48.6	49.1	49.7
GE 1600	31.1	31.8	38.9	40.7	45.7	46.8	48.0	49.1	49.6	50.2
GE 1400	31.5	32.2	39.4	41.2	46.2	47.3	48.5	49.6	50.1	50.7
GE 1200	31.9	32.6	39.9	41.7	46.7	47.8	49.0	50.1	50.6	51.2
GE 1000	32.4	33.1	40.5	42.3	47.4	48.5	49.7	50.8	51.3	51.9
GE 900	32.6	33.3	40.7	42.5	47.6	48.7	49.9	51.0	51.5	52.1
GE 800	32.8	33.5	41.0	42.8	47.9	49.0	50.2	51.3	51.8	52.4
GE 700	33.0	33.7	41.2	43.0	48.1	49.2	50.4	51.5	52.0	52.6
GE 600	33.3	34.0	41.5	43.3	48.4	49.5	50.7	51.8	52.3	52.9
GE 500	33.4	34.1	41.6	43.4	48.5	49.6	50.8	51.9	52.4	53.0
GE 400	33.4	34.1	41.6	43.4	48.5	49.6	50.8	51.9	52.4	53.0
GE 300	33.4	34.1	41.6	43.4	48.5	49.6	50.8	51.9	52.4	53.0
GE 200	33.4	34.1	41.6	43.4	48.5	49.6	50.8	51.9	52.4	53.0
GE 100	33.4	34.1	41.6	43.4	48.5	49.6	50.8	51.9	52.4	53.0
GE 000	33.4	34.1	41.6	43.4	48.5	49.6	50.8	51.9	52.4	53.0

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

(U) RAF JK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUN HOURS: 06-09

CEILING IN METERS / VISIBILITY GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
25.1	25.9	26.0	26.4	26.8	26.8	26.8	26.8	26.8	26.8
32.6	33.6	33.8	34.3	34.7	34.7	34.7	34.7	34.7	34.7
32.6	33.6	33.8	34.3	34.7	34.7	34.7	34.7	34.7	34.7
32.6	33.6	33.8	34.3	34.7	34.7	34.7	34.7	34.7	34.7
32.9	33.9	34.1	34.7	35.0	35.0	35.0	35.0	35.0	35.0
33.7	34.7	35.0	35.6	35.9	35.9	35.9	35.9	35.9	35.9
37.2	38.3	38.6	39.3	39.7	39.7	39.7	39.7	39.7	39.7
38.2	39.3	39.6	40.3	40.7	40.7	40.7	40.7	40.7	40.8
42.8	43.4	44.0	44.6	44.9	44.9	44.9	44.9	44.9	45.0
44.3	45.4	46.0	46.6	46.9	46.9	46.9	46.9	46.9	47.0
45.6	47.0	47.6	48.1	48.4	48.4	48.4	48.4	48.4	48.6
50.0	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.1
52.7	54.2	54.9	55.4	55.8	55.8	55.8	55.8	55.8	55.9
59.9	59.7	59.8	59.9	60.2	60.2	60.2	60.2	60.2	60.3
61.9	60.7	61.3	61.9	62.3	62.3	62.3	62.3	62.3	62.4
63.2	65.1	65.9	66.4	66.9	66.9	66.9	66.9	66.9	67.0
64.1	65.9	67.5	68.3	68.9	68.9	68.9	68.9	68.9	69.0
67.5	69.6	70.4	71.0	71.6	71.7	71.7	71.7	71.7	71.8
69.3	70.3	71.2	71.8	72.3	72.4	72.4	72.4	72.4	72.5
71.9	74.1	75.0	75.6	76.1	76.2	76.2	76.2	76.2	76.3
73.4	75.7	76.6	77.2	77.8	77.9	77.9	77.9	77.9	78.0
75.6	77.8	78.8	79.6	80.2	80.3	80.3	80.3	80.3	80.4
76.6	78.8	79.8	80.6	81.2	81.3	81.3	81.3	81.3	81.4
78.0	80.2	81.2	82.1	82.8	82.9	82.9	82.9	82.9	83.0
80.2	82.4	83.4	84.4	85.2	85.3	85.3	85.3	85.3	85.4
82.1	85.0	86.1	87.1	87.9	88.1	88.1	88.3	88.3	88.4
85.0	89.4	90.9	91.9	92.8	93.0	93.0	93.2	93.2	93.3
85.3	90.3	92.0	93.3	94.4	94.8	94.8	95.1	95.1	95.2
86.0	91.1	93.3	95.1	96.3	96.9	96.9	97.2	97.4	97.6
86.0	91.4	93.7	95.8	97.1	97.8	97.9	98.4	98.7	99.1
86.0	91.4	93.7	95.8	97.1	97.8	97.9	98.9	99.1	100.0
86.0	91.4	93.7	95.8	97.1	97.8	97.9	98.9	99.1	100.0

OPERATING LOCATION "A"
MCAFEE, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13583 STATION NAME: UPPER BEYHOND RAP OK PERI
LST TO UTC: - 0 MONT

CEILING IN FEET	VISIBILITY IN METERS									
	11?	??	?0	50	4?	40	32	24	20	16
NO CEIL	13.?	13.?	16.?	17.?	18.?	18.?	19.4	19.4	19.4	19.
5? 20???	19.?	??.?	23.2	24.7	25.3	26.?	27.1	27.1	27.1	27.
5? 15???	19.?	??.1	23.3	24.?	25.4	26.?	27.2	27.2	27.2	27.
5? 10???	19.?	??.1	23.3	24.5	25.4	26.?	27.2	27.2	27.2	27.
3? 14???	??.?	21.?	24.2	25.7	27.3	27.?	28.1	28.1	28.1	28.
5? 12???	??.?	?1.?	24.7	26.?	27.?	2?.?	25.7	28.7	28.7	2?.
5? 10???	2?.?	??.?	??.1	31.?	32.?	33.2	33.?	33.?	33.?	33.
5? ??0?	25.?	??.?	??.1	32.?	33.?	34.2	34.?	34.?	34.?	34.
5? ??0?	27.?	?5.7	32.?	34.7	35.7	37.3	37.7	37.7	37.7	37.
0? 7???	?5.?	??.?	33.?	35.?	37.3	38.?	38.?	38.?	38.?	3?.
5? ?3??	2?.?	??.?	34.5	36.?	38.?	39.1	39.?	39.?	39.?	3?.
5? 5???	??.?	??.1	38.?	40.?	42.?	43.5	43.?	44.1	44.?	44.
5? 4???	??.?	??.?	41.?	43.?	46.5	47.2	47.5	47.?	47.?	47.
5? 4???	4?.?	??.?	??.?	50.?	53.2	54.?	54.?	54.?	54.?	54.
3? 3?0?	??.?	??.?	54.?	57.?	59.5	61.?	62.?	62.?	62.?	62.
5? 3???	55.?	??.?	5?.?	55.?	5?.?	7?.?	71.?	71.?	71.?	71.
5? 2?0?	??.?	??.1	??.?	71.?	75.?	75.?	75.?	75.?	75.?	75.
5? 2???	??.?	??.?	73.?	75.?	79.?	?0.?	?1.?	?1.2	?1.?	?1.
5? 1???	5?.?	??.?	73.?	76.?	?0.?	?0.?	?1.?	?1.?	?1.?	?1.
0? 1?0?	??.?	??	76.?	79.?	?3.?	?5.?	?5.?	?5.?	?5.?	?.
5? 1???	5?.1	7?.?	79.?	?2.?	?5.7	?7.?	??.?	??.?	??.?	??.
5? 1???	5?.?	7?.?	?0.1	??.?	?3.1	?0.?	?1.2	?1.?	?1.?	?1.
5? ???	5?.1	71.?	?0.?	??.?	?3.?	?1.2	?2.?	?2.?	?2.?	?2.
5? ?0?	5?.?	71.?	?1.?	??.2	91.1	?2.5	?3.?	?4.1	?4.?	?4.
5? 7??	5?.5	71.?	?1.7	??.7	?2.?	?4.1	?5.?	?5.?	?5.4	?5.
5? 6??	5?.5	71.?	?1.?	??.?	?2.5	?4.4	?5.4	?5.4	?5.?	?5.
5? 5??	5?.5	71.4	?1.?	?7.2	?3.?	?5.?	?7.?	?8.2	?8.?	?8.
5? 4??	5?.5	71.4	?1.?	?7.2	?3.4	?5.4	?7.1	?8.5	?8.?	?8.
5? 3??	5?.5	71.4	?1.?	?7.2	?3.4	?5.4	?7.1	?8.4	?8.4	?8.
5? 2??	5?.5	71.4	?1.?	?7.2	?3.4	?5.4	?7.1	?8.4	?8.4	?8.
5? 1??	5?.5	71.4	?1.?	?7.2	?3.4	?5.4	?7.1	?8.4	?8.4	?8
5? ???	5?.5	71.4	?1.?	?7.2	?3.4	?5.4	?7.1	?8.4	?8.4	?8

TOTAL NUMBER OF OBSERVATIONS ??

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PER HEYFORD RAF UK PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: JUN HOURS: 09-11

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
26.3	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
26.9	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
26.9	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
27.3	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
33.2	33.5	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
34.2	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
38.0	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
43.5	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
47.2	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
54.0	54.4	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
61.4	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
70.6	71.3	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
75.3	75.4	75.8	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
80.3	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
80.9	81.4	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
85.0	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
87.9	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
90.4	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
91.2	92.0	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
92.6	93.3	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
94.1	95.0	96.0	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6
94.4	95.4	96.4	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
96.3	97.0	98.2	98.3	98.3	99.0	99.1	99.1	99.1	99.1	99.1
96.4	97.1	98.3	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3
96.4	97.1	98.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0
96.4	97.1	98.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0
96.4	97.1	98.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0
96.4	97.1	98.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	≥ 11	≥ 9	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0.5	≥ 0
NO CEIL	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
≥ 20000	23.1	23.2	25.4	25.9	27.1	27.1	27.1	27.1	27.1	27.1
≥ 18000	23.2	23.3	25.6	27.0	27.2	27.2	27.2	27.2	27.2	27.2
≥ 16000	23.3	23.3	25.6	27.0	27.2	27.2	27.2	27.2	27.2	27.2
≥ 14000	23.7	23.8	27.0	27.4	27.7	27.7	27.7	27.7	27.7	27.7
≥ 12000	24.1	24.2	27.4	28.0	28.4	28.4	28.4	28.4	28.4	28.4
≥ 10000	29.4	29.5	32.2	32.8	33.2	33.2	33.3	33.3	33.3	33.3
≥ 9000	30.3	30.3	33.3	34.3	34.3	34.3	34.4	34.4	34.4	34.4
≥ 8000	33.7	33.8	37.0	38.4	39.0	39.1	39.1	39.1	39.1	39.1
≥ 7000	34.2	34.4	38.7	39.2	39.8	39.9	39.9	39.9	39.9	39.9
≥ 6000	35.4	35.6	39.9	40.4	41.0	41.0	41.1	41.1	41.1	41.1
≥ 5000	41.6	41.8	45.4	47.1	47.8	47.9	48.0	48.0	48.0	48.0
≥ 4500	47.3	47.7	51.3	52.9	53.2	53.3	53.4	53.4	53.4	53.4
≥ 4000	51.4	51.8	55.2	57.0	57.4	57.7	57.8	57.8	57.8	57.8
≥ 3500	56.2	56.7	73.4	74.2	75.1	75.3	75.7	75.7	75.7	75.7
≥ 3000	71.4	72.2	79.6	80.4	81.6	81.8	82.1	82.1	82.1	82.1
≥ 2500	74.3	75.1	82.3	83.7	84.3	85.0	85.4	85.4	85.4	85.4
≥ 2000	77.1	77.9	86.4	86.9	87.7	87.9	88.3	88.3	88.3	88.3
≥ 1800	78.3	79.1	86.7	87.5	88.1	88.3	88.6	88.6	88.6	88.6
≥ 1600	79.3	80.1	88.1	89.4	91.1	91.3	91.6	91.6	91.6	91.6
≥ 1200	83.7	84.6	89.1	91.0	93.2	93.5	94.1	94.1	94.1	94.1
≥ 1000	85.4	86.2	90.2	92.3	95.0	95.7	96.3	96.3	96.3	96.3
≥ 900	86.4	87.2	91.2	93.3	95.0	95.7	96.2	97.2	97.2	97.2
≥ 800	87.4	88.2	91.2	93.3	95.1	95.9	96.5	97.4	97.4	97.4
≥ 700	88.4	89.2	91.6	93.4	95.4	96.2	96.9	98.0	98.2	98.2
≥ 600	89.0	89.9	91.7	93.5	95.6	96.4	97.2	98.1	98.3	98.3
≥ 500	89.1	90.1	91.7	93.6	95.7	96.5	97.4	98.2	98.4	98.4
≥ 400	89.1	90.1	91.7	93.6	95.7	96.5	97.4	98.2	98.4	98.4
≥ 300	89.1	90.1	91.7	93.6	95.7	96.5	97.4	98.2	98.4	98.4
≥ 200	89.1	90.1	91.7	93.6	95.7	96.5	97.4	98.2	98.4	98.4
≥ 100	89.1	90.1	91.7	93.6	95.7	96.5	97.4	98.2	98.4	98.4
≥ 000	89.1	90.1	91.7	93.6	95.7	96.5	97.4	98.2	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: JUN HOURS: 12-14

LITY IN METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVAT

STATION NUMBER: 30650 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS								
	22	6+	3E	8E	5E	4E	3E	2E	1E
	110	90	60	50	45	40	32	24	20
NO CEIL	16.6	14.7	19.3	19.3	19.3	19.3	19.3	19.3	19.3
3E 20000	24.6	25.1	28.2	28.2	23.2	23.2	23.2	23.2	23.2
3E 18000	24.6	25.1	28.2	28.2	23.2	23.2	23.2	23.2	23.2
3E 15000	24.6	25.1	28.2	28.2	23.2	23.2	23.2	23.2	23.2
3E 14000	24.9	25.2	28.3	28.3	23.3	23.3	23.3	23.3	23.3
3E 12000	25.2	25.7	29.9	29.9	23.9	23.9	23.9	23.9	23.9
3E 10000	30.3	30.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
3E 9000	31.2	31.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
3E 8000	36.7	37.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7
3E 7000	38.7	39.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9
3E 6000	42.4	43.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7
3E 5000	50.7	51.7	56.9	56.7	57.2	57.2	57.2	57.2	57.2
3E 4500	50.7	51.7	56.9	56.9	57.2	57.2	57.2	57.2	57.2
3E 4000	70.7	71.9	77.4	77.4	77.7	77.7	77.7	77.7	77.7
3E 3500	74.7	75.9	83.1	83.4	84.4	84.4	84.4	84.5	84.5
3E 3000	77.3	78.7	87.3	87.9	89.1	89.1	89.1	89.2	89.2
3E 2500	80.2	82.2	89.3	90.3	91.2	91.2	91.2	91.3	91.3
3E 2000	81.2	83.2	90.4	91.1	92.4	92.4	92.4	92.5	92.5
3E 1500	81.3	83.3	90.5	91.2	92.5	92.5	92.5	92.7	92.7
3E 1500	82.3	84.3	91.3	92.4	94.0	94.0	94.0	94.1	94.1
3E 1200	82.9	84.9	92.3	93.5	94.9	95.0	95.0	95.1	95.1
3E 1000	93.0	95.1	92.6	93.5	95.4	95.9	95.9	96.1	96.1
3E 900	93.1	95.2	92.9	93.9	95.2	95.3	95.3	95.7	95.7
3E 800	93.1	95.2	93.2	94.2	95.7	97.0	97.0	97.7	97.7
3E 700	93.2	95.3	93.4	94.7	97.2	97.7	97.7	98.4	98.4
3E 600	93.2	95.3	93.4	94.7	97.2	97.7	97.9	99.0	99.0
3E 500	93.2	95.3	93.4	94.9	97.4	98.1	98.3	99.7	99.7
3E 400	93.2	95.3	93.4	94.9	97.6	98.2	98.4	99.8	99.8
3E 300	93.2	95.3	93.4	94.9	97.6	98.2	98.4	99.8	99.8
3E 200	93.2	95.3	93.4	94.9	97.6	98.2	98.4	99.8	99.8
3E 100	93.2	95.3	93.4	94.9	97.6	98.2	98.4	99.8	99.8
3E 000	93.2	95.3	93.4	94.9	97.6	98.2	98.4	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FROM RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUN HOURS: 15-17

CEILING IN METERS	VISIBILITY IN METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
	92.4	92.5	92.5	92.6	92.6	92.6	92.5	92.6	92.6	92.6
	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	98.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATI

STATION NUMBER: 93553 STATION NAME: UPPER MLYERS AFB UT
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	11?	4?	3?	6?	4?	4?	3?	2?	2?	
NO CEIL	25.7	29.9	29.9	29.3	29.3	29.3	29.3	29.3	29.3	2
22000	34.?	34.7	34.6	39.2	39.4	39.4	39.4	39.4	39.4	3
18000	34.	35.1	39.0	39.7	39.9	39.9	39.9	39.9	39.9	3
16000	34.?	35.1	39.0	39.7	39.9	39.9	39.9	39.9	39.9	3
14000	35.2	35.9	39.4	40.1	40.3	40.3	40.3	40.3	40.3	4
12000	37.1	37.9	41.?	42.4	42.7	42.7	42.7	42.7	42.7	4
10000	40.?	41.4	45.7	46.3	46.3	46.4	46.4	46.9	46.9	4
9000	41.6	42.2	47.1	47.8	48.1	48.1	48.1	48.1	48.1	4
8000	43.3	47.4	52.7	53.3	53.9	53.9	54.3	54.3	54.3	5
7000	47.2	50.1	55.5	56.4	56.9	56.9	57.3	57.3	57.3	5
6000	53.0	54.?	60.1	61.2	61.5	61.5	61.7	61.7	61.7	5
5000	55.?	56.2	67.5	68.3	68.7	68.7	69.1	69.	69.2	5
4500	60.?	61.2	75.2	76.7	77.3	77.3	77.4	77.4	77.4	7
4000	72.5	74.6	81.5	83.3	84.3	84.4	84.5	84.5	84.5	8
3500	73.3	75.2	84.1	85.7	86.9	87.0	87.2	87.2	87.2	8
3000	75.7	77.?	86.6	88.2	89.0	89.1	89.3	89.3	89.3	8
2500	76.3	78.7	87.5	89.4	90.8	91.0	91.1	91.1	91.1	9
2000	77.1	79.3	88.0	90.1	91.6	91.7	92.1	92.1	92.1	9
1800	77.2	79.6	88.3	90.4	91.9	92.0	92.4	92.4	92.4	9
1600	78.3	80.7	89.7	91.9	93.2	93.3	93.5	93.6	93.7	9
1200	78.6	81.3	90.0	92.3	93.6	93.7	94.0	94.0	94.0	9
1000	79.1	81.5	91.0	93.2	95.1	95.3	95.7	95.8	95.8	9
900	79.4	81.9	91.5	93.5	95.6	95.9	96.4	96.5	96.5	9
800	79.7	82.0	91.9	94.1	96.0	96.2	97.0	97.4	97.4	9
700	79.7	82.0	92.0	94.2	96.0	97.1	97.9	98.3	98.4	9
600	79.9	82.1	92.2	94.4	96.9	97.4	98.3	98.8	98.9	9
500	80.0	82.3	92.4	94.7	97.1	97.6	98.7	99.3	99.5	9
400	80.0	82.3	92.4	94.7	97.1	98.0	99.1	99.6	99.8	10
300	80.0	82.3	92.4	94.7	97.1	98.0	99.1	99.6	99.8	10
200	80.0	82.3	92.4	94.7	97.1	98.0	99.1	99.6	99.8	10
100	80.0	82.3	92.4	94.7	97.1	98.0	98.9	99.6	99.8	10
000	80.0	82.3	92.4	94.7	97.1	98.0	98.9	99.6	99.8	10

TOTAL NUMBER OF OBSERVATIONS 900

...QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...D PAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUN HOURS: 19-20

...ITY IN METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
...8.3	...9.3	29.3	29.3	...9.3	29.3	...9.3	29.3	29.3	29.3
...9.4	...9.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
...9.9	...9.9	39.9	39.9	39.9	39.9	...9.9	39.9	39.9	39.9
...9.9	...9.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
...0.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
...2.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
...6.9	...6.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
...8.1	...8.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
...4.0	...4.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
...7.0	...7.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
...1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
...9.8	...9.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
...4.5	...4.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
87.2	...7.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
...0.3	...0.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
...1.1	...1.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
...2.1	...2.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
...2.4	...2.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
...3.9	...3.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
...4.2	...4.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
...5.9	...5.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
...6.4	...6.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
...7.0	...7.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
...7.2	...8.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
...8.3	...8.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
...9.7	...9.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
...9.8	...9.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
...9.8	...9.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
...9.8	...9.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
...9.9	...9.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
...9.9	...9.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVAT

STATION NUMBER: 99999 STATION NAME: UPPER BLYTHEVILLE AFB AR
LST TO UTC: - 6

CEILING IN FEET	3 MI	2 MI	1 MI	1/2 MI	1/4 MI	0 MI	1/2 MI	1 MI	2 MI
	1100	600	400	200	100	40	80	24	80
NO CEIL	32.4	36.3	38.3	39.3	40.4	40.7	40.9	40.9	41.1
50 00000	43.3	46.2	45.9	47.1	48.3	48.5	48.8	48.9	49.1
30 10000	38.6	40.4	46.2	47.4	48.7	49.0	49.2	49.2	49.3
25 15000	38.6	40.4	46.2	47.4	48.7	49.0	49.2	49.2	49.3
20 18000	38.6	40.4	46.2	47.4	48.7	49.0	49.2	49.2	49.3
15 12000	38.6	40.4	47.0	48.2	49.0	50.2	50.6	50.6	50.8
30 10000	42.1	43.1	49.3	50.5	51.8	52.0	52.3	52.3	52.3
25 8000	43.4	44.6	50.7	52.1	53.3	53.5	53.7	53.7	53.8
20 6000	43.4	47.8	54.4	56.3	57.2	57.4	57.6	57.6	57.7
15 4000	44.2	48.2	56.2	57.7	59.1	59.2	59.4	59.5	59.6
10 3000	51.2	52.7	59.4	60.4	62.2	62.4	62.6	62.7	62.8
30 5000	54.2	56.3	67.4	67.9	69.2	69.4	69.6	69.7	69.8
25 4500	61.1	62.1	72.1	74.1	75.1	75.4	77.1	77.1	77.1
20 3500	64.3	65.4	75.1	77.3	78.6	78.8	81.1	81.1	81.1
15 2500	66.3	67.2	77.4	79.7	81.0	82.3	83.1	83.1	83.3
10 2000	67.7	69.1	80.3	82.4	84.7	85.9	86.2	86.3	87.1
30 3000	69.6	70.4	81.1	83.5	85.7	87.0	87.4	87.4	88.1
25 2500	69.8	70.7	82.3	84.4	87.3	88.2	89.2	89.2	90.4
20 1800	70.3	72.7	82.8	84.4	88.2	88.5	89.3	89.3	90.5
15 1500	72.7	73.2	83.4	85.1	89.9	90.2	91.3	91.3	91.5
10 1200	71.7	73.4	84.7	87.4	91.3	91.7	92.3	92.4	93.2
30 1000	72.1	73.4	85.3	88.1	92.3	93.3	94.1	94.1	94.3
25 900	72.3	73.7	85.5	88.4	92.9	93.8	94.7	94.7	94.9
20 800	72.4	73.8	85.8	88.8	93.2	93.7	95.2	95.3	95.5
15 700	72.7	74.0	86.1	89.1	93.3	94.4	95.9	95.9	96.1
10 600	72.7	74.2	86.4	89.4	94.2	94.9	96.3	96.3	96.5
30 500	73.7	75.0	87.2	90.2	95.0	95.3	97.0	97.0	97.1
25 400	73.7	75.0	87.4	90.7	95.4	95.8	97.1	97.4	97.7
20 300	73.7	75.0	87.5	90.8	95.6	95.6	97.3	97.7	97.9
15 200	73.7	75.0	87.5	90.9	95.6	96.6	97.3	97.7	98.0
10 100	73.7	75.0	87.5	90.9	95.6	96.6	97.3	97.7	98.0
30 000	73.7	75.0	87.5	90.9	95.6	96.6	97.4	97.7	98.0

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK   PERIOD OF RECORD: JUL 73 - JUN 76
MONTH: JUN   HOURS: 21-23

VISIBILITY IN METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
57.4	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
76.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
80.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
82.6	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
86.3	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
87.3	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
88.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
88.5	89.3	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
90.2	91.3	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
91.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
93.0	94.1	94.1	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6
93.3	94.7	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
93.7	95.0	95.0	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
94.4	95.9	95.9	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.6
94.9	96.3	96.3	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0
95.7	97.5	97.7	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7
96.3	98.1	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3
96.5	98.3	98.7	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8
96.6	98.3	98.7	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
96.6	98.3	98.7	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
96.6	98.4	98.7	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION: MAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 38598 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	9999	8000	4800	3200	2400	1600	1200	800	400	0
	11+	8	5	3	2½	1	¾	½	¼	0
99 CEIL	21.2	21.5	25.2	26.2	27.3	28.1	28.4	28.7	28.9	29.3
22000	26.3	27.3	31.3	33.1	34.0	35.2	35.7	35.1	35.2	35.3
18000	27.3	27.5	32.0	33.2	35.0	35.3	35.4	35.2	35.3	35.4
15000	27.3	27.5	32.0	33.2	35.0	35.3	35.5	35.2	35.3	35.4
12000	27.3	27.5	32.3	33.5	35.3	35.5	35.1	35.5	35.5	35.7
10000	29.1	31.5	36.3	38.5	39.4	39.7	40.1	40.5	40.5	40.7
9000	31.3	31.5	36.5	37.5	38.7	40.3	41.3	41.0	41.1	41.2
8000	31.3	32.5	37.5	38.7	40.7	41.2	41.5	42.2	42.3	42.4
7000	33.1	34.1	40.3	41.7	43.2	43.4	43.9	44.3	44.2	44.3
6000	35.1	37.1	43.2	44.7	45.7	47.3	47.8	48.4	48.5	48.7
5000	39.1	39.5	45.5	47.3	48.2	49.5	50.3	50.2	50.4	51.1
4500	40.2	40.7	46.1	48.0	49.0	50.4	51.2	51.4	51.6	52.3
4000	40.7	41.3	46.9	48.3	51.0	52.2	52.4	53.5	53.7	53.8
3500	44.3	45.3	50.1	52.3	53.1	53.7	53.9	54.2	54.3	54.4
3000	47.4	48.1	53.1	54.1	72.4	73.1	73.3	74.0	74.2	74.3
2500	50.1	50.4	70.3	73.3	75.4	77.4	78.0	79.2	79.4	79.7
2000	52.4	53.3	72.7	75.2	78.2	79.4	80.3	81.2	81.4	81.7
1800	53.1	55.5	74.6	77.1	81.0	81.2	82.1	83.0	83.3	84.1
1600	54.3	55.9	74.9	77.3	81.4	82.2	83.2	84.2	84.2	4.5
1400	55.9	57.5	75.3	79.2	83.2	84.7	85.5	86.6	86.9	87.1
1200	56.4	58.3	77.3	81.0	85.4	86.3	87.4	88.2	88.5	88.8
1000	57.3	59.0	77.9	82.0	85.9	87.9	89.2	90.1	90.4	90.7
900	57.4	59.2	78.4	82.7	87.5	88.5	89.5	90.7	91.2	91.4
800	57.4	59.3	78.5	83.4	88.3	90.4	91.7	91.8	92.2	92.4
700	58.2	59.8	78.9	84.2	89.4	90.7	92.1	92.3	93.7	94.1
600	58.4	60.3	79.3	84.4	89.8	91.3	92.2	94.2	94.6	95.3
500	59.1	61.1	79.4	85.1	90.2	92.3	94.1	95.6	95.4	96.2
400	59.3	61.3	79.4	85.3	91.1	92.5	94.3	95.5	97.3	97.5
300	59.3	61.4	79.4	85.4	91.2	92.7	94.7	95.9	97.6	98.3
200	59.4	61.4	79.4	85.4	91.2	92.7	94.8	97.3	97.7	98.5
100	59.4	61.4	79.4	85.4	91.2	92.7	94.8	97.3	97.8	98.5
0	59.4	61.4	79.4	85.4	91.2	92.7	94.8	97.3	97.8	98.5

TOTAL NUMBER OF OBSERVATIONS 7200

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

BEYOND RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	28.1	28.4	28.7	28.8	28.9	29.0	29.0	29.0	29.0	29.0	29.1
	35.2	35.7	36.1	36.2	36.3	36.4	36.4	36.4	36.4	36.4	36.5
	35.3	35.8	36.2	36.3	36.4	36.5	36.5	36.5	36.5	36.5	36.5
	35.3	35.8	36.2	36.3	36.4	36.5	36.5	36.5	36.5	36.5	36.5
	35.6	36.1	36.5	36.6	36.7	36.8	36.8	36.8	36.9	36.9	36.9
	36.7	37.1	37.5	37.6	37.8	37.9	37.9	37.9	37.9	37.9	38.0
	40.8	41.0	41.0	41.1	41.2	41.3	41.3	41.3	41.4	41.4	41.4
	41.2	41.6	42.2	42.3	42.4	42.5	42.6	42.6	42.6	42.6	42.7
	46.2	46.4	46.8	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.4
	47.8	48.0	48.4	48.5	48.7	48.8	48.8	48.8	48.9	48.9	49.0
	47.9	50.3	50.7	50.9	51.1	51.2	51.2	51.2	51.2	51.3	51.3
	55.2	55.9	57.4	57.6	57.8	57.9	57.9	57.9	58.0	58.0	58.1
	62.2	62.9	63.6	63.7	63.8	64.0	64.0	64.0	64.0	64.0	64.1
	69.7	69.9	70.2	70.3	70.5	70.7	70.7	70.7	70.7	70.7	70.8
	73.1	73.9	74.6	74.8	75.0	75.1	75.2	75.2	75.2	75.2	75.3
	77.6	78.6	79.2	79.4	79.7	79.8	79.8	79.8	79.8	79.8	80.0
	78.9	80.5	81.2	81.4	81.7	81.8	81.9	81.9	81.9	81.9	82.0
	81.9	82.8	83.6	83.8	84.0	84.2	84.2	84.2	84.3	84.3	84.4
	82.2	83.2	84.0	84.2	84.5	84.6	84.7	84.7	84.7	84.7	84.8
	86.7	86.8	86.6	86.9	87.1	87.3	87.3	87.3	87.4	87.4	87.5
	86.8	87.4	88.2	88.5	88.8	89.0	89.0	89.0	89.0	89.1	89.2
	87.0	90.2	90.1	90.4	90.7	90.9	91.0	91.0	91.0	91.0	91.1
	88.6	91.8	92.7	91.0	91.4	91.6	91.6	91.6	91.6	91.7	91.8
	89.4	91.7	91.8	92.0	92.4	92.6	92.7	92.7	92.7	92.7	92.8
	93.7	92.1	93.3	93.7	94.1	94.3	94.4	94.4	94.4	94.4	94.5
	91.3	92.9	94.2	94.6	95.0	95.3	95.4	95.4	95.4	95.4	95.5
	92.3	94.1	95.9	95.4	96.9	97.2	97.3	97.3	97.4	97.4	97.5
	92.6	94.8	96.5	97.0	97.6	97.9	98.2	98.2	98.3	98.3	98.4
	92.7	94.7	96.9	97.6	98.3	98.7	98.9	99.0	99.1	99.2	99.3
	92.7	94.8	97.0	97.7	98.5	99.0	99.3	99.4	99.5	99.6	99.8
	92.7	94.8	97.0	97.8	98.5	99.0	99.3	99.4	99.6	99.7	100.0
	92.7	94.8	97.0	97.8	98.5	99.0	99.3	99.4	99.6	99.7	100.0

OPERATING LOCATION NAM
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35563 STATION NAME: UPPER MEYERHO RAP OR PERIO
LST TO UTC: - 0 MONTH

CEILING IN FEET	VISIBILITY IN METERS									
	11	9	8	7	6	5	4	3	2	1
	11	9	8	7	6	5	4	3	2	1
99 CEIL	47.7	47.9	48.1	48.1	47.8	48.1	48.6	48.7	48.9	48.9
GE 20000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 15000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 10000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 8000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 7000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 6000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 5000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 4500	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 4000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 3500	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 3000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 2500	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 2000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 1800	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 1600	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 1400	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 1200	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 1000	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 900	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 800	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 700	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 600	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 500	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 450	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 400	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 350	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5
GE 300	48.1	48.3	48.1	48.2	51.3	52.3	54.1	54.3	54.5	54.5

TOTAL NUMBER OF OBSERVATIONS 930

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ALYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUL HOURS: 00-02

ILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
.1	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
.3	54.1	54.3	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
.5	54.1	54.3	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
.7	54.1	54.3	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
.8	54.1	54.3	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
.7	54.5	54.7	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1
.9	57.2	57.5	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8
.2	58.1	58.4	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7
.1	61.9	62.3	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6
1.3	63.1	63.4	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8
1.7	64.5	64.8	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2
.9	70.8	71.0	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3
.1	75.3	75.1	75.5	75.5	75.5	75.5	76.7	76.7	76.7	76.7
.3	81.2	82.2	82.5	82.7	82.7	82.7	82.8	82.8	82.8	82.8
1.	83.0	83.3	83.7	83.9	83.9	83.9	84.0	84.0	84.0	84.0
.1	85.1	85.4	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.0
.1	85.3	85.5	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2
.3	86.5	86.9	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.6
.5	86.9	87.2	87.5	87.8	87.8	87.8	88.0	88.0	88.0	88.0
.7	89.3	89.1	89.5	89.8	89.8	89.8	89.9	89.9	89.9	89.9
7.7	90.1	90.4	90.8	91.1	91.1	91.1	91.2	91.2	91.2	91.2
.9	92.9	93.2	93.5	93.9	93.9	93.9	94.0	94.0	94.0	94.0
.1	93.4	93.8	94.1	94.4	94.4	94.4	94.5	94.5	94.5	94.5
.3	94.9	94.7	95.1	95.4	95.4	95.4	95.5	95.5	95.5	95.5
.5	95.8	96.1	96.5	96.8	96.8	96.8	96.9	96.9	96.9	96.9
.7	96.0	96.3	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.1
.7	97.3	97.6	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4
.9	97.4	97.7	98.1	98.5	98.5	98.5	98.6	98.6	98.6	98.6
.1	97.7	98.1	98.4	98.8	98.8	98.8	99.0	99.0	99.0	99.0
.1	97.7	98.3	98.6	99.1	99.2	99.2	99.5	99.5	99.5	99.5
.1	97.7	98.4	98.7	99.2	99.5	99.5	99.7	99.7	99.9	100.0
.1	97.7	98.4	98.7	99.2	99.5	99.5	99.7	99.7	99.9	100.0

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36563 STATION NAME: UPPER HEYFORD RAF UK PERI
LST TO UTC: - 0 HOUR

CEILING IN FEET	11	3½	3	2½	2	1½	1	¾	½	¼
NO CEIL	23.2	23.4	25.3	27.3	30.4	31.5	32.9	35.1	35.9	37.
25000	23.2	23.4	25.1	29.3	33.7	34.8	36.3	38.1	40.1	41.
18000	23.2	23.4	25.1	29.3	33.7	34.8	36.3	38.1	40.1	41.
16000	23.2	23.4	25.1	29.3	33.7	34.8	36.3	38.1	40.1	41.
14000	23.2	23.4	25.1	29.3	33.7	34.8	36.3	38.1	40.1	41.
12000	23.7	24.0	25.7	30.0	34.4	35.6	37.4	40.3	41.3	42.
10000	24.0	24.7	31.3	33.7	37.5	38.8	40.2	42.6	44.7	45.
9000	25.1	26.0	32.9	35.3	39.1	40.4	42.4	45.4	47.5	47.
8000	27.6	27.9	35.2	37.5	41.7	43.0	44.9	48.0	50.1	50.
7000	31.3	32.1	39.9	39.1	43.1	44.4	46.3	49.4	52.5	53.
6000	33.5	34.7	42.3	44.7	48.3	49.2	47.1	50.1	53.3	54.
5000	38.4	39.5	48.3	54.3	58.4	59.3	61.2	64.3	68.1	70.
4500	42.3	43.7	53.6	59.7	64.1	65.7	67.1	71.1	75.3	77.
4000	46.3	47.7	58.6	64.6	69.9	71.5	73.3	77.3	81.4	83.
3500	51.7	53.4	62.6	68.9	74.1	75.7	77.5	81.4	85.7	87.
3000	58.3	59.4	68.7	75.5	81.2	82.7	84.5	88.4	92.7	94.
2500	64.2	64.6	73.3	79.2	84.9	86.6	88.1	92.4	96.7	98.
2000	69.1	69.7	77.6	83.3	87.5	89.4	91.1	95.4	99.7	101.
1800	69.7	69.7	77.7	83.9	87.7	89.5	91.2	95.5	99.8	101.
1500	69.7	70.2	78.5	84.1	88.2	90.0	91.7	96.0	100.3	102.
1200	69.7	70.2	78.5	84.1	88.2	90.0	91.7	96.0	100.3	102.
1000	69.7	71.2	79.3	84.9	89.0	90.8	92.5	96.8	101.1	103.
900	71.1	71.5	80.2	86.2	90.5	92.4	94.2	98.5	102.8	104.
800	71.5	72.0	81.1	87.1	91.4	93.3	95.1	99.4	103.7	105.
700	71.5	72.2	81.3	87.3	91.6	93.5	95.3	99.6	103.9	105.
600	71.5	72.4	81.5	87.5	91.8	93.7	95.5	99.8	104.1	106.
500	72.4	73.0	82.3	88.4	92.7	94.6	96.4	100.7	105.0	107.
400	73.2	73.8	83.1	89.2	93.5	95.4	97.2	101.5	105.8	107.
300	73.2	73.8	83.1	89.2	93.5	95.4	97.2	101.5	105.8	107.
200	73.2	73.8	83.1	89.2	93.5	95.4	97.2	101.5	105.8	107.
100	73.2	73.8	83.1	89.2	93.5	95.4	97.2	101.5	105.8	107.
0	73.2	73.8	83.1	89.2	93.5	95.4	97.2	101.5	105.8	107.

TOTAL NUMBER OF OBSERVATIONS 930

IL PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] BEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JUL HOURS: 03-05

CEILING IN FEET / VISIBILITY IN METERS	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	31.5	32.9	35.1	36.0	37.2	37.4	37.6	37.6	37.7	37.7	38.0
	34.2	35.3	39.1	40.1	41.4	41.9	42.4	42.4	42.5	42.5	42.8
	34.3	35.3	39.1	40.1	41.4	41.9	42.4	42.4	42.5	42.5	42.8
	34.3	35.3	39.1	40.1	41.4	41.9	42.4	42.4	42.5	42.5	42.8
	34.3	35.3	39.1	40.1	41.4	41.9	42.4	42.4	42.5	42.5	42.8
	35.6	37.4	40.3	41.3	42.6	43.1	43.5	43.5	43.7	43.7	44.0
	38.3	40.3	43.3	44.7	46.2	46.8	47.2	47.2	47.4	47.5	48.0
	40.4	42.4	45.4	46.8	47.5	48.4	48.8	48.8	49.0	49.1	49.6
	43.0	44.9	48.0	49.1	50.8	51.3	51.7	51.7	51.8	52.0	52.5
	44.4	46.3	49.4	50.5	52.2	52.7	53.1	53.1	53.3	53.4	54.0
	45.2	47.1	50.1	51.3	52.9	53.4	53.9	54.0	54.2	54.3	54.8
	49.3	51.9	54.9	56.1	58.0	58.6	59.0	59.1	59.4	59.5	60.0
	55.7	58.1	61.1	62.3	64.1	64.7	65.2	65.3	65.5	65.6	66.1
	61.3	64.3	67.2	68.4	70.2	70.9	71.4	71.5	71.8	71.9	72.5
	62.7	65.2	68.4	69.7	71.5	72.2	72.7	72.8	73.1	73.2	73.8
	64.3	67.4	70.6	71.9	73.7	74.5	75.1	75.2	75.5	75.6	76.1
	66.5	69.1	72.4	73.7	75.6	76.3	76.9	77.0	77.3	77.4	78.0
	68.4	72.0	75.4	76.7	78.6	79.4	79.9	80.0	80.3	80.4	81.0
	69.5	72.2	75.5	76.8	78.7	79.5	80.0	80.1	80.4	80.5	81.1
	71.9	74.8	78.2	79.5	81.4	82.2	82.7	82.8	83.1	83.2	83.8
	75.1	78.2	81.5	82.9	84.8	85.6	86.1	86.2	86.5	86.7	87.2
	77.5	80.9	84.2	85.5	87.6	88.3	88.8	88.9	89.2	89.4	89.9
	78.4	81.5	84.9	86.2	88.3	89.0	89.5	89.7	90.0	90.1	90.6
	79.4	82.6	85.9	87.2	89.2	90.0	90.5	90.6	91.0	91.1	91.6
	80.5	83.8	87.1	88.5	90.5	91.3	91.8	91.9	92.3	92.4	92.9
	81.1	84.3	87.6	89.0	91.3	92.0	92.6	92.7	93.0	93.1	93.7
	83.1	86.5	90.0	91.4	93.7	94.4	94.9	95.2	95.6	95.8	96.3
	83.7	87.3	91.1	92.5	94.7	95.5	96.0	96.2	96.7	97.0	97.5
	84.6	87.7	91.5	93.0	95.5	96.5	97.0	97.2	97.6	98.0	98.5
	84.9	87.7	91.5	93.0	95.7	96.6	97.1	97.4	98.1	98.5	99.0
	84.9	87.8	91.7	93.3	96.0	97.0	97.5	97.8	98.7	99.1	100.0
	84.9	87.8	91.7	93.3	96.0	97.0	97.5	97.8	98.7	99.1	100.0

OPERATING LOCATION "WAW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	11?	??	??	??	??	??	??	??	??	?
?? CEIL	19.?	??.?	??.?	25.?	??.6	31.0	31.7	33.1	33.?	??
?? ?????	??.?	??.7	??.1	33.2	34.4	35.?	35.?	36.7	37.2	??
?? 18???	??.?	??.7	??.1	33.2	34.4	35.?	36.?	36.7	37.2	??
?? 1?,???	??.?	??.7	??.1	33.2	34.4	35.?	36.?	36.7	37.2	??
?? 14000	??.?	??.7	??.1	33.2	34.4	35.?	36.?	36.7	37.2	??
?? 12000	??.?	??.?	??.?	31.4	45.?	37.?	??.?	39.?	40.4	41
?? 10???	??.?	??.7	33.4	39.?	39.5	41.2	42.3	44.2	44.?	45
?? 9???	??.?	?? .3	35.1	36.?	41.2	42.3	44.?	45.9	46.?	47
?? ?000	??.?	30.1	37.?	38.?	44.3	45.2	47.4	48.5	49.?	51
?? 7000	30.5	30.?	36.?	40.?	45.3	47.2	49.4	50.4	51.3	??
?? ?000	31.?	31.7	38.?	41.7	45.2	47.2	49.4	51.4	52.3	??
?? 5000	35.?	??.7	44.4	45.5	51.1	53.2	54.?	55.2	57.1	??
?? 4500	??.?	37.1	41.?	42.4	55.2	57.1	58.?	59.3	61.2	62
?? 4000	41.?	41.?	51.3	53.?	53.5	55.5	61.?	63.7	64.7	??
?? 3500	43.5	44.?	53.?	56.3	61.2	63.3	64.7	67.?	67.?	??
?? 3000	45.3	??.?	55.7	57.?	63.1	65.3	66.7	69.?	70.?	71
?? ?500	47.?	47.7	57.5	60.1	65.2	67.3	68.7	71.6	71.?	??
?? ?000	49.?	50.2	60.5	63.1	69.3	70.5	72.?	74.3	75.?	76
?? 1800	50.3	51.3	61.4	64.0	69.2	71.5	73.?	75.3	76.1	77
?? 1500	51.7	52.7	63.4	66.5	71.3	74.2	75.3	77.?	77.1	??
?? 1200	53.4	54.?	65.5	68.?	74.2	76.7	77.4	79.?	81.7	??
?? 1000	54.?	55.?	66.?	70.?	76.?	78.4	80.5	82.?	83.?	??
?? 900	54.5	55.7	67.3	70.3	76.7	79.5	81.5	84.?	84.?	??
?? 800	55.?	56.7	68.7	72.4	78.7	81.5	83.?	86.1	87.1	??
?? 700	56.1	57.2	69.5	73.4	80.5	83.7	86.?	88.4	89.4	90
?? 600	56.3	57.4	69.7	74.1	81.2	84.2	86.7	89.?	91.?	91
?? 500	56.7	57.7	70.6	75.5	83.2	86.3	89.1	91.6	93.?	93
?? 400	56.7	57.7	70.6	75.5	83.7	87.0	89.3	92.4	93.3	94
?? 300	56.7	57.7	70.6	75.5	83.7	87.0	90.0	93.?	94.?	95
?? 200	56.7	57.7	70.6	75.5	83.7	87.0	90.0	93.?	94.?	95
?? 100	56.7	57.7	70.6	75.6	83.7	87.0	90.0	93.?	94.2	95
?? ???	56.7	57.7	70.6	75.5	83.7	87.0	90.0	93.?	94.?	??

TOTAL NUMBER OF OBSERVATIONS 930

? - 2 - 97

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JUL HOURS: 06-08

ILITY IN METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
31.7	33.1	33.5	34.0	34.3	34.3	34.5	34.5	34.5	34.8
35.3	38.7	39.2	39.5	40.2	40.2	40.5	40.5	40.6	40.9
35.3	38.7	39.2	39.5	40.2	40.2	40.5	40.5	40.6	40.9
35.3	38.7	39.2	39.5	40.2	40.2	40.5	40.5	40.6	40.9
35.3	38.7	39.2	39.5	40.2	40.2	40.5	40.5	40.6	40.9
38.0	39.9	40.4	41.0	41.4	41.4	41.7	41.7	41.8	42.0
42.3	44.2	44.7	45.7	46.2	46.2	46.7	46.7	46.8	47.0
44.0	45.9	46.6	47.4	48.0	48.0	48.4	48.4	48.5	48.7
47.4	49.5	50.3	51.2	51.7	51.7	52.2	52.2	52.3	52.5
49.4	50.4	51.3	52.2	52.8	52.8	53.2	53.2	53.3	53.5
49.4	51.4	52.3	53.2	53.9	53.9	54.3	54.3	54.4	54.6
54.3	56.2	57.1	58.2	59.0	59.0	59.5	59.5	59.6	59.8
55.3	60.3	61.2	62.3	63.3	63.3	63.8	63.8	63.9	64.1
61.3	63.9	64.7	65.8	67.1	67.2	67.6	67.6	67.7	68.0
64.7	67.0	67.8	68.9	70.2	70.3	70.8	70.9	70.9	71.1
66.7	69.9	70.8	72.0	72.8	72.8	72.9	72.9	73.0	73.2
69.7	71.8	72.3	73.3	74.3	74.5	74.9	74.9	75.1	75.3
72.0	74.3	75.2	76.3	77.7	78.0	78.4	78.4	78.5	78.7
73.0	75.3	76.1	77.3	78.7	79.0	79.4	79.4	79.5	79.7
75.3	78.2	79.1	80.3	81.7	81.9	82.4	82.4	82.5	82.7
78.4	80.3	81.7	82.9	84.3	84.5	84.9	84.9	85.1	85.3
83.6	86.9	88.3	89.1	86.5	86.7	87.1	87.1	87.2	87.4
84.5	88.0	88.9	89.1	87.5	87.7	88.2	88.2	88.3	88.5
88.0	89.1	89.1	89.3	89.7	89.9	90.3	90.3	90.4	90.6
89.0	90.4	90.4	90.6	92.0	92.4	92.8	92.8	92.9	93.1
89.7	89.0	90.0	91.3	92.7	93.0	93.4	93.4	93.5	93.9
90.1	91.6	92.6	93.9	95.3	95.6	96.0	96.0	96.2	96.6
91.2	92.4	93.3	94.6	96.0	96.5	96.9	97.0	97.2	97.5
92.0	92.8	94.0	95.4	96.8	97.2	97.6	97.7	98.0	98.3
93.0	93.0	94.2	95.7	97.1	97.6	98.3	98.5	99.0	99.4
93.0	93.0	94.2	95.7	97.1	97.6	98.4	99.0	99.6	99.9
93.0	93.0	94.2	95.7	97.1	97.6	98.4	99.0	99.6	100.0

OPERATING LOCATION: NAW
USAARTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSERVATI

STATION NUMBER: 93553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	5	3	2	1	0	8	4	2	1	0
	11	9	8	6	4	4	3	2	1	0
NO CEIL	19.4	19.5	23.5	25.2	26.5	27.1	27.1	27.1	27.1	2
25000	25.4	26.1	29.2	31.7	33.3	34.1	34.2	34.2	34.2	3
15000	25.4	26.1	29.2	31.7	33.3	34.1	34.2	34.2	34.2	3
10000	25.4	26.1	29.2	31.7	33.3	34.1	34.2	34.2	34.2	3
8000	25.5	26.2	29.3	31.8	33.4	34.2	34.3	34.3	34.3	3
6500	26.1	26.8	31.0	32.7	34.5	35.3	35.4	35.4	35.4	3
5000	28.7	33.8	36.9	37.4	39.2	40.1	40.2	40.3	40.3	4
4000	33.	34.9	36.7	40.5	42.4	41.3	41.4	41.4	41.5	4
3000	34.4	34.4	40.9	42.7	44.7	45.6	45.7	45.7	45.8	4
2500	35.8	35.8	41.9	44.0	45.8	46.7	46.8	47.1	47.1	4
2000	35.8	36.1	42.2	44.5	46.5	47.4	47.5	47.6	47.7	4
1800	40.1	41.0	47.5	49.7	51.4	52.5	52.6	52.8	52.9	5
1600	44.6	44.8	51.7	54.7	56.7	57.8	57.9	58.2	58.2	5
1400	49.3	51.3	58.2	60.4	62.8	63.4	63.5	63.8	63.8	6
1200	54.4	56.7	66.2	68.4	71.1	71.9	72.4	72.6	72.7	7
1000	62.7	63.4	73.7	75.7	78.2	77.1	77.5	77.8	77.8	7
900	65.5	66.3	74.3	76.3	79.2	80.1	80.5	81.1	81.1	8
800	69.1	69.9	77.6	80.4	83.1	84.0	84.3	84.8	84.8	8
700	71.3	71.9	79.7	82.5	85.2	86.0	86.3	87.0	87.1	8
600	72.6	73.4	82.3	84.8	87.5	88.5	88.8	89.5	89.5	9
500	74.8	75.7	84.9	87.7	90.3	91.7	92.3	92.7	92.7	9
400	75.5	76.3	85.8	88.5	91.0	92.4	93.0	94.0	94.1	9
300	76.0	77.0	86.5	89.7	92.4	93.8	94.4	95.4	96.1	9
200	76.2	77.4	87.1	90.4	93.7	94.8	95.4	96.3	97.3	9
150	76.3	77.4	87.2	90.5	94.5	95.7	96.5	96.9	98.3	9
100	76.3	77.4	87.3	90.6	94.6	95.8	96.7	97.3	98.7	9
50	76.5	77.6	87.8	91.5	95.4	96.6	97.7	98.4	99.4	9
40	76.5	77.6	87.8	91.5	95.4	96.6	97.7	98.5	99.5	9
30	76.5	77.6	87.8	91.5	95.4	96.6	97.7	98.5	99.5	9
20	76.5	77.6	87.8	91.5	95.4	96.6	97.7	98.5	99.5	9
10	76.5	77.6	87.8	91.5	95.4	96.6	97.7	98.5	99.5	9
0	76.5	77.6	87.8	91.5	95.4	96.6	97.7	98.5	99.5	9

TOTAL NUMBER OF OBSERVATIONS 936

CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] BEYERD RAF UK PERIOD OF RECORD: JUL 75 - JUN 86
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
00	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
100	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
150	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
200	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
300	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
400	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
500	40.1	40.2	40.3	40.3	40.3	40.4	40.5	40.5	40.5	40.5	40.5
600	41.3	41.4	41.6	41.6	41.6	41.7	41.8	41.8	41.8	41.8	41.8
700	45.6	45.7	45.9	45.9	45.9	46.0	46.1	46.1	46.1	46.1	46.1
800	46.7	46.8	47.1	47.1	47.1	47.2	47.3	47.3	47.3	47.3	47.3
900	47.4	47.5	47.8	47.8	47.9	48.0	48.1	48.1	48.1	48.1	48.1
1000	52.6	52.8	53.0	53.0	53.0	53.2	53.1	53.1	53.1	53.1	53.1
1100	57.0	57.2	58.2	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4
1200	58.4	58.6	64.2	64.2	64.2	64.4	64.5	64.6	64.6	64.6	64.6
1300	71.9	72.4	72.7	72.8	72.8	73.0	73.2	73.2	73.2	73.2	73.2
1400	77.1	77.6	78.1	78.1	78.1	78.3	78.5	78.5	78.5	78.5	78.5
1500	80.1	80.6	81.1	81.1	81.1	81.3	81.5	81.5	81.5	81.5	81.5
1600	84.3	84.8	84.9	84.9	84.9	85.2	85.4	85.4	85.4	85.4	85.4
1700	86.9	86.6	87.0	87.0	87.0	87.2	87.4	87.4	87.4	87.4	87.4
1800	89.5	89.0	89.5	89.5	89.5	89.7	89.9	89.9	89.9	89.9	89.9
1900	91.7	92.3	92.7	92.7	92.7	92.9	93.1	93.1	93.1	93.1	93.1
2000	92.7	93.5	94.0	94.0	94.0	94.2	94.4	94.4	94.4	94.4	94.4
2100	93.8	94.4	94.8	94.8	94.8	95.1	95.3	95.3	95.3	95.3	95.3
2200	94.5	95.4	95.8	95.8	95.8	96.0	96.2	96.2	96.2	96.2	96.2
2300	95.7	96.5	96.9	96.9	97.0	97.2	97.4	97.4	97.4	97.4	97.4
2400	95.7	96.8	97.3	97.3	97.5	97.7	98.0	98.0	98.0	98.0	98.0
2500	96.5	97.7	98.4	98.4	98.6	98.8	99.0	99.1	99.1	99.1	99.1
2600	96.5	97.7	98.5	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4
2700	96.4	97.7	98.5	98.5	98.8	99.2	99.5	99.7	99.7	99.7	99.7
2800	96.5	97.7	98.5	98.5	98.8	99.2	99.5	99.9	99.9	100.0	100.0
2900	96.5	97.7	98.5	98.5	98.8	99.2	99.5	99.9	99.9	100.0	100.0
3000	96.5	97.7	98.5	98.5	98.8	99.2	99.5	99.9	99.9	100.0	100.0

OPERATING LOCATION: [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVAT

STATION NUMBER: 3[illegible] STATION NAME: UPPER MAYPORT NAF FL
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS								
	[illegible]	[illegible]	08	36	3[illegible]	08	[illegible]	04	02
	112	[illegible]	80	60	48	40	32	24	20
NO CEIL	17.7	19.1	21.4	21.9	22.4	22.6	22.7	22.7	22.7
3[illegible]	[illegible]	[illegible]	30.2	31.1	31.6	32.2	32.3	32.3	32.3
08 1[illegible]	[illegible]	[illegible]	30.2	31.1	31.6	32.2	32.3	32.3	32.3
05 15[illegible]	[illegible]	[illegible]	30.2	31.1	31.6	32.2	32.3	32.3	32.3
04 14[illegible]	[illegible]	[illegible]	30.2	31.1	32.2	32.7	32.7	32.7	32.7
02 12[illegible]	[illegible]	[illegible]	31.7	32.5	33.2	33.8	33.9	33.9	33.9
01 1[illegible]	[illegible]	[illegible]	35.4	36.3	37.0	37.5	37.6	37.7	37.7
5[illegible]	[illegible]	[illegible]	36.2	36.9	37.7	37.8	38.2	38.3	38.4
03 [illegible]	[illegible]	[illegible]	38.2	39.7	40.8	41.5	42.0	42.2	42.3
08 7[illegible]	[illegible]	[illegible]	38.7	40.1	41.2	41.9	42.5	42.6	42.7
1 [illegible]	[illegible]	[illegible]	[illegible]	40.4	41.6	42.3	42.8	42.9	43.0
02 [illegible]	[illegible]	[illegible]	47.5	48.7	49.7	50.2	50.4	50.4	[illegible]
3[illegible]	[illegible]	[illegible]	[illegible]	55.3	57.1	57.5	57.7	57.[illegible]	57.
5[illegible]	[illegible]	[illegible]	57.1	[illegible]	70.2	70.[illegible]	71.[illegible]	71.0	71.2
2[illegible]	[illegible]	[illegible]	75.	77.[illegible]	78.1	78.7	79.[illegible]	[illegible]	[illegible]
1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
00 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90.4	[illegible]	91.1	91.1
3[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.7	93.3	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	91.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

ERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]YEFORD RAF UK PERIOD OF RECORD: JUL 75 - JUN 85
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
	38.2	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
	94.4	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
	96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
	97.3	97.5	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
	97.9	98.2	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6
	98.1	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	98.3	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
	98.3	98.6	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	98.6	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	98.6	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	98.6	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	98.6	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	98.6	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	98.6	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION: MAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING	VISIBILITY IN METERS									
IN FEET	0	1	2	3	4	5	6	7	8	9
	11	40	80	90	4	40	32	24	21	
ALL CEIL	23.1	27.3	34.5	34.9	35.4	35.9	36.3	36.6	36.6	3
22000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
18000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
14000	21.1	31.4	34.4	35.2	36.0	36.1	36.2	36.2	36.2	3
10000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
9000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
8000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
7000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
6000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
5000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
4500	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
4000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
3500	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
3000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
2500	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
2000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
1800	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
1600	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
1400	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
1200	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
1000	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
900	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
800	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
700	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
600	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
500	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
400	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
300	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
200	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
100	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3
0	21.1	31.4	34.4	35.2	36.1	36.1	36.2	36.2	36.2	3

TOTAL NUMBER OF OBSERVATIONS 33

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 74 - JUN [illegible]
MONTH: JUL HOURS: 15-17

VISIBILITY IN METERS

GE [illegible]	GE 32	GE 24	GE [illegible]	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
[illegible]	[illegible]	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
[illegible]	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
[illegible]	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
[illegible]	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
[illegible]	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
[illegible]	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
[illegible]	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
[illegible]	[illegible]	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.8	50.8	50.8	50.8	50.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.8	53.8	53.8	53.8	53.8
[illegible]	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
[illegible]	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
[illegible]	[illegible]	83.0	[illegible]	83.0	83.0	83.0	83.0	83.0	83.0	83.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.6	88.6	88.6	88.6
[illegible]	[illegible]	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
[illegible]	[illegible]	[illegible]	94.5	94.5	94.5	[illegible]	94.5	94.5	94.5	94.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	95.5	95.5	95.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	95.6	95.6	95.6	95.6
[illegible]	[illegible]	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
[illegible]	97.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	98.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	98.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.0	99.0	99.0
[illegible]	[illegible]	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.4	99.4	99.4	99.4	99.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.8	99.8	99.8	99.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	99.9
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A" [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C[illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]3 STATION NAME: [illegible] [illegible] [illegible]
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 112?	GE [illegible]	GE [illegible]	GE 6?	GE 4?	GE 40	GE 32	GE ?4	GE 2?	GE 1?
NO CEIL	31.?	31.	34.5	35.?	35.2	36.7	36.7	36.7	36.7	3?.?
GE 20000	41.1	41.[illegible]	[illegible]	46.[illegible]	43.?	4[illegible]	43.7	4[illegible].7	[illegible].7	[illegible].7
GE 18000	41.[illegible]	41.7	45.[illegible]	47.0	4[illegible].2	[illegible]	4[illegible]	4[illegible]	[illegible]	[illegible]
GE 16000	41.[illegible]	41.7	4[illegible]	47.0	4[illegible].2	4[illegible]	4[illegible]	4[illegible]	4[illegible]	[illegible]
GE 14000	41.[illegible]	41.[illegible]	45.[illegible]	47.1	4[illegible].3	4[illegible]	4[illegible]	4[illegible]	4[illegible]	4[illegible]
GE 12000	42.[illegible]	42.[illegible]	47.1	4[illegible]	4[illegible]	5[illegible]	[illegible].6	[illegible]	[illegible]	[illegible]
GE 10000	[illegible]	[illegible]	51.0	[illegible].4	[illegible].1	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible].2	56.7	[illegible].4	[illegible]	[illegible].1	[illegible].1	[illegible].1	[illegible].1
GE [illegible]	[illegible]	[illegible]	[illegible]	61.3	63.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	[illegible].7	[illegible]	[illegible]	[illegible].7	[illegible].7	[illegible].4	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]7.3	[illegible]	[illegible].2	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	7[illegible]	7[illegible]	7[illegible].3	7[illegible]	7[illegible]	7[illegible]	7[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	7[illegible].1	7[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	7[illegible]	7[illegible].1	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	7[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible].1	[illegible].1	[illegible].1	[illegible].1
GE [illegible]	7[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]4.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]7.[illegible]	[illegible]	[illegible]7.[illegible]
GE 12[illegible]	[illegible]	[illegible].7	[illegible]	[illegible].2	[illegible].3	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]7.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible].4	[illegible]	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]7.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]
GE [illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]
GE 1[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]
GE [illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]

[illegible] OBSERVATIONS [illegible]

[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HOLYHEAD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JUL HOURS: 13-20

CEILING IN FEET	VISIBILITY IN METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
[illegible]	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
[illegible]	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
[illegible]	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
[illegible]	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
[illegible]	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
[illegible]	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
[illegible]	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
[illegible]	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
[illegible]	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
[illegible]	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
[illegible]	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
[illegible]	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
[illegible]	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
[illegible]	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
[illegible]	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
[illegible]	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
[illegible]	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
[illegible]	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
[illegible]	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
[illegible]	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
[illegible]	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
[illegible]	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
[illegible]	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
[illegible]	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
[illegible]	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF OB
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53653 STATION NAME: UPPER HEYFORD (GB) UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	11	7	5	3	2	1	0			
			50	40	40	32	24			
NO CEIL	43.9	43.9	44.1	45.5	45.9	46.2	47.4	47.8	47.8	
22000	49.7	49.7	49.9	51.3	51.7	52.1	53.4	53.8	53.8	
15000	49.9	49.9	50.1	51.5	51.9	52.3	53.6	54.0	54.0	
10000	50.2	50.2	50.4	51.8	52.2	52.6	53.9	54.3	54.3	
8000	50.3	50.3	50.5	51.9	52.3	52.7	54.0	54.4	54.4	
6000	50.5	50.5	50.7	52.1	52.5	52.9	54.2	54.6	54.6	
5000	50.6	50.6	50.8	52.2	52.6	53.0	54.3	54.7	54.7	
4500	50.7	50.7	50.9	52.3	52.7	53.1	54.4	54.8	54.8	
4000	50.8	50.8	51.0	52.4	52.8	53.2	54.5	54.9	54.9	
3500	51.0	51.0	51.2	52.6	53.0	53.4	54.7	55.1	55.1	
3000	51.2	51.2	51.4	52.8	53.2	53.6	54.9	55.3	55.3	
2500	51.5	51.5	51.7	53.1	53.5	53.9	55.2	55.6	55.6	
2000	51.8	51.8	52.0	53.4	53.8	54.2	55.5	55.9	55.9	
1800	52.0	52.0	52.2	53.6	54.0	54.4	55.7	56.1	56.1	
1600	52.2	52.2	52.4	53.8	54.2	54.6	55.9	56.3	56.3	
1400	52.4	52.4	52.6	54.0	54.4	54.8	56.1	56.5	56.5	
1200	52.6	52.6	52.8	54.2	54.6	55.0	56.3	56.7	56.7	
1000	52.8	52.8	53.0	54.4	54.8	55.2	56.5	56.9	56.9	
900	52.9	52.9	53.1	54.5	54.9	55.3	56.6	57.0	57.0	
800	53.0	53.0	53.2	54.6	55.0	55.4	56.7	57.1	57.1	
700	53.1	53.1	53.3	54.7	55.1	55.5	56.8	57.2	57.2	
600	53.2	53.2	53.4	54.8	55.2	55.6	56.9	57.3	57.3	
500	53.3	53.3	53.5	54.9	55.3	55.7	57.0	57.4	57.4	
400	53.4	53.4	53.6	55.0	55.4	55.8	57.1	57.5	57.5	
300	53.5	53.5	53.7	55.1	55.5	55.9	57.2	57.6	57.6	
200	53.6	53.6	53.8	55.2	55.6	56.0	57.3	57.7	57.7	
100	53.7	53.7	53.9	55.3	55.7	56.1	57.4	57.8	57.8	
0	53.8	53.8	54.0	55.4	55.8	56.2	57.5	57.9	57.9	

TOTAL NUMBER OF OBSERVATIONS 43

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
GE 22000	45.0	45.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 20000	51.7	53.4	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 18000	51.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 16000	51.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 14000	52.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 12000	52.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 10000	56.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 09000	58.0	60.3	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 08000	62.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 07000	63.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 06000	65.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 05000	71.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 04500	79.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 04000	56.3	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 03500	87.7	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 03000	89.4	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 02500	90.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 02200	91.7	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 02000	91.7	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 01800	92.7	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 01600	93.3	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 01400	94.7	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 01200	94.9	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 01000	95.1	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 00900	95.4	97.5	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 00800	95.9	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 00700	96.2	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 00600	96.5	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 00500	96.8	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 00400	96.8	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 00300	96.8	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 00200	96.8	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

OPERATING LOCATION "AA"
WASHTAC, ASH VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM ANNUAL OBSERVATI

STATION NUMBER: 36583 STATION NAME: JOHN MCKAY-JAN JR
LST TO UTC: - 0

CEILING	VISIBILITY IN METERS									
IN FEET	11	10	9	8	7	6	5	4	3	2
ALL	35.7	36.2	36.6	37.2	38.0	38.6	39.2	39.7	40.3	40
20000	31.6	31.7	32.5	33.0	34.2	40.7	41.1	42.2	42.4	42.
15000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
12000	31.	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
10000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
9000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
8000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
7000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
6000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
5000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
4500	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
4000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
3500	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
3000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
2500	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
2000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
1500	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
1000	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
900	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
800	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
700	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
600	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
500	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
400	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
300	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
200	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
100	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.
0	31.6	31.	32.6	33.9	40.2	40.5	41.6	42.2	42.4	42.

TOTAL NUMBER OF OBSERVATIONS 7446

...E FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...YFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JUL HOURS: ALL

...ILITY IN METERS										
...	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
...6	34.2	34.7	34.9	35.1	35.1	35.2	35.2	35.2	35.2	35.3
...7	41.5	42.2	42.4	42.6	42.7	42.8	42.8	42.9	42.9	42.9
...	41.5	42.2	42.4	42.7	42.8	42.8	42.9	42.9	42.9	43.0
...	41.5	42.2	42.4	42.7	42.8	42.8	42.9	42.9	42.9	43.0
...	41.9	42.4	42.6	42.8	43.0	43.0	43.1	43.1	43.1	43.2
...9	42.8	43.4	43.7	43.9	44.0	44.1	44.1	44.1	44.1	44.2
...	46.9	47.6	47.8	48.1	48.3	48.3	48.4	48.4	48.4	48.5
...5	48.5	49.2	49.5	49.8	49.9	50.0	50.1	50.1	50.1	50.2
...	52.5	53.3	53.6	53.9	54.0	54.1	54.2	54.2	54.2	54.3
...7	53.7	54.4	54.7	55.0	55.2	55.2	55.3	55.3	55.3	55.4
...9	55.1	55.9	56.2	56.5	56.5	56.7	56.8	56.8	56.8	56.9
...	51.9	52.2	52.5	52.9	53.1	53.1	53.2	53.3	53.3	53.4
...	57.9	58.4	58.6	59.0	59.2	59.3	59.4	59.4	59.4	59.5
...4	75.3	75.9	76.1	76.5	76.7	76.9	77.0	77.0	77.0	77.1
...	79.5	80.1	80.5	80.9	81.1	81.2	81.3	81.4	81.4	81.5
...6	82.7	83.5	83.9	84.2	84.5	84.7	84.7	84.8	84.8	84.9
...	85.5	86.3	86.7	86.1	86.4	86.5	86.5	86.6	86.6	86.7
...	88.7	89.5	89.8	89.4	89.7	89.8	89.9	89.9	89.9	89.9
...	87.4	88.3	88.6	89.2	89.3	89.4	89.5	89.5	89.6	89.7
...9	89.2	90.2	90.5	90.9	91.2	91.3	91.4	91.5	91.5	91.5
...	91.9	91.9	92.2	92.7	93.0	93.1	93.2	93.2	93.3	93.3
...2	93.8	93.4	93.8	94.2	94.5	94.5	94.7	94.7	94.8	94.9
...9	94.3	94.8	94.8	94.9	95.1	95.2	95.3	95.3	95.3	95.4
...3	95.5	96.1	96.1	96.5	96.7	96.9	96.0	96.1	96.1	96.2
...1	96.7	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.1	97.2
...3	96.9	96.9	96.8	96.9	97.2	97.3	97.4	97.4	97.4	97.5
...3	98.1	97.0	97.4	97.9	98.2	98.3	98.4	98.5	98.5	98.6
...4	98.2	97.3	97.7	98.2	98.5	98.7	98.8	98.9	98.9	99.0
...4	98.3	97.5	97.9	98.5	98.9	99.0	99.2	99.2	99.3	99.4
...4	98.3	97.5	98.0	98.6	99.0	99.2	99.4	99.5	99.6	99.7
...4	98.3	97.5	98.0	98.7	99.1	99.2	99.5	99.7	99.8	100.0
...4	98.3	97.6	98.0	98.7	99.1	99.2	99.5	99.7	99.8	100.0

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72253 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	11	10	09	08	07	06	05	04	03	02
99 CIL	33.	34.5	40.4	42.7	44.3	45.1	45.8	46.3	46.7	46.
07 [illegible]	3.	17.7	44.3	46.2	47.3	48.2	51.2	51.6	51.8	51.
05 [illegible]	3.	17.7	44.3	46.2	47.3	48.2	51.2	51.6	51.8	51.
04 [illegible]	3.	17.7	44.3	46.2	47.3	48.2	51.2	51.6	51.8	51.
03 [illegible]	3.	17.7	44.3	46.2	47.3	48.2	51.2	51.6	51.8	51.
02 [illegible]	3.	17.7	44.3	46.2	47.3	48.2	51.2	51.6	51.8	51.
01 [illegible]	3.	17.7	44.3	46.2	47.3	48.2	51.2	51.6	51.8	51.
00 [illegible]	3.	17.7	44.3	46.2	47.3	48.2	51.2	51.6	51.8	51.
99 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
07 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
05 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
04 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
03 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
02 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
01 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
00 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
99 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
07 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
05 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
04 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
03 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
02 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
01 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
00 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
99 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
07 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
05 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
04 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
03 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
02 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
01 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.
00 [illegible]	41.	51.5	59.1	60.3	63.3	64.3	64.7	65.2	65.4	65.

TOTAL NUMBER OF OBSERVATIONS 2224

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUN 93
MONTH: AUG HOURS: 00-02

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
45.1	45.3	45.5	45.7	45.9	46.0	46.0	46.0	46.0	46.0	46.0
49.9	50.2	50.5	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0
49.9	50.2	50.5	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0
49.9	50.2	50.5	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0
50.0	50.3	50.6	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1
50.4	50.8	51.1	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5
54.3	54.9	55.2	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6
54.3	54.9	55.1	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6
50.9	51.4	52.3	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8
61.7	62.7	63.1	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0
63.4	64.4	64.8	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7
69.9	70.1	70.5	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4
74.2	74.7	75.3	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3
74.3	74.8	75.1	76.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2
79.4	82.9	81.5	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6
83.0	83.5	84.2	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3
85.5	86.3	86.5	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7
86.2	86.9	87.4	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5
86.2	86.9	87.4	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5
88.6	89.2	89.8	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9
87.8	89.6	90.2	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3
91.1	91.9	91.9	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0
91.7	92.5	92.9	93.5	93.8	93.9	93.9	93.9	93.9	93.9	93.9
91.9	93.0	94.0	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1
92.8	94.4	95.4	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5
92.8	94.9	95.9	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0
96.2	96.6	98.0	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
96.3	96.9	98.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
96.3	96.9	98.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
96.3	96.9	98.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
96.3	96.9	98.5	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9
96.3	96.9	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A" [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
[illegible] OBSERVATION[illegible]

STATION NUMBER: 36353 STATION NAME: [illegible] [illegible]
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS [illegible] 11	[illegible]	[illegible]	[illegible]	[illegible] 4[illegible]	[illegible] 40	[illegible] 32	[illegible] 24	[illegible]	[illegible] 1[illegible]
NO CEIL	[illegible]	[illegible]	[illegible]	29.5	33.0	[illegible]	[illegible]	[illegible]	37.1	37.[illegible]
[illegible] 20000	[illegible]	[illegible]	31.5	32.7	35.5	37.4	[illegible]	[illegible]	[illegible]	41.[illegible]
[illegible]	[illegible]	[illegible]	31.5	32.7	35.5	37.4	[illegible]	40.4	41.1	41.[illegible]
[illegible] 16000	[illegible]	[illegible]	31.5	32.7	35.5	37.4	[illegible]	[illegible]	41.1	41.[illegible]
[illegible] 14000	[illegible]	[illegible]	31.7	[illegible]	35.7	37.5	[illegible]	[illegible]	[illegible]	41.[illegible]
[illegible] 12000	[illegible]	[illegible]	[illegible]	33.1	37.1	[illegible]	[illegible]	[illegible]	41.5	[illegible]
[illegible] 10000	[illegible]	[illegible]	[illegible]	37.3	41.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	31.1	[illegible]	[illegible]	[illegible]	43.5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.1	[illegible]	[illegible]
[illegible]	35.1	[illegible]	[illegible]	44.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	42.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.2	[illegible]	57.3	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	57.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.2	[illegible]	70.3	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.2	[illegible]	[illegible]
[illegible] 1500	[illegible]	[illegible]	[illegible]	57.3	74.4	[illegible]	77.6	[illegible]	[illegible]	[illegible]
[illegible] 1200	[illegible]	[illegible]	65.3	[illegible]	[illegible]	77.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 1000	[illegible]	[illegible]	[illegible]	[illegible]	77.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	70.3	73.1	73.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	57.3	71.1	73.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	81.7	83.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	73.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	73.4	84.0	[illegible]	[illegible]	91.3	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	73.4	[illegible]	[illegible]	84.7	91.7	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	73.4	84.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 100	[illegible]	[illegible]	[illegible]	73.4	84.2	86.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	73.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

IL

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] REYES AFB, NV PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: AUG HOURS: 03-05

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS										
	32	24	20	16	12	10	08	06	04	00
	32.9	34.3	35.5	37.1	37.7	38.1	38.4	38.7	38.9	39.0	39.4
	37.4	39.5	40.4	41.1	41.7	42.2	42.5	42.8	43.0	43.1	43.4
	37.4	39.5	40.4	41.1	41.7	42.2	42.5	42.8	43.0	43.1	43.4
	37.4	39.5	40.4	41.1	41.7	42.2	42.5	42.8	43.0	43.1	43.4
	37.5	38.7	40.5	41.2	41.8	42.3	42.6	42.9	43.1	43.2	43.5
	38.0	39.1	41.0	41.8	42.5	42.7	43.0	43.3	43.5	43.7	44.0
	42.5	43.9	45.9	46.6	47.2	47.7	48.1	48.4	48.6	48.7	49.1
	43.0	44.3	46.3	47.0	47.6	48.1	48.5	48.8	49.0	49.2	49.6
	49.4	50.8	52.8	53.5	54.2	54.7	55.1	55.4	55.6	55.9	56.4
	49.5	51.0	53.1	53.8	54.5	55.1	55.6	55.9	56.3	56.5	56.9
	50.9	52.3	54.4	55.1	55.9	56.5	56.9	57.2	57.5	57.7	58.2
	58.7	60.2	62.4	63.3	64.1	64.7	65.2	65.4	65.7	65.9	66.3
	63.6	65.2	67.4	68.4	69.2	69.8	70.3	70.6	70.8	71.0	71.4
	63.8	65.4	67.6	68.6	69.4	70.0	70.5	70.8	71.0	71.3	71.7
	64.7	66.3	68.5	69.5	70.3	70.9	71.4	71.7	72.0	72.2	72.6
	65.4	67.0	69.3	70.3	71.1	71.7	72.2	72.5	72.8	73.0	73.4
	67.4	69.3	72.0	73.0	74.0	74.8	75.3	75.6	76.0	76.3	76.7
	68.7	71.4	74.3	75.3	76.3	77.1	77.8	78.2	78.6	78.9	79.4
	69.3	71.9	74.8	75.8	76.8	77.6	78.3	78.7	79.1	79.4	79.9
	69.5	72.1	75.0	76.0	77.0	77.8	78.5	78.9	79.3	79.6	80.1
	69.8	72.4	75.3	76.3	77.3	78.1	78.8	79.2	79.6	79.9	80.4
	70.1	72.7	75.6	76.6	77.6	78.4	79.1	79.5	79.9	80.2	80.7
	70.2	72.8	75.7	76.7	77.7	78.5	79.2	79.6	80.0	80.3	80.8
	70.3	72.9	75.8	76.8	77.8	78.6	79.3	79.7	80.1	80.4	80.9
	70.3	73.0	75.9	76.9	77.9	78.7	79.4	79.8	80.2	80.5	81.0
	70.4	73.1	76.0	77.0	78.0	78.8	79.5	79.9	80.3	80.6	81.1
	70.5	73.2	76.1	77.1	78.1	78.9	79.6	80.0	80.4	80.7	81.2
	70.6	73.3	76.2	77.2	78.2	79.0	79.7	80.1	80.5	80.8	81.3
	70.7	73.4	76.3	77.3	78.3	79.1	79.8	80.2	80.6	80.9	81.4
	70.8	73.5	76.4	77.4	78.4	79.2	79.9	80.3	80.7	81.0	81.5
	70.9	73.6	76.5	77.5	78.5	79.3	80.0	80.4	80.8	81.1	81.6
	71.0	73.7	76.6	77.6	78.6	79.4	80.1	80.5	80.9	81.2	81.7
	71.1	73.8	76.7	77.7	78.7	79.5	80.2	80.6	81.0	81.3	81.8
	71.2	73.9	76.8	77.8	78.8	79.6	80.3	80.7	81.1	81.4	81.9
	71.3	74.0	76.9	77.9	78.9	79.7	80.4	80.8	81.2	81.5	82.0
	71.4	74.1	77.0	78.0	79.0	79.8	80.5	80.9	81.3	81.6	82.1
	71.5	74.2	77.1	78.1	79.1	79.9	80.6	81.0	81.4	81.7	82.2
	71.6	74.3	77.2	78.2	79.2	80.0	80.7	81.1	81.5	81.8	82.3
	71.7	74.4	77.3	78.3	79.3	80.1	80.8	81.2	81.6	81.9	82.4
	71.8	74.5	77.4	78.4	79.4	80.2	80.9	81.3	81.7	82.0	82.5
	71.9	74.6	77.5	78.5	79.5	80.3	81.0	81.4	81.8	82.1	82.6
	72.0	74.7	77.6	78.6	79.6	80.4	81.1	81.5	81.9	82.2	82.7
	72.1	74.8	77.7	78.7	79.7	80.5	81.2	81.6	82.0	82.3	82.8
	72.2	74.9	77.8	78.8	79.8	80.6	81.3	81.7	82.1	82.4	82.9
	72.3	75.0	77.9	78.9	79.9	80.7	81.4	81.8	82.2	82.5	83.0
	72.4	75.1	78.0	79.0	80.0	80.8	81.5	81.9	82.3	82.6	83.1
	72.5	75.2	78.1	79.1	80.1	80.9	81.6	82.0	82.4	82.7	83.2
	72.6	75.3	78.2	79.2	80.2	81.0	81.7	82.1	82.5	82.8	83.3
	72.7	75.4	78.3	79.3	80.3	81.1	81.8	82.2	82.6	82.9	83.4
	72.8	75.5	78.4	79.4	80.4	81.2	81.9	82.3	82.7	83.0	83.5
	72.9	75.6	78.5	79.5	80.5	81.3	82.0	82.4	82.8	83.1	83.6
	73.0	75.7	78.6	79.6	80.6	81.4	82.1	82.5	82.9	83.2	83.7
	73.1	75.8	78.7	79.7	80.7	81.5	82.2	82.6	83.0	83.3	83.8
	73.2	75.9	78.8	79.8	80.8	81.6	82.3	82.7	83.1	83.4	83.9
	73.3	76.0	78.9	79.9	80.9	81.7	82.4	82.8	83.2	83.5	84.0
	73.4	76.1	79.0	80.0	81.0	81.8	82.5	82.9	83.3	83.6	84.1
	73.5	76.2	79.1	80.1	81.1	81.9	82.6	83.0	83.4	83.7	84.2
	73.6	76.3	79.2	80.2	81.2	82.0	82.7	83.1	83.5	83.8	84.3
	73.7	76.4	79.3	80.3	81.3	82.1	82.8	83.2	83.6	83.9	84.4
	73.8	76.5	79.4	80.4	81.4	82.2	82.9	83.3	83.7	84.0	84.5
	73.9	76.6	79.5	80.5	81.5	82.3	83.0	83.4	83.8	84.1	84.6
	74.0	76.7	79.6	80.6	81.6	82.4	83.1	83.5	83.9	84.2	84.7
	74.1	76.8	79.7	80.7	81.7	82.5	83.2	83.6	84.0	84.3	84.8
	74.2	76.9	79.8	80.8	81.8	82.6	83.3	83.7	84.1	84.4	84.9
	74.3	77.0	79.9	80.9	81.9	82.7	83.4	83.8	84.2	84.5	85.0
	74.4	77.1	80.0	81.0	82.0	82.8	83.5	83.9	84.3	84.6	85.1
	74.5	77.2	80.1	81.1	82.1	82.9	83.6	84.0	84.4	84.7	85.2
	74.6	77.3	80.2	81.2	82.2	83.0	83.7	84.1	84.5	84.8	85.3
	74.7	77.4	80.3	81.3	82.3	83.1	83.8	84.2	84.6	84.9	85.4
	74.8	77.5	80.4	81.4	82.4	83.2	83.9	84.3	84.7	85.0	85.5
	74.9	77.6	80.5	81.5	82.5	83.3	84.0	84.4	84.8	85.1	85.6
	75.0	77.7	80.6	81.6	82.6	83.4	84.1	84.5	84.9	85.2	85.7
	75.1	77.8	80.7	81.7	82.7	83.5	84.2	84.6	85.0	85.3	85.8
	75.2	77.9	80.8	81.8	82.8	83.6	84.3	84.7	85.1	85.4	85.9
	75.3	78.0	80.9	81.9	82.9	83.7	84.4	84.8	85.2	85.5	86.0
	75.4	78.1	81.0	82.0	83.0	83.8	84.5	84.9	85.3	85.6	86.1
	75.5	78.2	81.1	82.1	83.1	83.9	84.6	85.0	85.4	85.7	86.2
	75.6	78.3	81.2	82.2	83.2	84.0	84.7	85.1	85.5	85.8	86.3
	75.7	78.4	81.3	82.3	83.3	84.1	84.8	85.2	85.6	85.9	86.4
	75.8	78.5	81.4	82.4	83.4	84.2	84.9	85.3	85.7	86.0	86.5
	75.9	78.6	81.5	82.5	83.5	84.3	85.0	85.4	85.8	86.1	86.6
	76.0	78.7	81.6	82.6	83.6	84.4	85.1	85.5	85.9	86.2	86.7
	76.1	78.8	81.7	82.7	83.7	84.5	85.2	85.6	86.0	86.3	86.8
	76.2	78.9	81.8	82.8	83.8	84.6	85.3	85.7	86.1	86.4	86.9
	76.3	79.0	81.9	82.9	83.9	84.7	85.4	85.8	86.2	86.5	87.0
	76.4	79.1	82.0	83.0	84.0	84.8	85.5	85.9	86.3	86.6	87.1
	76.5	79.2	82.1	83.1	84.1	84.9	85.6	86.0	86.4	86.7	87.2
	76.6	79.3	82.2	83.2	84.2	85.0	85.7	86.1	86.5	86.8	87.3
	76.7	79.4	82.3	83.3	84.3	85.1	85.8	86.2	86.6	86.9	87.4
	76.8	79.5	82.4	83.4	84.4	85.2	85.9	86.3	86.7	87.0	87.5
	76.9	79.6	82.5	83.5	84.5	85.3	86.0	86.4	86.8	87.1	87.6
	77.0	79.7	82.6	83.6	84.6	85.4	86.1	86.5	86.9	87.2	87.7
	77.1	79.8	82.7	83.7	84.7	85.5	86.2	86.6	87.0	87.3	87.8
	77.2	79.9	82.8	83.8	84.8	85.6	86.3	86.7	87.1	87.4	87.9
	77.3	80.0	82.9	83.9	84.9	85.7	86.4	86.8	87.2	87.5	88.0
	77.4	80.1	83.0	84.0	85.0	85.8	86.5	86.9	87.3	87.6	88.1
	77.5	80.2	83.1	84.1	85.1	85.9	86.6	87.0	87.4	87.7	88.2
	77.6	80.3	83.2	84.2	85.2	86.0	86.7	87.1	87.5	87.8	88.3
	77.7	80.4	83.3	84.3	85.3	86.1	86.8	87.2	87.6	87.9	88.4
	77.8	80.5	83.4	84.4	85.4	86.2	86.9	87.3	87.7	88.0	88.5
	77.9	80.6	83.5	84.5	85.5	86.3	87.0	87.4	87.8	88.1	88.6
	78.0	80.7	83.6	84.6	85.6	86.4	87.1	87.5	87.9	88.2	88.7
	78.1	80.8	83.7	84.7	85.7	86.5	87.2	87.6	88.0	88.3	88.8
	78.2	80.9	83.8	84.8	85.8	86.6	87.3	87.7	88.1	88.4	88.9
	78.3	81.0	83.9	84.9	85.9	86.7	87.4	87.8	88.2	88.5	89.0
	78.4	81.1	84.0	85.0	86.0	86.8	87.5	87.9	88.3	88.6	89.1
	78.5	81.2	84.1	85.1	86.1	86.9	87.6	88.0	88.4	88.7	89.2
	78.6	81.3	84.2	85.2	86.2	87.0	87.7	88.1	88.5	88.8	89.3
	78.7	81.4	84.3	85.3	86.3	87.1	87.8	88.2	88.6	88.9	89.4
	78.8	81.5	84.4	85.4	86.4	87.2	87.9	88.3	88.7	89.0	89.5
	78.9	81.6	84.5	85.5	86.5	87.3	88.0	88.4	88.8	89.1	89.6
	79.0	81.7	84.6	85.6	86.6	87.4	88.1	88.5	88.9	89.2	89.7
	79.1	81.8	84.7	85.7	86.7	87.5	88.2	88.6	89.0	89.3	89.8
	79.2	81.9	84.8	85.8	86.8	87.6	88.3	88.7	89.1	89.4	89.9
	79.3	82.0	84.9	85.9	86.9	87.7	88.4	88.8	89.2	89.5	90.0
	79.4	82.1	85.0	86.0	87.0	87.8	88.5	88.9	89.3	89.6	90.1
	79.5	82.2	85.1	86.1	87.1	87.9	88.6	89.0	89.4	89.7	90.2
	79.6	82.3	85.2	86.2	87.2	88.0	88.7	89.1	89.5	89.8	90.3
	79.7	82.4	85.3	86.3	87.3	88.1	88.8	89.2	89.6	89.9	90.4
	79.8	82.5	85.4	86.4	87.4	88.2	88.9	89.3	89.7	90.0	90.5
	79.9	82.6	85.5	86.5	87.5	88.3	89.0	89.4	89.8	90.1	90.6
	80.0	82.7	85.6	86.6	87.6	88.4	89.1	89.5	89.9	90.2	90.7
	80.1	82.8	85.7	86.7	87.7	88.5	89.2	89.6	90.0	90.3	90.8
	80.2	82.9	85.8	86.8	87.8	88.6	89.3	89.7	90.1	90.4	90.9
	80.3	83.0	85.9	86.9	87.9	88.7	89.4	89.8	90.2	90.5	91.0
	80.4	83.1	86.0	87.0	88.0	88.8	89.5	89.9	90.3	90.6	91.1
	80.5	83.2	86.1	87.1	88.1	88.9	89.6	90.0	90.4	90.7	91.2
	80.6	83.3	86.2	87.2	88.2	89.0	89.7	90.1	90.5	90.8	91.3
	80.7	83.4	86.3	87.3	88.3	89.1	89.8	90.2	90.6	90.9	91.4
	80.8	83.5	86.4	87.4	88.4	89.2	89.9	90.3	90.7	91.0	91.5
	80.9	83.6	86.5	87.5	88.5	89.3	90.0	90.4	90.8	91.1	91.6
	81.0	83.7	86.6	87.6	88.6	89.4	90.1	90.5	90.9	91.2	91.7
	81.1	83.8	86.7	87.7	88.7	89.5	90.2	90.6	91.0	91.3	91.8
	81.2	83.9	86.8	87.8	88.8	89.6	90.3	90.7	91.1	91.4	91.9
	81.3	84.0	86.9	87.9	88.9	89.7	90.4	90.8	91.2	91.5	92.0
	81.4	84.1	87.0	88.0	89.0	89.8	90.5	90.9	91.3	91.6	92.1
	81.5	84.2	87.1	88.1	89.1	89.9	90.6	91.0	91.4	91.7	92.2
	81.6	84.3	87.2	88.2	89.2	90.0	90.7	91.1	91.5	91.8	92.3
	81.7	84.4	87.3	88.3	89.3	90.1	90.8	91.2	91.6	91.9	92.4
	81.8	84.5	87.4	88.4	89.4	90.2	90.9	91.3	91.7	92.0	92.5
	81.9	84.6	87.5	88.5	89.5	90.3	91.0	91.4	91.8	92.1	92.6
	82.0	84.7	87.6	88.6	89.6	90.4	91.1	91.5	91.9	92.2	92.7
	82.1	84.8	87.7	88.7	89.7	90.5	91.2	91.6	92.0	92.3	92.8
	82.2	84.9	87.8	88.8	89.8	90.6	91.3	91.7	92.1	92.4	92.9
	82.3	85.0	87.9	88.9	89.9	90.7	91.4	91.8	92.2	92.5	93.0
	82.4	85.1	88.0	89.0	90.0	90.8	91.5	91.9	92.3	92.6	93.1
	82.5	85.2	88.1	89.1	90.1	90.9	91.6	92.0	92.4	92.7	93.2
	82.6	85.3	88.2	89.2	90.2	91.0	91.7	92.1	92.5	92.8	93.3
	82.7	85.4	88.3	89.3	90.3	91.1	91.8	92.2	92.6	92.9	93.4
	82.8	85.5	88.4	89.4	90.4	91.2	91.9	92.3	92.7	93.0	93.5
	82.9	85.6	88.5	89.5	90.5	91.3	92.0	92.4	92.8	93.1	93.6
	83.0	85.7	88.6	89.6	90.6	91.4	92.1	92.5	92.9	93.2	93.7
	83.1	85.8	88.7	89.7	90.7	91.5	92.2	92.6	93.0	93.3	93.8
	83.2	85.9	88.8	89.8	90.8	91.6	92.3	92.7	93.1	93.4	93.9
	83.3	86.0	88.9	89.9	90.9	91.7	92.4	92.8	93.2	93.5	94.0
	83.4	86.1	89.0	90.0	91.0	91.8	92.5	92.9	93.3	93.6	94.1
	83.5	86.2	89.1	90.1	91.1	91.9	92.6	93.0	93.4	93.7	94.2
	83.6	86.3	89.2	90.2	91.2	92.0	92.7	93.1	93.5	93.8	94.3
	83.7	86.4	89.3	90.3	91.3	92.1	92.8	93.2	93.6	93.9	94.4
	83.8	86.5	89.4	90.4	91.4	92.2	92.9	93.3	93.7	94.0	94.5
	83.9	86.6	89.5	90.5	91.5	92.3	93.0	93.4	93.8	94.1	94.6
	84.0	86.7	89.6	90.6	91.6	92.4	93.1	93.5	93.9	94.2	94.7
	84.1	86.8	89.7	90.7	91.7	92.5	93.2	93.6	94.0	94.3	94.8
	84.2	86.9	89.8	90.8	91.8	92.6	93.3	93.7	94.1	94.4	94.9
	84.3	87.0	89.9	90.9	91.9	92.7	93.4	93.8	94.2	94.5	95.0
	84.4	87.1	90.0	91.0	92.0	92.8	93.5	93.9	94.3	94.6	95.1
	84.5	87.2	90.1	91.1	92.1	92.9	93.6	94.0	94.4	94.7	95.2
	84.6	87.3	90.2	91.2	92.2	93.0	93.7	94.1	94.5	94.8	95.3
	84.7	87.4	90.3	91.3	92.3	93.1	93.8	94.2	94.6	94.9	95.4
	84.8	87.5	90.4	91.4	92.4	93.2	93.9	94.3	94.7	95.0	95.5
	84.9	87.6	90.5	91.5	92.5	93.3	94.0	94.4	94.8	95.1	95.6
	85.0	87.7	90.6	91.6	92.6	93.4	94.1	94.5	94.9	95.2	95.7
	85.1	87.8	90.7	91.7	92.7	93.5	94.2	94.6	95.0	95.3	95.8
	85.2	87.9	90.8	91.8	92.8	93.6	94.3	94.7	95.1	95.4	95.9
	85.3	88.0	90.9	91.9	92.9	93.7	94.4	94.8	95.2	95.5	96.0
	85.4	88.1	91.0	92.0	93.0	93.8	94.5	94.9	95.3	95.6	96.1
	85.5	88.2	91.1	92.1	93.1	93.9	94.6	95.0	95.4	95.7	96.2
	85.6	88.3	91.2	92.2	93.2	94.0	94.7	95.1	95.5	95.8	96.3
	85.7	88.4	91.3	92.3	93.3	94.1	94.8	95.2	95.6	95.9	96.4
	85.8	88.5	91.4	92.4	93.4	94.2	94.9	95.3	95.7	96.0	96.5
	85.9	88.6	91.5	92.5	93.5	94.3	95.0	95.4	95.8	96.1	96.6
	86.0	88.7	91.6	92.6	93.6	94.4	95.1	95.5	95.9	96.2	96.7
	86.1	88.8	91.7	92.7	93.7	94.5	95.2	95.6	96.0	96.3	96.8
	86.2	88.9	91.8	92.8	93.8	94.6	95.3	95.7	96.1	96.4	96.9
	86.3	89.0	91.9	92.9	93.9	94.7	95.4	95.8	96.2	96.5	97.0
	86.4	89.1	92.0	93.0	94.0	94.8	95.5	95.9	96.3	96.6	97.1
	86.5	89.2	92.1	93.1	94.1	94.9	95.6	96.0	96.4	96.7	97.2
	86.6	89.3	92.2	93.2	94.2	95.0	95.7	96.1	96.5	96.8	97.3
	86.7	89.4	92.3	93.3	94.3	95.1	95.8	96.2	96.6	96.9	97.4
	86.8	89.5	92.4	93.4	94.4	95.2	95.9	96.3	96.7	97.0	97.5
	86.9	89.6	92.5	93.5	94.5	95.3	96.0	96.4	96.8	97.1	97.6
	87.0	89.7	92.6	93.6	94.6	95.4	96.1	96.5	96.9	97.2	97.7
	87.1	89.8	92.7	93.7	94.7	95.5	96.2	96.6	97.0	97.3	97.8
	87.2	89.9	92.8	93.8	94.8	95.6	96.3	96.7	97.1	97.4	97.9
	87.3	90.0	92.9	93.9	94.9	95.7	96.4	96.8	97.2	97.5	98.0
	87.4	90.1	93.0	94.0	95.0	95.8	96.5	96.9	97.3	97.6	98.1
	87.5	90.2	93.1	94.1	95.1	95.9	96.6	97.0	97.4	97.7	98.2
	87.6	90.3	93.2	94.2	95.2	96.0	96.7	97.1	97.5	97.8	98.3
	87.7	90.4	93.3	94.3	95.3	96.1	96.8	97.2	97.6	97.9	98.4
	87.8	90.5	93.4	94.4	95.4	96.2	96.9	97.3	97.7	98.0	98.5
	87.9	90.6	93.5	94.5	95.5	96.3	97.0	97.4	97.8	98.1	98.6
	88.0	90.7	93.6	94.6	95.6	96.4	97.1	97.5	97.9	98.2	98.7
	88.1	90.8	93.7	94.7	95.7	96.5	97.2	97.6	98.0	98.3	98.8
	88.2	90.9	93.8	94.8	95.8	96.6	97.3	97.7	98.1	98.4	98.9
	88.3	91.0	93.9	94.9	95.9	96.7	97.4	97.8	98.2	98.5	99.0
	88.4	91.1	94.0	95.0	96.0	96.8	97.5	97.9	98.3	98.6	99.1
	88.5	91.2	94.1	95.1	96.1	96.9	97.6	98.0	98.4	98.7	99.2
	88.6	91.3	94.2	95.2	96.2	97.0	97.7	98.1	98.5	98.8	99.3
	88.7	91.4	94.3	95.3	96.3	97.1	97.8	98.2	98.6	98.9	99.4
	88.8	91.5	94.4	95.4	96.4	97.2	97.9	98.3	98.7	99.0	99.5
	88.9	91.6	94.5	95.5	96.5	97.3	98.0	98.4	98.8	99.1	99.6
	89.0	91.7	94.6	95.6	96.6	97.4	98.1	98.5	98.9	99.2	99.7
	89.1	91.8	94.7	95.7	96.7	97.5	98.2	98.6	99.0	99.3	99.8
	89.2	91.9	94.8	95.8	96.8	97.6	98.3	98.7	99.1	99.4	99.9
	89.3	92.0	94.9	95.9	96.9	97.7	98.4	98.8	99.2	99.5	100.0

OPERATING LOCATION: WAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM SUPPLY OBSERVATI

STATION NUMBER: 93753 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	10+	7	5	4	3	2½	2	1½	1	½
	110	70	50	40	30	25	20	15	10	5
10 OVC	17.7	17.7	22.7	22.9	24.8	25.4	25.8	26.2	27.1	2
9/ 10-100	20.	21.	25.3	25.3	29.2	29.5	30.3	31.4	32.8	3
8/ 1-3/10	21.2	21.2	25.7	27.0	29.2	29.6	30.1	31.6	32.5	3
7/ 4-5/10	21.2	21.2	25.7	27.0	29.2	29.6	30.1	31.7	32.5	3
6/ 6-7/10	21.2	21.2	25.7	27.2	29.2	29.7	30.3	31.7	32.6	3
5/ 8/10	21.2	21.2	27.2	27.5	29.3	33.4	31.4	32.7	33.3	3
4/ 9-10/10	24.2	24.2	31.2	31.2	34.1	35.1	35.2	36.1	37.2	3
3/ 11-20/10	24.2	24.2	33.4	33.5	35.3	36.2	37.1	38.2	39.5	4
2/ 21-30/10	25.	25.	36.2	37.3	40.0	42.3	43.2	44.1	44.7	4
1/ 31-50/10	26.	26.	38.5	39.1	43.4	46.1	46.7	48.3	49.1	4
0/ 51+/10	26.2	26.2	39.1	39.7	44.2	47.0	48.0	49.5	50.7	5
9/ 10-100	34.7	34.7	41.3	42.7	45.7	47.3	48.1	51.2	1.	5
8/ 1-3/10	35.3	35.3	42.3	43.2	47.4	51.1	52.4	55.3	56.8	5
7/ 4-5/10	36.2	36.2	43.2	44.3	48.3	52.5	53.9	56.1	57.7	5
6/ 6-7/10	41.7	41.	52.3	54.1	58.4	62.0	63.1	66.5	68.2	6
5/ 8/10	43.	43.	55.7	56.4	61.3	65.2	66.2	69.7	71.3	7
4/ 9-10/10	46.	46.2	59.3	60.7	65.2	69.2	70.5	73.6	75.2	7
3/ 11-20/10	46.1	46.2	59.7	61.5	66.4	70.5	71.7	74.8	76.3	7
2/ 21-30/10	46.4	46.5	61.2	63.2	68.1	72.2	73.5	76.9	78.7	7
1/ 31-50/10	46.7	46.	61.7	63.	68.	72.9	74.4	78.2	79.	7
0/ 51+/10	47.0	46.7	62.0	64.2	70.4	74.5	76.3	79.1	80.9	7
9/ 10-100	47.	47.	63.3	66.3	72.7	77.3	79.3	84.1	86.	8
8/ 1-3/10	47.3	47.3	63.7	66.9	73.2	78.0	79.9	84.7	86.6	8
7/ 4-5/10	47.6	47.6	64.1	67.3	74.1	79.3	81.2	86.1	88.	8
6/ 6-7/10	47.7	47.7	64.2	67.4	74.3	79.5	81.4	86.3	88.2	8
5/ 8/10	47.7	47.7	64.2	67.4	74.3	79.5	81.4	86.3	88.2	8
4/ 9-10/10	47.7	47.7	64.2	67.4	74.3	79.5	81.4	86.3	88.2	8
3/ 11-20/10	47.7	47.7	64.2	67.4	74.3	79.5	81.4	86.3	88.2	8
2/ 21-30/10	47.7	47.7	64.2	67.4	74.3	79.5	81.4	86.3	88.2	8
1/ 31-50/10	47.7	47.7	64.2	67.4	74.3	79.5	81.4	86.3	88.2	8
0/ 51+/10	47.7	47.7	64.2	67.4	74.3	79.5	81.4	86.3	88.2	8

TOTAL NUMBER OF OBSERVATIONS 983

ASL FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: AUG HOURS: 06-09

CEILING IN METERS										
[illegible]	32	24	20	16	12	10	08	06	04	00
[illegible]	25.2	26.[illegible]	27.1	27.7	28.2	28.3	28.4	28.5	28.7	29.4
[illegible]	33.3	31.[illegible]	32.3	33.1	33.9	34.0	34.1	34.4	34.7	35.7
[illegible]	33.[illegible]	31.[illegible]	32.[illegible]	33.3	34.1	34.2	34.3	34.6	34.9	35.9
[illegible]	33.6	31.[illegible]	32.[illegible]	33.3	34.1	34.2	34.3	34.6	34.9	35.9
[illegible]	33.6	31.2	32.[illegible]	33.3	34.1	34.2	34.3	34.6	34.9	35.9
[illegible]	31.4	32.7	33.3	34.2	34.9	35.1	35.2	35.5	35.8	36.9
[illegible]	38.2	39.1	[illegible].7	39.[illegible]	40.5	40.[illegible]	40.9	41.2	41.5	42.5
[illegible]	38.1	39.[illegible]	40.[illegible]	41.6	42.4	42.5	42.7	43.1	43.4	44.4
[illegible]	42.2	44.1	44.7	45.9	46.7	46.9	47.1	47.6	48.0	48.9
[illegible]	43.7	44.9	45.5	45.9	47.5	47.7	48.0	48.5	48.9	49.8
[illegible]	44.5	45.9	47.4	48.6	49.4	49.6	49.8	50.3	50.6	51.6
[illegible]	48.2	51.2	51.[illegible]	53.0	53.9	54.1	54.3	54.8	55.2	56.1
[illegible]	57.4	59.3	59.9	57.1	58.0	58.2	58.4	58.8	59.2	60.2
[illegible]	[illegible].5	51.1	51.7	52.9	53.8	54.0	54.2	54.7	55.2	56.1
[illegible]	61.1	63.5	64.2	65.4	66.2	66.5	66.7	67.2	67.6	68.6
[illegible]	64.2	66.7	67.3	68.6	69.5	69.7	69.9	70.4	70.9	71.9
[illegible]	69.[illegible]	69.[illegible]	69.7	71.0	71.[illegible]	72.2	72.4	72.9	73.3	74.3
[illegible]	73.7	71.3	71.9	73.2	74.2	74.4	74.6	75.2	75.6	76.6
[illegible]	73.6	72.0	72.7	74.0	74.9	75.2	75.4	75.9	76.3	77.3
[illegible]	72.4	75.2	75.[illegible]	77.1	77.1	77.3	77.5	79.[illegible]	79.5	80.4
[illegible]	74.2	76.[illegible]	77.4	78.[illegible]	80.[illegible]	80.2	80.4	81.0	81.4	82.4
[illegible]	79.[illegible]	79.1	79.[illegible]	81.2	82.4	82.6	82.[illegible]	83.3	84.0	84.9
[illegible]	79.6	79.7	80.3	81.7	82.[illegible]	83.1	83.3	83.9	84.5	85.5
[illegible]	77.7	81.1	81.[illegible]	83.3	84.6	84.7	84.9	85.6	86.1	87.1
[illegible]	79.7	83.0	83.[illegible]	85.3	86.5	86.7	86.9	87.4	88.1	89.0
[illegible]	81.0	84.4	85.2	86.7	87.[illegible]	88.1	88.3	88.[illegible]	89.5	90.4
[illegible]	89.[illegible]	87.7	88.5	90.0	91.4	91.7	92.0	92.6	93.4	94.4
[illegible]	89.[illegible]	89.6	89.6	91.1	92.6	93.0	93.[illegible]	94.0	94.8	95.8
[illegible]	89.6	89.4	90.[illegible]	91.9	93.7	94.1	94.5	95.3	96.1	97.3
[illegible]	89.[illegible]	89.6	90.[illegible]	92.0	93.9	94.4	95.1	95.9	97.0	99.0
[illegible]	89.6	89.6	90.4	92.2	94.0	94.5	95.2	96.0	97.1	99.8
[illegible]	89.6	89.6	90.4	92.2	94.0	94.5	95.2	96.1	97.2	100.0

[illegible] - [illegible] - [illegible]

OPERATING LOCATION NAME
ASHEVILLE, ASHEVILLE NC

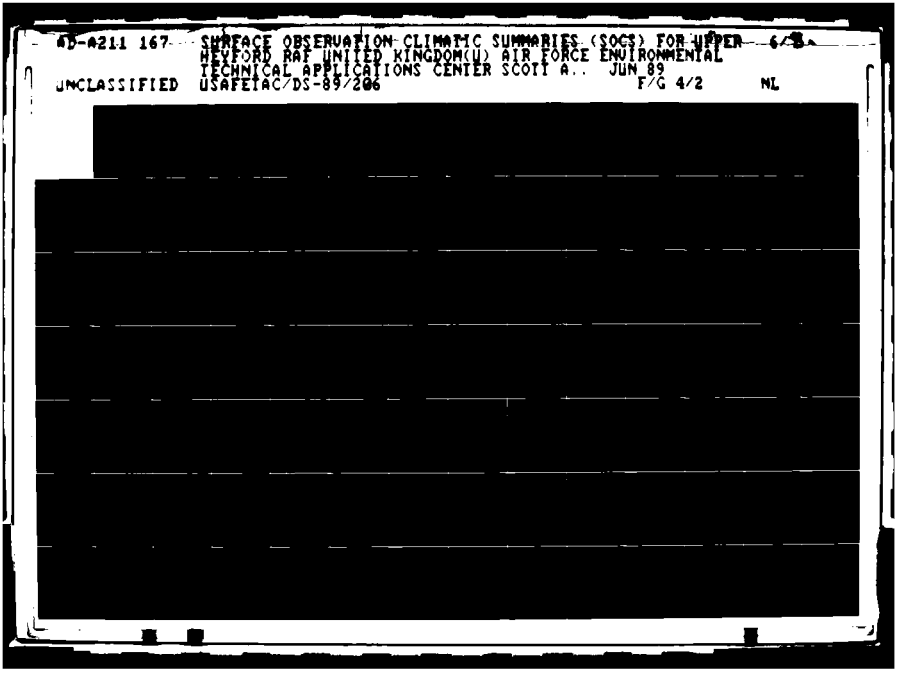
PERCENTAGE FREQUENCY OF OCCURRENCE O-
FOR MONTHLY OBSERVATI

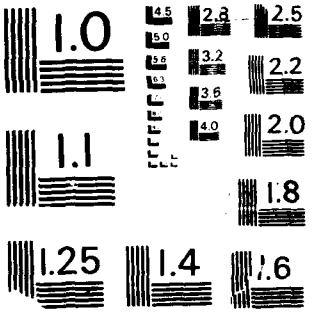
STATION NUMBER: 13872 STATE NAME: UPPER SAVANNAH RIVER SC
EST TIME ZONE: - 5

CEILING	VISIBILITY IN METERS									
IN FEET	11265	8047	4828	3219	2414	1931	1609	1287	965	805
22000	14.2	14.2	21.3	22.1	23.7	24.1	24.2	24.3	24.3	24
15000	25.1	25.1	29.1	29.4	31.1	31.7	32.1	32.7	32.7	32
10000	29.3	29.3	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
8000	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
6000	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
5000	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
4500	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
4000	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
3500	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
3000	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
2500	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
2000	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
1500	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
1000	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
800	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
600	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
400	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
200	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33
0	29.4	29.4	29.4	29.7	31.4	32.3	32.4	33.3	33.3	33

TOTAL NUMBER OF OBSERVATIONS 338

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER 6/3
HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89
UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6

CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB, UK PERIOD OF RECORD: JUL 79 - JUN 83
MONTH: AUG HOURS: 09-11

CEILING IN HUNDREDS OF FEET										
VISIBILITY IN METERS										
50	40	30	24	20	16	12	10	08	06	04	00
24.2	24.2	24.3	24.5	24.5	24.6	24.6	24.8	24.8	24.9	24.9
31.7	32.3	32.7	32.7	32.7	32.[illegible]	32.[illegible]	33.0	33.0	33.1	33.1
32.3	32.4	33.0	33.0	33.0	33.1	33.1	33.3	33.3	33.4	33.4
32.3	32.4	33.0	33.0	33.0	33.1	33.1	33.3	33.3	33.4	33.4
32.2	32.5	33.1	33.1	33.1	33.2	33.2	33.4	33.4	33.5	33.5
33.5	33.9	34.5	34.5	34.6	34.7	34.7	34.9	34.9	35.1	35.1
37.5	38.3	39.4	39.4	39.4	39.5	39.5	39.7	39.7	39.8	39.8
40.2	40.9	41.1	41.1	41.1	41.2	41.2	41.4	41.4	41.5	41.5
42.9	43.7	44.[illegible]	44.[illegible]	44.[illegible]	44.[illegible]	44.[illegible]	45.2	45.2	45.3	45.3
44.5	45.4	45.6	45.6	45.6	45.7	45.7	45.9	46.8	47.0	47.0
45.6	46.2	47.5	47.5	47.5	47.[illegible]	47.5	47.8	47.9	48.0	48.0
50.[illegible]	47.[illegible]	51.0	51.0	51.2	51.4	51.4	51.5	51.6	51.7	51.7
53.0	53.[illegible]	54.2	55.2	55.4	55.[illegible]	55.5	55.[illegible]	55.[illegible]	55.9	55.9
61.1	61.[illegible]	63.2	63.2	63.4	63.[illegible]	63.[illegible]	64.[illegible]	64.0	64.1	64.1
56.5	56.[illegible]	67.7	67.7	67.[illegible]	68.3	68.3	68.5	68.5	68.6	68.6
76.1	76.5	77.2	77.2	77.4	77.7	77.7	78.0	78.0	78.1	78.1
77.7	78.[illegible]	79.9	79.9	80.1	80.4	80.4	80.5	80.[illegible]	80.8	80.8
82.5	83.[illegible]	85.1	85.1	85.3	85.5	85.5	85.[illegible]	85.[illegible]	85.9	85.9
83.[illegible]	84.[illegible]	86.[illegible]	86.[illegible]	86.1	86.5	86.5	86.7	86.7	86.8	86.8
38.2	87.2	89.[illegible]	89.[illegible]	89.9	89.4	89.4	89.6	89.6	89.7	89.7
89.7	90.6	92.4	92.4	92.5	92.9	92.9	93.1	93.1	93.2	93.2
93.4	91.4	93.1	94.1	93.4	93.5	93.[illegible]	94.0	94.[illegible]	94.1	94.1
93.[illegible]	91.[illegible]	93.5	93.5	93.9	94.2	94.2	94.4	94.4	94.5	94.5
91.[illegible]	92.5	94.3	94.3	94.5	94.9	94.9	95.2	95.2	95.3	95.3
91.[illegible]	93.[illegible]	94.[illegible]	94.[illegible]	95.2	95.5	95.5	95.7	95.7	95.[illegible]	95.[illegible]
92.4	93.7	95.[illegible]	95.5	95.[illegible]	95.[illegible]	96.3	96.6	96.6	96.7	96.7
93.[illegible]	95.[illegible]	97.3	97.3	98.0	98.5	98.5	98.7	98.7	98.8	98.8
94.[illegible]	95.[illegible]	97.5	97.5	98.2	98.7	98.7	98.9	98.9	99.0	99.0
94.2	95.7	97.9	98.1	98.7	99.2	99.5	99.7	99.7	99.8	99.8
94.2	95.7	98.0	98.1	98.8	99.4	99.6	99.8	99.9	100.0	100.0
94.2	95.7	98.0	98.1	98.8	99.4	99.6	99.8	99.9	100.0	100.0
94.2	95.7	98.0	98.1	98.8	99.4	99.6	99.8	99.9	100.0	100.0

[illegible] WBAN

[illegible] PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING AND VISIBILITY COMBINATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] HOUR (LST): [illegible]
LST TO UTC: + 0 PERIOD OF RECORD: [illegible]

CEILING (FT)	VISIBILITY (STATUTE MILES)									
	10+	7	5	4	3	2½	2	1½	1	½
[illegible]	17.3	17.3	19.	20.3	21.5	21.9	22.3	22.3	22.3	2 .3
2 [illegible]	22.3	22.3	24.3	27.3	27.4	28.3	28.4	28.4	28.5	28.4
3 1,000	23.4	23.5	25.1	27.3	28.2	28.3	28.7	28.8	28.8	28.
4 [illegible]	23.3	23.3	25.3	27.5	28.4	28.3	28.4	28.5	28.5	28.4
5 [illegible]	23.3	23.3	25.3	27.1	28.3	28.4	28.5	28.6	28.6	28.4
6 [illegible]	24.2	24.2	27.	28.1	29.3	30.3	30.4	30.5	30.5	30.4
7 [illegible]	34.2	34.2	34.3	36.2	38.2	38.7	39.1	39.3	39.3	39.3
8 [illegible]	37.	37.2	38.5	39.7	41.3	41.4	41.6	41.8	41.8	41.7
9 [illegible]	41.1	41.4	42.1	43.7	44.7	44.8	44.9	45.1	45.1	45.1
10 [illegible]	41.1	41.	43.6	45.1	46.2	46.7	47.3	47.4	47.4	47.4
11 [illegible]	42.5	43.1	45.1	46.8	48.3	48.9	49.4	49.6	49.6	49.6
12 [illegible]	43.1	43.5	45.2	47.1	48.5	49.1	49.6	49.8	49.8	49.8
13 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
14 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
15 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
16 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
17 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
18 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
19 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
20 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
21 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
22 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
23 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
24 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
25 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
26 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
27 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
28 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
29 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
30 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
31 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
32 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
33 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
34 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
35 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
36 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
37 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
38 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
39 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
40 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
41 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
42 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
43 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
44 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
45 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
46 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
47 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
48 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
49 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
50 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
51 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
52 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
53 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
54 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
55 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
56 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
57 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
58 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
59 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1
60 [illegible]	43.5	43.7	45.5	47.4	48.8	49.4	49.9	50.1	50.1	50.1

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 75 - JUN 85
MONTH: AUG HOURS: 12-14

VISIBILITY IN METERS										
3+	2½	2	1¾	1¼	1	¾	½	⅜	¼	0
40	32	24	20	16	12	10	08	06	04	00
[illegible].3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
[illegible].3	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
24.5	24.7	24.8	24.8	25.1	25.1	25.1	25.2	25.3	25.3	25.3
[illegible].9	28.9	29.0	29.1	29.0	29.0	29.0	29.0	29.0	29.0	29.0
29.4	29.5	29.5	29.5	29.5	29.5	29.6	29.6	29.6	29.6	29.6
30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
33.7	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
38.3	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
39.8	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
41.3	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
48.5	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
54.3	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
65.5	66.9	67.2	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.4
74.9	75.5	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0
86.3	86.0	86.3	86.3	86.3	86.5	86.6	86.6	86.6	86.6	86.6
89.7	89.5	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0
91.8	92.0	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5
93.2	93.0	93.2	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4
94.8	95.1	95.4	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6
97.7	96.6	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2
97.8	97.8	98.3	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5
97.8	98.8	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9
97.7	98.7	99.1	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4
98.0	98.9	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6
98.1	99.1	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

OPERATIONAL LOCATIONAL "AW"
ISABELLA, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FOR MONTHLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: [illegible] NC
LST DIFFERENCE: - 0

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES									
	11	10	09	08	07	06	05	04	03	02
22 OR MORE	22.7	23.1	23.7	24.3	24.5	24.5	24.5	24.5	24.5	24.5
20 TO 21	29.1	30.4	31.3	31.7	31.9	31.9	31.9	31.9	31.9	31.9
18 TO 19	29.1	30.4	31.4	31.9	32.1	32.1	32.1	32.1	32.1	32.1
16 TO 17	29.1	30.4	31.4	31.9	32.1	32.1	32.1	32.1	32.1	32.1
14 TO 15	29.7	30.9	31.9	32.3	32.4	32.4	32.4	32.4	32.4	32.4
12 TO 13	30.1	31.2	32.2	33.1	33.4	33.5	33.5	33.5	33.5	33.5
10 TO 11	34.1	35.5	36.7	37.4	37.8	38.0	38.0	38.0	38.0	38.0
09	34.1	35.5	37.0	38.2	38.7	39.0	39.0	39.0	39.0	39.0
08	38.1	39.7	41.5	43.5	44.3	44.6	44.6	44.6	44.6	44.6
07	39.3	42.2	43.5	45.5	46.2	46.5	46.6	46.6	46.6	46.6
05	44.1	46.4	47.6	47.7	47.8	48.1	48.1	48.1	48.1	48.1
04	50.1	51.5	52.9	53.6	53.8	51.8	54.1	54.1	54.1	54.1
03	52.3	53.7	55.3	56.3	57.1	57.3	57.3	57.3	57.3	57.3
02	67.7	70.3	72.3	73.2	73.6	73.8	73.8	73.8	73.8	73.8
01	72.3	74.9	76.2	77.3	77.6	77.6	77.6	77.6	77.6	77.6
00	75.3	77.9	79.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4
23	76.3	78.9	80.1	81.1	81.4	82.7	83.1	83.3	83.3	83.3
22	76.3	78.9	80.1	81.1	82.0	83.0	84.4	84.6	84.6	84.6
21	76.3	78.9	80.1	81.4	82.3	83.2	84.2	85.1	85.1	85.1
20	77.3	79.9	81.2	82.5	83.8	84.9	85.9	86.7	86.7	86.7
19	78.3	80.9	82.2	83.5	84.8	86.0	87.0	87.8	87.8	87.8
18	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
17	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
16	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
15	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
14	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
13	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
12	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
11	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
10	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
09	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
08	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
07	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
06	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
05	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
04	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
03	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
02	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
01	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8
00	79.3	81.9	83.2	84.5	85.8	87.0	88.0	88.8	88.8	88.8

TOTAL NUMBER OF OBSERVATIONS 838

USI FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB OK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: AUG HOURS: 15-17

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS									
	32	24	20	16	12	10	08	06	04	00
[illegible]	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
[illegible]	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
[illegible]	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
[illegible]	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
[illegible]	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
[illegible]	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
[illegible]	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
[illegible]	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
[illegible]	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
[illegible]	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
[illegible]	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
[illegible]	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
[illegible]	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
[illegible]	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
[illegible]	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
[illegible]	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
[illegible]	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
[illegible]	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.5
[illegible]	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
[illegible]	95.6	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
[illegible]	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
[illegible]	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
[illegible]	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
[illegible]	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
[illegible]	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
[illegible]	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
[illegible]	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
[illegible]	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILI[NG]
USAFETAC, [illegible]VILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK [illegible]
LST TO UTC: - 0 MONTH: [illegible]

CEILING IN FEET	VISIBILITY IN METERS GE 1[illegible]	GE [illegible]	GE [illegible]	GE 50[illegible]	GE 48[illegible]	GE 40[illegible]	GE 32[illegible]	GE 24[illegible]	GE 20[illegible]	GE 16[illegible]	[illegible]
NO CEIL	[illegible]	[illegible]	[illegible]	[illegible]	35.7	36.9	37.1	37.2	37.3	[illegible]	
GE 20000	34.2	[illegible]	41.9	43.	45.7	[illegible]	45.2	45.3	[illegible]	[illegible]	
GE 18000	[illegible]	[illegible]	[illegible]	[illegible]	45.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
GE 16000	34.3	[illegible]	42.0	[illegible]	[illegible]	45.1	45.3	[illegible]	[illegible]	[illegible]	
GE 14000	34.7	[illegible]	42.8	44.3	45.2	45.5	[illegible]	[illegible]	[illegible]	47.1	
GE 12000	35.4	35.6	43.1	[illegible]	47.0	47.3	47.5	47.6	47.7	47.	
GE 10000	[illegible]	[illegible]	45.7	47.7	50.0	50.3	50.5	[illegible]	[illegible]	[illegible]	
GE 9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51.1	51.3	51.5	51.7	[illegible]	
GE 8000	[illegible]	[illegible]	51.1	53.1	[illegible]	56.2	56.5	57.0	57.1	[illegible]	
GE 7000	[illegible]	[illegible]	[illegible]	54.9	57.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
GE 6000	[illegible]	47.3	[illegible]	[illegible]	60.3	[illegible]	61.1	61.7	[illegible]	[illegible]	
GE 5000	[illegible]	[illegible]	64.2	[illegible]	70.2	70.9	71.2	[illegible]	71.9	72.	
GE 4500	[illegible]	[illegible]	70.4	72.0	[illegible]	77.5	[illegible]	[illegible]	[illegible]	[illegible]	
GE 4000	[illegible]	[illegible]	77.5	[illegible]	84.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
GE 3500	[illegible]	[illegible]	[illegible]	[illegible]	85.2	87.0	[illegible]	[illegible]	[illegible]	[illegible]	
GE 3000	70.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.1	[illegible]	
GE 2500	[illegible]	[illegible]	83.7	86.1	90.2	91.0	91.3	92.2	[illegible]	[illegible]	
GE 2000	[illegible]	74.1	84.7	87.5	91.7	92.5	[illegible]	93.7	[illegible]	[illegible]	
GE 1800	[illegible]	74.1	84.7	87.5	91.7	92.5	[illegible]	93.7	[illegible]	[illegible]	
GE 1500	[illegible]	74.4	[illegible]	[illegible]	[illegible]	93.7	94.0	[illegible]	[illegible]	[illegible]	
GE 1200	73.4	[illegible]	[illegible]	89.9	94.3	[illegible]	95.5	[illegible]	[illegible]	97.1	
GE 1000	[illegible]	[illegible]	87.2	90.4	[illegible]	[illegible]	95.2	[illegible]	98.1	[illegible]	
GE 900	74.0	75.5	87.3	90.5	95.2	96.1	96.5	97.	[illegible]	98.4	
GE 800	[illegible]	[illegible]	87.3	90.5	95.3	96.2	[illegible]	[illegible]	[illegible]	98.7	
GE 700	[illegible]	[illegible]	87.4	[illegible]	[illegible]	96.5	97.1	[illegible]	[illegible]	99.	
GE 600	74.0	75.5	87.5	90.9	95.5	96.5	97.2	98.5	[illegible]	99.1	
GE 500	74.0	[illegible]	87.6	91.0	95.0	97.0	97.5	[illegible]	99.5	99.7	[illegible]
GE 400	74.0	[illegible]	87.6	91.0	95.0	97.0	97.5	99.4	99.9	100.0	[illegible]
GE 300	74.0	75.5	87.6	91.0	95.0	97.0	97.5	99.4	99.9	100.0	[illegible]
GE 200	74.0	[illegible]	87.6	91.0	95.0	97.0	97.5	99.4	99.9	[illegible]	[illegible]
GE 100	74.0	75.5	87.6	91.0	95.0	97.0	97.5	99.4	99.9	100.0	[illegible]
GE 000	74.0	75.5	87.6	91.0	95.0	97.0	97.6	99.4	99.9	100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

- FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: AUG HOURS: 1?-20

ILITY IN METERS									
GE 32	GE 24	GE 20	GE 15	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
.1 37.1	37.2	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4
.2 46.2	46.3	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6
. 46.2	46.3	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6
.1 46.3	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7
. 46.9	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
.4 47.6	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
.3 50.5	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
.2 51.3	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8
.2 56.6	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
. 59.3	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4
. 61.1	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
.3 71.2	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
.5 77.1	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
. 85.2	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
.5 87.3	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
.7 90.0	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
.1 91.3	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
.3 93.4	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
.3 93.4	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
.7 94.9	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
.9 96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
.1 98.2	98.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
.1 98.5	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
.3 98.7	98.9	98.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7
.9 99.1	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
.9 99.2	99.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
7.0 97.5	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
7.0 97.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7.0 97.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7.0 97.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7.0 97.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7.0 97.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATIONAL LOCATE A MAN
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF COINCIDENT CEILING AND VISIBILITY
FOR MONTHLY OBSERVATIONS

STATION NUMBER : 13583 STATION NAME: UPPER PEMIGEWASSET NH
LST TO UTC: - 5

PERIOD: 5

CEILING (FT)	VISIBILITY IN STATUTE MILES									
	11	5	3	2	1	1/2	1/4	1/8	0	
22000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
20000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
18000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
16000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
14000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
12000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
10000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
9000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
8000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
7000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
6000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
5000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
4500	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
4000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
3500	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
3000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
2500	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
2000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
1800	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
1600	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
1400	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
1200	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
1000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
900	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
800	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
700	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
600	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
500	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
400	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
300	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
200	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
100	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
000	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0

TOTAL NUMBER OF OBSERVATIONS 330

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: AUG HOURS: 21-23

CEILING IN METERS	VISIBILITY IN METERS									
	32	24	20	16	12	10	[illegible]	06	04	00
[illegible]	47.1	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5
[illegible]	54.1	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	54.1	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	54.1	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	54.2	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	54.4	54.5	54.5	55.1	55.1	55.1	55.1	55.1	55.1	55.1
[illegible]	56.5	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2
[illegible]	57.5	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2
[illegible]	61.1	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0
[illegible]	62.6	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3
[illegible]	64.9	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7
[illegible]	71.5	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
[illegible]	77.1	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
[illegible]	83.7	84.4	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
[illegible]	85.9	86.5	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
[illegible]	89.9	90.3	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
[illegible]	90.9	90.4	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0
[illegible]	91.3	91.3	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
[illegible]	91.5	92.3	92.4	92.5	92.5	92.6	92.5	92.5	92.6	92.6
[illegible]	91.7	92.5	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
[illegible]	93.2	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
[illegible]	94.2	95.2	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9
[illegible]	94.5	95.6	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3
[illegible]	95.2	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9
[illegible]	95.2	97.2	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
[illegible]	95.7	97.7	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
[illegible]	97.5	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
[illegible]	97.5	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	97.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION [illegible]
[illegible], ASHEVILLE [illegible]

PERCENTAGE FREQUENCY OF [illegible]
[illegible] HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST [illegible]: - [illegible]

CEILING IN FEET	VISIBILITY IN [illegible]									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	[illegible]	[illegible]	[illegible]	[illegible]	31.[illegible]	32.3	[illegible]	35.1	3[illegible]	[illegible]
GE 20000	[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]	3[illegible].7	[illegible]
GE 18000	23.1	[illegible].7	3[illegible]	[illegible]	3[illegible].1	[illegible]	3[illegible].1	3[illegible].7	[illegible]	[illegible]
GE 16000	[illegible]	[illegible]	3[illegible].7	3[illegible]	33.[illegible]	3[illegible]	[illegible].1	[illegible].7	[illegible]	[illegible]
GE 14000	[illegible]	[illegible]	3[illegible]	3[illegible]	3[illegible].4	3[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 12000	3[illegible]	[illegible]	[illegible]	3[illegible]	37.1	[illegible].7	4[illegible].1	4[illegible].7	[illegible]	4[illegible]
GE 10000	3[illegible]	[illegible]	[illegible]	[illegible]	4[illegible]	43.4	[illegible].1	[illegible]	4[illegible]	[illegible]
GE 9000	3[illegible]	[illegible].7	[illegible].1	41.[illegible]	[illegible].1	[illegible].7	[illegible]	[illegible].1	[illegible]	[illegible]
GE 8000	[illegible]	[illegible]	[illegible]	[illegible]	4[illegible].4	[illegible]	4[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	[illegible].1	[illegible]	[illegible]	[illegible].7	4[illegible].7	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible].7
GE 6000	3[illegible]	[illegible].4	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 5000	[illegible].4	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	4[illegible]	[illegible]	[illegible].1	[illegible].1	[illegible]	[illegible].4	[illegible]	[illegible]	[illegible].7	[illegible]
GE 4000	[illegible]	[illegible]	[illegible].1	[illegible]	7[illegible]	71.	7[illegible]	7[illegible]	7[illegible]	7[illegible]
GE 3500	[illegible]	[illegible]	[illegible]	7[illegible]	74.[illegible]	7[illegible]	7[illegible]	77.4	77.	7[illegible]
GE 3000	[illegible]	[illegible].1	7[illegible]	7[illegible].1	7[illegible]	[illegible].1	[illegible]	[illegible]	[illegible].7	[illegible].1
GE 2500	[illegible].3	[illegible]	74.[illegible]	7[illegible]	[illegible]	[illegible]1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2000	[illegible]	[illegible].7	7[illegible]	7[illegible]	83.[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	7[illegible]
GE 1800	[illegible]	[illegible].7	7[illegible]	7[illegible]	[illegible]3.7	[illegible]	[illegible]	[illegible].1	[illegible]	7.
GE 1500	[illegible].7	[illegible]	7[illegible]	[illegible]1.1	[illegible]	[illegible]	[illegible].7	[illegible].1	[illegible]	[illegible]
GE 1200	[illegible].3	[illegible]	7[illegible].7	[illegible]	[illegible]7.2	[illegible].3	[illegible]	[illegible]	[illegible]1.[illegible]	[illegible].7
GE 1000	[illegible]	7[illegible].1	[illegible]	[illegible]	[illegible]	[illegible].4	[illegible].7	[illegible]	[illegible]	[illegible]
GE 900	6[illegible]	7[illegible].3	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]1.[illegible]	[illegible].7	[illegible].1	[illegible]
GE 800	[illegible]	7[illegible]	[illegible]1.[illegible]	[illegible].2	[illegible].3	9[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 700	[illegible]	7[illegible].7	[illegible]1.4	[illegible].7	9[illegible]	91.3	[illegible]	[illegible].3	[illegible]	[illegible]
GE 600	[illegible].4	7[illegible]	[illegible]1.7	[illegible]	9[illegible]	[illegible]1.[illegible]	[illegible].4	[illegible]	[illegible].4	[illegible]
GE 500	[illegible]	71.[illegible]	[illegible].2	[illegible].7	91.5	93.[illegible]	[illegible].7	[illegible]	[illegible]	97.[illegible]
GE 400	[illegible]	71.[illegible]	[illegible].2	[illegible].3	91.[illegible]	93.3	[illegible]	[illegible]	[illegible].3	97.
GE 300	[illegible]	71.[illegible]	82.2	[illegible]	91.9	93.4	[illegible].1	97.1	[illegible].5	[illegible].1
GE 200	[illegible].6	71.[illegible]	[illegible].2	[illegible].3	91.[illegible]	93.[illegible]	[illegible].1	97.1	97.[illegible]	[illegible]
GE 100	[illegible]	71.[illegible]	[illegible]2.2	[illegible]	91.9	93.4	[illegible].2	97.2	97.[illegible]	[illegible]
GE 000	[illegible]	71.[illegible]	82.2	85.[illegible]	91.9	93.4	[illegible].2	97.2	97.7	[illegible]

TOTAL NUMBER OF OBSERVATIONS 7440

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
(FROM HOURLY OBSERVATIONS)

[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 74 - JUN 83
MONTH: ALL HOURS: ALL

CEILING IN HUNDREDS OF FEET / VISIBILITY IN STATUTE MILES	22 or more	20	18	16	14	12	10	9	8	7	6	5	4	3	2	1	0
22 or more	32.5	33.1	33.3	33.5	33.6	33.6	33.7	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
20	33.9	33.9	33.7	40.0	40.2	40.2	40.3	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
18	33.1	33.7	33.9	40.1	40.3	40.3	40.4	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
16	34.1	33.7	33.9	40.1	40.3	40.4	40.5	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
14	33.9	33.9	40.1	40.4	40.5	40.5	40.7	40.7	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
12	40.1	40.7	40.9	41.2	41.4	41.4	41.5	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
10	44.1	44.3	45.1	45.4	45.5	45.6	45.7	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
9	46.3	46.1	46.3	46.7	46.7	46.8	46.9	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
8	49.1	49.5	50.1	51.0	51.2	51.4	51.5	51.6	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
7	51.2	52.1	52.4	52.7	52.9	53.0	53.0	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
6	54.3	55.1	56.2	56.5	56.7	56.8	56.9	56.9	56.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
5	56.3	56.9	57.2	57.5	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
4	59.3	60.4	60.7	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
3	72.4	73.3	74.2	74.7	74.9	74.9	75.1	75.1	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2	76.3	77.4	77.9	78.1	78.3	78.4	78.5	78.5	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
1	81.2	82.3	82.7	83.1	83.3	83.4	83.5	83.6	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
0	84.8	84.9	84.5	84.9	85.1	85.2	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
M	86.4	86.8	87.3	87.6	87.8	87.9	87.9	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
V	86.9	87.1	87.4	87.7	88.1	88.1	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
X	87.3	88.1	89.0	89.6	90.1	90.2	90.3	90.4	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
Y	89.5	90.9	91.9	91.7	92.0	92.0	92.1	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
Z	91.7	92.2	92.6	93.0	93.3	93.4	93.5	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
[	91.9	92.7	93.1	93.5	93.7	93.9	94.0	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
\	94.4	93.4	94.3	94.7	94.8	94.7	94.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
]	94.6	94.8	94.9	95.2	95.3	95.4	95.7	95.8	95.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
^	96.4	96.9	96.4	96.4	96.1	96.2	96.3	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
_	96.7	96.9	96.9	97.3	97.7	97.8	97.9	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
`	97.1	97.5	97.8	97.9	98.2	98.3	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
a	98.1	97.1	97.6	98.1	98.6	98.7	98.9	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
b	98.1	97.1	97.6	98.2	98.6	98.8	99.0	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
c	98.2	97.2	97.6	98.2	98.6	98.8	99.0	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
d	98.2	97.2	97.7	98.2	98.7	98.8	99.0	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] HOURLY OBSERVATIONS

[illegible] YEARS [illegible] JK PERIOD OF RECORD: JUL 73 - JUN [illegible]
MONTH: SEP HOURS: 00-02

CEILING IN HUNDREDS OF FEET / VISIBILITY IN METERS	A	B	C	D	E	F	G	H	I	J
	50	32	24	20	16	12	10	08	06	04	00
[illegible]	47.2	47.3	47.7	48.1	48.9	49.0	49.1	49.3	49.3	49.3
[illegible]	51.0	51.1	[illegible]	[illegible]	52.1	52.9	53.0	53.2	53.2	53.2
[illegible]	51.0	51.1	52.5	52.1	52.2	52.9	53.0	53.2	53.2	53.2
[illegible]	51.0	51.1	52.5	52.1	52.2	52.9	53.0	53.2	53.2	53.2
[illegible]	51.2	52.3	[illegible]	53.1	53.2	53.1	53.2	53.4	53.4	53.4
[illegible]	52.4	53.2	54.7	54.2	54.2	54.3	54.4	54.7	54.7	54.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56.2	57.0	57.2	57.2	57.2
[illegible]	[illegible]	[illegible]	[illegible]	57.1	57.1	57.9	[illegible]	[illegible]	58.2	58.2
[illegible]	[illegible]	61.3	[illegible]	[illegible]	62.0	62.1	62.2	62.4	62.4	62.4
[illegible]	62.6	62.6	[illegible]	62.6	62.6	62.7	62.8	63.0	63.0	63.0
[illegible]	[illegible]	[illegible]	[illegible]	64.2	[illegible]	64.1	64.2	64.4	64.4	64.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68.2	68.1	[illegible]	[illegible]	[illegible]	68.4
[illegible]	71.3	71.3	[illegible]	72.3	72.3	72.4	72.5	72.4	72.4	72.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.5	75.7	[illegible]	[illegible]	76.0	76.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	98.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100.0	100.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100.0	100.0

OPERATIONS LOCATION "A"
USAFETAC, SCOTT AFB, IL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
AND VISIBILITY OBSERVATIONS

STATION NUMBER: 93993 STATION NAME: UPPER HEYFORD, ENGLAND
LST TO UTC: - 0 YEARS: 5

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS									
	22	11	7	5	3	2	1	1/2	1/4	0
22 OR MORE	27.2	29.4	33.0	34.4	37.4	37.7	39.1	39.9	40.4	41.3
20 TO 21	30.1	31.3	35.2	36.9	40.2	40.4	41.7	42.1	43.4	44.4
18 TO 19	30.1	31.3	35.2	36.9	40.2	40.4	41.3	42.0	43.4	44.4
16 TO 17	30.1	31.3	35.2	36.9	40.2	40.4	41.3	42.0	43.4	44.4
14 TO 15	34.4	36.7	37.6	37.2	40.6	40.6	42.1	43.7	44.1	44.6
12 TO 13	41.1	41.3	39.4	39.1	41.4	41.7	43.0	44.1	44.7	45.7
10 TO 11	42.4	43.7	43.3	43.3	43.6	43.8	45.1	46.2	46.8	47.7
9	43.1	43.1	43.4	43.8	44.0	44.2	45.5	46.7	47.3	48.2
8	43.3	43.4	43.4	44.1	44.3	44.3	45.6	46.8	47.4	48.3
7	43.3	43.5	43.7	44.9	44.7	44.9	46.3	47.5	48.1	49.1
6	43.3	43.3	43.6	45.4	45.7	46.4	47.1	48.4	49.2	50.1
5	46.2	46.3	46.4	47.1	48.4	48.7	49.8	50.8	51.4	52.4
4	46.2	46.3	46.4	51.6	52.3	52.5	53.4	54.4	55.0	55.9
3	46.2	46.3	46.4	52.1	52.6	53.4	53.7	55.0	55.7	56.6
2	46.2	46.3	46.4	52.3	53.3	55.1	55.7	57.3	58.4	59.3
1	46.2	46.3	46.4	52.3	53.3	55.1	55.7	57.3	58.4	59.3
0	46.2	46.3	46.4	52.3	53.3	55.1	55.7	57.3	58.4	59.3

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STA: UPPER HEYFORD, ENGLAND PERIOD OF RECORD: JUL 73 - JUN 80
CT: - 0 MONTH: SEP HOURS: 03-05

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS											
	9	8	7	6	5	4	3	2	1	0	0	0
	40	40	32	24	20	16	12	10	08	06	04	00
	37.4	37.7	38.2	39.1	40.4	41.3	41.4	42.0	42.0	42.3	42.9	43.4
	40.2	40.4	41.4	42.3	43.4	44.4	44.6	45.2	45.3	45.7	46.2	47.0
	40.2	40.4	41.4	42.3	43.4	44.4	44.6	45.2	45.3	45.7	46.2	47.0
	40.2	40.4	41.4	42.3	43.4	44.4	44.6	45.2	45.3	45.7	46.2	47.0
	40.6	40.8	42.1	43.2	43.8	44.8	44.9	45.6	45.7	46.0	46.6	47.3
	41.4	41.7	43.0	44.1	44.7	45.7	45.9	46.4	46.6	46.9	47.4	48.2
	43.6	43.9	45.1	46.2	46.8	47.8	47.9	48.6	48.7	49.2	49.8	50.6
	44.0	44.2	45.5	46.7	47.2	48.2	48.3	49.0	49.1	49.7	50.2	51.0
	47.0	48.1	49.5	50.3	51.2	52.3	52.4	53.1	53.2	53.3	54.3	55.1
	48.7	48.9	50.3	51.6	52.1	53.1	53.2	53.9	54.0	54.2	55.1	55.9
	49.2	49.4	51.1	52.4	53.0	54.0	54.1	54.8	54.9	55.4	56.0	56.8
	53.4	53.7	55.3	56.3	57.3	58.3	58.4	59.1	59.2	59.3	60.4	61.1
	53.5	54.3	55.4	56.9	57.4	58.4	58.5	59.2	59.3	59.7	60.4	61.2
	53.4	53.9	55.3	56.7	57.4	58.4	60.5	70.2	70.3	70.9	71.4	72.2
	55.1	55.7	57.3	58.4	73.2	73.2	73.3	72.0	72.1	72.7	73.2	74.0
	57.5	58.2	73.0	73.2	73.8	74.8	74.1	74.8	74.9	75.4	76.0	76.8
	69.8	69.2	71.0	73.2	74.1	75.1	75.2	75.9	76.0	76.6	77.1	77.9
	70.3	70.9	72.7	74.9	75.2	76.2	77.0	77.7	77.8	78.3	78.9	79.7
	70.2	71.1	72.9	75.1	76.0	77.1	77.2	77.9	78.0	78.6	79.1	79.9
	72.4	73.3	75.2	77.4	78.4	79.5	79.7	80.3	80.4	81.0	81.6	82.3
	74.6	75.4	77.4	79.7	80.8	81.9	82.0	82.7	82.8	83.3	83.9	84.7
	75.0	75.9	78.1	81.5	82.5	83.7	83.8	84.4	84.6	85.1	85.7	86.4
	75.7	77.7	80.0	82.4	83.4	84.6	84.7	85.3	85.4	85.8	86.3	87.3
	78.3	79.4	82.1	84.7	85.7	86.8	86.9	87.6	87.7	88.2	88.8	89.6
	78.3	80.4	83.2	85.3	86.3	87.3	87.4	88.1	88.3	88.9	89.4	90.0	90.8
	80.0	81.2	84.1	86.3	88.0	89.2	89.3	90.2	90.3	90.9	91.4	92.2	
	81.2	82.4	85.3	89.1	90.3	91.5	91.9	92.6	92.7	93.2	93.8	94.6	
	82.0	83.3	86.7	90.2	91.7	93.1	93.5	94.2	94.7	95.2	95.8	96.6	
	82.8	84.1	87.7	91.2	92.8	94.2	94.9	95.7	96.1	96.9	97.9	98.7	
	82.8	84.1	87.7	91.2	92.9	94.3	95.0	95.9	96.3	97.1	98.2	99.0	
	82.8	84.1	87.7	91.2	92.9	94.3	95.2	96.1	96.6	97.3	98.6	99.9	
	82.8	84.1	87.7	91.2	92.9	94.3	95.2	96.1	96.6	97.3	98.6	100.0	

OPERATING LOCATION MAW
USAFETAC, SCOTT AFB

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM MODIFY OBSERVATIONS

STATION NUMBER: 99999 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 UNIT: F

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	10+	7	5	4	3	2	1 1/2	1	1/2	0
0	11.9	12.5	22.0	23.9	25.3	25.9	27.4	29.3	29.7	30.4
50	20.5	20.7	21.1	27.9	32.7	33.2	34.1	36.7	37.3	37.6
100	23.5	23.3	24.5	30.3	33.1	33.7	34.4	37.1	37.4	38.3
150	23.5	23.5	24.5	30.3	33.1	33.7	34.4	37.1	37.4	38.4
200	23.4	23.5	24.5	30.3	33.3	33.9	34.7	37.3	37.7	38.6
300	24.3	24.1	24.4	31.3	34.1	34.7	35.4	38.1	38.4	39.3
400	25.2	25.2	32.7	34.7	37.5	38.3	39.1	42.3	42.7	43.6
500	27.1	27.4	34.1	36.1	39.2	40.3	41.1	43.	44.1	44.7
600	31.7	32.2	37.2	39.4	43.1	44.0	45.2	47.4	48.1	48.
700	31.6	31.7	36.2	41.3	44.2	45.1	46.1	48.3	48.7	50.1
800	32.4	32.7	37.2	42.1	45.3	46.4	47.5	50.3	51.7	51.9
900	35.3	35.8	40.2	47.3	50.3	52.2	53.4	56.3	56.7	57.1
1000	40.2	40.3	47.3	53.5	56.5	58.9	59.1	63.4	64.1	65.1
1100	41.1	42.2	50.7	54.1	56.2	59.5	60.4	64.4	65.3	66.5
1200	43.2	43.3	52.3	55.2	58.2	61.2	62.7	66.4	67.2	68.5
1300	44.7	44.9	54.3	57.9	62.2	63.7	65.1	69.3	69.6	71.2
1400	45.0	45.2	55.3	59.2	64.3	66.6	68.3	72.5	73.2	74.3
1500	45.1	45.3	55.5	60.4	65.3	68.1	69.7	73.9	74.5	75.4
1600	45.3	45.4	55.6	60.7	65.5	67.1	69.9	73.2	74.2	75.7
1700	45.6	45.8	57.3	61.2	66.2	67.3	69.5	73.9	74.3	75.3
1800	47.4	47.7	58.4	62.5	67.7	69.4	71.2	75.7	76.4	77.3
1900	47.7	47.9	58.5	63.3	68.2	71.1	72.9	77.4	78.1	79.1
2000	48.1	48.3	59.3	64.9	70.4	72.4	74.3	78.5	80.2	81.1
2100	48.7	49.3	61.1	66.6	71.2	73.3	75.3	80.2	81.1	82.7
2200	49.1	49.3	61.2	66.9	72.3	74.9	77.1	81.9	83.3	84.7
2300	49.2	49.4	62.6	67.3	73.4	75.2	78.1	83.2	84.4	85.8
2400	49.4	49.7	62.9	67.5	74.6	77.1	79.3	84.4	85.4	87.3
2500	49.4	49.7	63.0	68.0	75.2	77.9	80.2	85.2	86.1	88.1
2600	49.4	49.7	63.0	68.1	75.7	78.3	80.7	85.9	86.9	91.
2700	49.4	49.7	63.0	68.2	75.8	78.4	80.8	86.0	87.0	91.1
2800	49.4	49.7	63.0	68.2	75.8	78.4	80.8	87.0	87.9	91.1
3000	49.4	49.7	63.0	68.2	75.8	78.4	80.8	87.0	87.9	91.1

TOTAL NUMBER OF OBSERVATIONS 300

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
[illegible]TC: - 0 MONTH: SEP HOURS: 06-09

	VISIBILITY IN METERS											
	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	26.3	26.3	27.4	29.3	29.7	30.4	31.3	32.0	32.0	32.0	32.6	33.3
[illegible]	32.7	33.2	34.3	35.7	37.0	37.4	38.8	39.6	39.6	39.8	40.3	41.2
[illegible]	33.1	33.7	34.4	37.1	37.4	38.3	39.3	40.1	40.1	40.3	40.9	41.8
[illegible]	33.1	33.7	34.4	37.1	37.4	38.3	39.3	40.1	40.1	40.3	40.9	41.8
[illegible]	33.8	33.9	34.7	37.3	37.7	38.6	39.6	40.3	40.3	40.6	41.1	42.0
[illegible]	34.1	34.7	35.4	38.1	38.4	39.3	40.3	41.1	41.1	41.3	41.9	42.8
[illegible]	37.5	38.3	39.6	42.3	42.7	43.6	44.6	45.4	45.6	45.8	46.3	47.4
[illegible]	39.2	40.0	41.3	43.3	44.1	45.0	46.2	47.0	47.0	47.2	47.8	48.9
[illegible]	43.1	44.0	45.3	47.4	48.1	49.2	50.3	51.1	51.1	51.4	52.0	53.1
[illegible]	44.2	45.1	46.1	48.2	49.2	50.1	51.4	52.2	52.2	52.6	53.1	54.2
[illegible]	45.3	46.4	47.6	50.3	51.7	51.6	52.9	53.7	53.7	54.0	54.6	55.7
[illegible]	58.2	59.2	60.4	62.6	63.4	64.4	65.8	66.6	66.6	66.8	67.3	68.4
[illegible]	59.5	60.9	62.1	64.4	65.1	66.1	67.4	68.2	68.2	68.4	68.9	70.0
[illegible]	60.8	62.2	63.4	65.7	66.4	67.4	68.7	69.5	69.5	69.7	70.2	71.3
[illegible]	61.2	62.6	63.8	66.1	66.8	67.8	69.1	69.9	69.9	70.1	70.6	71.7
[illegible]	62.2	63.7	65.1	67.3	68.1	69.1	70.4	71.2	71.2	71.4	72.0	73.1
[illegible]	63.3	64.8	66.3	70.5	71.6	73.0	74.7	75.6	75.6	76.0	76.6	77.8
[illegible]	65.3	66.9	68.7	73.0	74.3	75.4	77.1	78.0	78.0	78.4	79.0	80.2
[illegible]	65.5	67.1	68.9	73.2	74.5	75.7	77.3	78.2	78.2	78.7	79.2	80.4
[illegible]	66.2	67.8	69.6	73.9	75.2	76.3	78.0	78.9	78.9	79.3	79.9	81.1
[illegible]	67.7	69.4	71.2	75.7	76.8	78.2	79.9	80.8	80.8	81.2	81.8	83.0
[illegible]	69.2	71.1	72.9	77.4	78.6	80.1	81.9	82.8	82.8	83.2	83.8	85.0
[illegible]	70.4	72.4	74.3	78.9	80.0	81.5	83.3	84.2	84.2	84.7	85.2	86.4
[illegible]	71.2	73.3	75.3	80.0	81.1	82.7	84.4	85.3	85.3	85.8	86.3	87.5
[illegible]	72.3	74.9	77.0	82.0	83.3	85.0	86.9	87.9	87.9	88.2	88.8	90.0
[illegible]	73.4	75.9	78.1	83.2	84.6	86.3	88.3	89.2	89.3	89.9	90.4	91.7
[illegible]	74.5	77.1	79.3	84.6	86.4	88.3	90.3	91.2	91.3	91.9	92.4	93.7
[illegible]	75.2	77.9	80.2	86.2	88.0	90.1	92.1	93.0	93.1	93.9	94.4	95.7
[illegible]	75.7	78.3	80.7	86.9	88.8	91.0	93.4	94.7	94.8	95.7	96.2	97.4
[illegible]	75.9	78.4	80.8	87.0	88.9	91.1	93.9	95.2	95.3	96.6	97.4	99.3
[illegible]	75.9	78.4	80.8	87.0	88.9	91.1	93.9	95.2	95.4	96.7	97.6	100.0
[illegible]	75.9	78.4	80.8	87.0	88.9	91.1	93.9	95.2	95.4	96.7	97.6	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH: [illegible]

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	24.9	24.2	25.4	27.1	27.5	29.9	29.4	30.0	30.1	31.5
GE 20000	32.7	33.2	35.0	37.1	33.8	38.9	39.5	40.1	40.2	41.4
GE 15000	32.	33.3	35.1	37.2	33.9	39.0	39.7	40.2	40.3	41.4
GE 10000	32.4	33.3	35.1	37.2	33.9	39.0	39.7	40.2	40.3	41.5
GE 9000	32.4	33.3	35.1	37.2	33.9	39.0	39.7	40.2	40.3	41.5
GE 8000	32.7	33.3	35.1	37.2	33.9	39.0	39.7	40.2	40.3	41.5
GE 7000	32.7	33.3	35.1	37.2	33.9	39.0	39.7	40.2	40.3	41.5
GE 6000	32.7	33.3	35.1	37.2	33.9	40.0	40.7	41.2	41.3	41.5
GE 5000	35.5	37.3	40.9	42.6	44.0	44.2	44.9	45.4	45.5	46.
GE 4000	37.4	39.7	42.2	43.3	45.5	45.9	46.5	47.1	47.2	47.7
GE 3000	43.1	45.5	46.9	47.2	50.5	51.0	51.7	52.2	52.3	53.7
GE 2500	43.7	44.5	47.7	49.2	51.0	52.0	52.4	53.0	53.4	54.1
GE 2000	43.2	44.1	46.8	48.0	50.4	52.0	53.7	54.2	54.5	54.7
GE 1800	46.2	47.7	51.7	53.4	56.2	57.7	58.1	58.3	58.4	59.1
GE 1600	47.3	48.2	53.2	54.8	58.3	59.9	61.3	61.5	61.7	62.4
GE 1400	50.1	51.4	57.1	59.4	63.2	64.3	65.5	66.1	66.5	67.2
GE 1200	53.9	55.2	61.7	64.1	68.0	69.1	70.4	71.2	71.4	71.9
GE 1000	59.5	61.0	67.9	70.4	74.4	75.6	76.9	77.7	77.9	78.3
GE 900	61.2	62.7	69.1	72.7	76.8	77.9	79.2	80.0	80.2	80.7
GE 800	62.4	63.9	71.7	74.5	79.1	80.3	81.7	82.5	82.7	83.2
GE 700	64.1	66.4	73.3	76.2	81.9	83.1	84.5	85.2	85.4	86.1
GE 600	64.5	66.0	74.3	77.3	82.2	83.4	84.9	85.7	86.1	86.9
GE 1300	66.3	67.4	76.0	79.1	84.3	85.9	87.5	88.3	88.7	89.5
GE 1200	67.1	68.9	77.8	81.0	86.6	88.2	90.0	91.1	91.4	91.9
GE 1100	67.4	69.3	78.0	81.3	86.9	88.6	90.3	91.4	91.7	92.3
GE 1000	67.9	69.6	78.3	82.4	88.1	89.8	91.5	93.0	93.3	93.9
GE 900	68.1	69.7	78.2	82.7	88.7	90.3	92.7	94.3	94.7	95.3
GE 800	68.2	69.9	78.3	82.8	88.9	90.6	93.0	94.9	95.3	95.9
GE 700	68.3	69.9	78.4	82.9	89.1	91.1	93.7	95.7	96.4	97.2
GE 600	68.3	69.9	78.4	82.9	89.1	91.3	94.1	96.3	97.2	98.0
GE 500	68.3	69.9	78.4	82.9	89.1	91.3	94.1	96.4	97.4	98.2
GE 200	68.3	69.9	78.4	82.9	89.1	91.3	94.1	96.4	97.4	98.2
GE 100	68.3	69.9	78.4	82.9	89.1	91.3	94.1	96.4	97.4	98.2
GE 000	68.3	69.9	78.4	82.9	89.1	91.3	94.1	96.4	97.4	98.2

TOTAL NUMBER OF OBSERVATIONS 909

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
[illegible] - 0 MONTH: SEP HOURS: 09-11

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 09	GE 08	GE 07	GE 06
[illegible]	29.9	29.4	30.0	30.1	30.3	30.3	30.3	30.3	30.4	30.6	30.6
[illegible]	38.9	39.6	40.1	40.2	40.4	40.4	40.4	40.4	40.6	40.7	40.7
[illegible]	39.0	39.7	40.2	40.3	40.5	40.5	40.5	40.5	40.7	40.8	40.8
[illegible]	39.0	39.7	40.2	40.3	40.5	40.5	40.5	40.5	40.7	40.8	40.8
[illegible]	39.0	39.7	40.2	40.3	40.6	40.6	40.6	40.6	40.7	40.8	40.8
[illegible]	40.0	40.7	41.2	41.3	41.5	41.6	41.6	41.6	41.7	41.8	41.8
[illegible]	44.2	44.9	45.4	45.6	45.8	45.8	45.8	45.8	45.9	46.0	46.0
[illegible]	45.9	46.6	47.1	47.2	47.5	47.5	47.5	47.5	47.7	47.8	47.8
[illegible]	51.0	51.7	52.2	52.3	52.7	52.7	52.7	52.7	52.8	52.9	52.9
[illegible]	52.0	52.8	53.3	53.4	53.8	53.8	53.8	53.8	53.9	54.0	54.0
[illegible]	52.9	53.7	54.2	54.3	54.7	54.7	54.7	54.7	54.8	54.9	54.9
[illegible]	57.7	58.5	59.3	59.4	59.9	59.9	59.9	59.9	60.0	60.1	60.1
[illegible]	59.9	61.0	61.8	61.9	62.2	62.2	62.2	62.2	62.3	62.4	62.4
[illegible]	64.3	66.6	66.3	66.5	67.0	67.0	67.1	67.1	67.2	67.3	67.3
[illegible]	69.1	70.4	71.2	71.4	71.9	71.9	72.0	72.0	72.1	72.2	72.2
[illegible]	75.6	76.9	77.7	77.9	78.3	78.3	78.4	78.4	78.6	78.7	78.7
[illegible]	77.9	79.2	80.0	80.2	80.7	80.7	80.8	80.8	80.9	81.0	81.0
[illegible]	80.3	81.7	82.6	82.9	83.2	83.2	83.3	83.3	83.4	83.6	83.6
[illegible]	81.1	82.6	83.4	83.7	84.1	84.1	84.2	84.2	84.3	84.4	84.4
[illegible]	83.4	85.0	85.9	86.1	86.6	86.9	87.0	87.0	87.1	87.2	87.2
[illegible]	86.0	87.6	88.5	88.7	89.2	89.5	89.7	89.7	89.8	89.9	89.9
[illegible]	88.2	90.0	91.1	91.4	91.9	92.2	92.3	92.3	92.4	92.6	92.6
[illegible]	88.6	90.3	91.4	91.8	92.2	92.6	92.7	92.7	92.8	92.9	92.9
[illegible]	89.4	91.3	92.6	93.3	93.8	94.1	94.2	94.2	94.3	94.4	94.4
[illegible]	90.3	92.7	94.3	94.7	95.1	95.4	95.5	95.5	95.7	95.8	95.8
[illegible]	90.6	93.0	94.9	95.3	95.9	96.2	96.3	96.3	96.4	96.6	96.6
[illegible]	91.1	93.7	95.7	96.4	97.2	97.6	97.9	97.9	98.0	98.1	98.1
[illegible]	91.3	94.1	96.3	97.2	98.0	98.7	98.8	98.9	99.0	99.1	99.1
[illegible]	91.3	94.1	96.4	97.4	98.2	99.0	99.1	99.4	99.6	99.7	99.7
[illegible]	91.3	94.1	96.4	97.4	98.2	99.0	99.1	99.4	99.7	100.0	100.0
[illegible]	91.3	94.1	96.4	97.4	98.2	99.0	99.1	99.4	99.7	100.0	100.0
[illegible]	91.3	94.1	96.4	97.4	98.2	99.0	99.1	99.4	99.7	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13583 STATION NAME: UPPER MCREDO GAP NC PERIOD OF
LST TO UTC: - 0 MONTH: OC

CEILING IN FEET	VISIBILITY IN METERS									
	50	40	30	20	16	12	8	6	4	2
NO CEIL	19.6	20.3	21.4	22.0	23.2	23.2	23.4	23.9	23.9	23.9
GE 20000	29.2	30.3	31.3	32.3	33.5	33.9	34.1	34.5	34.5	34.5
GE 18000	29.3	30.1	31.2	32.4	33.7	34.0	34.2	34.7	34.7	34.7
GE 16000	29.3	30.1	31.2	32.4	33.7	34.0	34.2	34.7	34.7	34.7
GE 14000	29.4	30.3	32.1	32.7	33.9	34.2	34.4	34.9	34.9	34.9
GE 12000	30.6	31.3	33.1	33.7	34.9	35.2	35.4	35.9	35.9	35.9
GE 10000	33.5	34.5	36.7	37.2	38.9	39.4	39.7	40.1	40.1	40.1
GE 9000	35.1	36.2	38.1	38.7	40.4	41.0	41.2	41.7	41.7	41.7
GE 8000	37.9	40.2	41.9	42.5	44.3	45.1	45.3	45.8	45.8	45.8
GE 7000	39.3	41.4	42.4	43.2	45.0	45.8	46.0	46.4	46.4	46.4
GE 6000	39.9	41.0	43.4	44.2	46.0	46.9	47.0	47.4	47.4	47.4
GE 5000	44.9	46.1	48.0	50.1	52.3	53.2	53.6	54.1	54.1	54.1
GE 4500	48.0	49.2	52.2	53.6	55.8	56.7	57.2	57.6	57.6	57.6
GE 4000	52.4	53.7	57.5	59.2	61.4	62.3	62.7	63.2	63.2	63.2
GE 3500	55.1	56.5	71.0	72.9	75.2	76.1	76.4	77.3	77.3	77.3
GE 3000	73.3	75.0	77.7	81.7	84.0	84.9	85.2	85.9	85.9	85.9
GE 2500	78.4	77.3	82.2	84.3	86.9	87.8	88.1	88.7	88.7	88.7
GE 2000	77.1	77.1	84.1	86.3	88.3	89.3	89.6	91.3	91.3	91.3
GE 1800	77.5	77.5	84.5	86.3	88.3	89.3	89.6	91.2	91.2	91.2
GE 1600	77.5	78.5	85.7	88.1	91.4	92.5	93.1	93.8	93.8	93.8
GE 1200	78.7	81.7	87.1	89.5	93.0	94.3	95.0	95.7	95.7	95.7
GE 1000	80.0	82.0	87.6	90.0	93.7	95.4	96.3	97.0	97.0	97.1
GE 900	80.1	82.1	87.7	90.2	94.0	95.8	96.7	97.3	97.3	97.4
GE 800	80.4	82.4	88.0	90.5	94.6	96.3	97.3	98.0	98.0	98.1
GE 700	80.4	82.4	88.0	90.5	94.7	96.5	97.7	98.3	98.3	98.4
GE 600	80.4	82.4	88.1	90.7	94.8	96.7	97.8	98.4	98.6	98.7
GE 500	80.4	82.4	88.1	90.7	94.8	96.7	97.8	98.5	98.7	98.8
GE 400	80.4	82.4	88.1	90.7	94.8	96.7	97.8	98.7	99.0	99.2
GE 300	80.4	82.4	88.1	90.7	94.8	96.7	97.8	98.8	99.1	99.3
GE 200	80.4	82.4	88.1	90.7	94.8	96.7	97.8	98.8	99.1	99.7
GE 100	80.4	82.4	88.1	90.7	94.8	96.7	97.8	98.8	99.1	99.7
GE 000	80.4	82.4	88.1	90.7	94.8	96.7	97.8	98.8	99.1	99.7

TOTAL NUMBER OF OBSERVATIONS 900

9 - 3 - 77

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
TC: - 0 MONTH: SEP HOURS: 12-14

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	23.2	23.4	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
33.5	33.9	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
33.7	34.0	34.2	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
33.7	34.0	34.2	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
33.9	34.2	34.4	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
34.9	35.2	35.4	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
39.9	39.4	39.7	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
41.4	41.9	41.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
44.3	45.1	45.3	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
45.9	45.3	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
45.9	46.3	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
53.3	53.2	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
56.7	56.7	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
66.4	67.3	67.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
75.2	75.1	75.4	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
[illegible]	84.9	85.2	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
88.9	87.4	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
89.3	90.3	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
89.3	90.3	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
91.4	92.5	93.1	93.8	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1
93.0	94.3	95.0	95.7	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0
93.7	95.4	96.3	97.0	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3
94.0	95.8	96.7	97.3	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7
94.5	96.3	97.3	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3
94.7	96.6	97.7	98.3	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7
94.8	96.7	97.8	98.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
94.8	96.7	97.8	98.5	98.8	99.1	99.3	99.3	99.4	99.4	99.4	99.4
94.8	96.7	97.8	98.7	98.9	99.2	99.4	99.4	99.6	99.6	99.6	99.6
94.8	96.7	97.8	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
94.8	96.7	97.8	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
94.8	96.7	97.8	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
94.8	96.7	97.8	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0

OPERATING LOCATION: WAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HAYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1[illegible]	[illegible]	[illegible]	50	40	32	24	20	16
NO CEIL	23.1	23.5	25.2	25.4	27.2	27.2	27.6	27.6	27.6	27.6
3[illegible] 20000	33.7	34.1	36.4	37.4	39.4	39.[illegible]	40.2	40.2	40.2	40.2
3[illegible] 15000	34.[illegible]	34.4	36.8	37.8	39.8	40.1	40.5	40.5	40.5	40.5
3[illegible] 10000	34.[illegible]	34.4	36.8	37.8	39.8	40.1	40.5	40.6	40.6	40.6
3[illegible] 7000	34.[illegible]	34.4	36.8	37.8	39.8	40.1	40.5	40.6	40.6	40.7
3[illegible] 5000	35.7	36.1	38.4	39.4	41.4	41.[illegible]	42.2	42.2	42.2	42.2
0[illegible] 3000	39.2	39.[illegible]	42.2	43.3	45.3	45.7	46.1	46.1	46.1	46.1
0[illegible] 2500	41.1	41.[illegible]	44.1	45.4	47.[illegible]	48.1	48.5	48.[illegible]	48.[illegible]	48.[illegible]
0[illegible] 2000	47.4	48.2	48.2	50.5	53.0	53.3	53.3	53.[illegible]	53.[illegible]	53.
0[illegible] 1500	48.1	48.[illegible]	50.1	51.4	53.3	54.2	54.7	54.7	54.7	54.7
0[illegible] 1000	47.[illegible]	47.[illegible]	51.4	52.[illegible]	55.2	55.[illegible]	56.[illegible]	56.[illegible]	56.[illegible]	56.[illegible]
0[illegible] 700	54.3	54.[illegible]	58.1	59.4	63.1	63.[illegible]	64.1	64.1	64.1	64.1
0[illegible] 500	57.[illegible]	57.[illegible]	61.9	63.3	68.1	69.[illegible]	71.1	73.1	73.1	73.1
0[illegible] 400	57.7	57.[illegible]	74.1	75.[illegible]	77.[illegible]	77.3	77.[illegible]	77.9	77.[illegible]	77.[illegible]
0[illegible] 300	72.1	74.4	77.0	78.3	81.[illegible]	84.3	84.[illegible]	84.[illegible]	84.[illegible]	84.[illegible]
0[illegible] 200	75.[illegible]	77.[illegible]	81.	82.[illegible]	87.[illegible]	89.4	90.0	90.[illegible]	90.[illegible]	90.[illegible]
0[illegible] 150	75.[illegible]	77.[illegible]	84.7	87.[illegible]	90.2	91.0	91.5	91.[illegible]	91.[illegible]	91.[illegible]
0[illegible] 100	77.1	79.[illegible]	86.1	88.[illegible]	91.[illegible]	92.4	93.[illegible]	93.6	93.[illegible]	93.[illegible]
0[illegible] 70	78.3	80.[illegible]	86.3	88.[illegible]	92.1	93.2	93.[illegible]	93.9	93.[illegible]	93.[illegible]
0[illegible] 50	78.[illegible]	80.[illegible]	87.2	89.[illegible]	93.4	94.7	95.[illegible]	95.6	95.[illegible]	95.[illegible]
0[illegible] 30	79.4	81.2	87.9	90.[illegible]	94.3	95.9	97.2	97.2	97.2	97.[illegible]
0[illegible] 20	79.[illegible]	81.[illegible]	88.0	90.7	94.[illegible]	96.3	97.7	97.7	97.7	97.[illegible]
0[illegible] 15	79.[illegible]	81.[illegible]	88.0	90.7	94.[illegible]	96.3	97.7	97.7	97.7	97.
0[illegible] 10	79.[illegible]	81.[illegible]	88.1	90.9	94.[illegible]	96.7	98.2	98.2	98.2	98.[illegible]
0[illegible] 7	79.[illegible]	81.[illegible]	88.1	90.9	95.2	97.1	98.7	98.7	98.7	98.[illegible]
0[illegible] 5	79.[illegible]	81.[illegible]	88.1	90.9	95.2	97.1	98.7	98.7	98.7	98.[illegible]
0[illegible] 4	79.[illegible]	81.[illegible]	88.1	90.9	95.2	97.1	98.7	98.7	98.7	98.[illegible]
0[illegible] 3	79.[illegible]	81.[illegible]	88.1	90.9	95.2	97.1	98.7	98.7	98.7	98.[illegible]
0[illegible] 2	79.[illegible]	81.[illegible]	88.1	90.9	95.2	97.1	98.7	98.7	98.7	98.[illegible]
0[illegible] 1	79.[illegible]	81.[illegible]	88.1	90.9	95.2	97.1	98.7	98.7	98.7	98.[illegible]
0[illegible] 0	79.[illegible]	81.[illegible]	88.1	90.9	95.2	97.1	98.7	98.7	98.7	98.[illegible]

TOTAL NUMBER OF OBSERVATIONS 960

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: JOSER HEYFORD RAF UK
IC: - 0

PERIOD OF RECORD: JUL 74 - JUN 85
MONTH: SEP HOURS: 15-17

VISIBILITY IN METERS											
GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
27.2	27.2	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
39.4	39.4	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
39.4	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
39.4	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
39.4	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
41.4	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
46.3	46.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
47.5	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
53.0	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
53.9	54.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
55.2	55.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
63.1	63.5	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3
69.1	69.5	70.1	70.1	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3
77.0	79.3	79.9	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1
83.1	84.3	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
89.9	89.4	90.0	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2
90.2	91.0	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8
91.9	92.4	93.6	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8
92.1	93.2	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1
93.4	94.7	95.6	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8
94.3	95.9	97.2	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5
94.6	96.3	97.7	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
94.6	96.3	97.7	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
94.8	96.7	98.2	98.2	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6
95.2	97.1	98.7	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
95.2	97.1	98.7	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
95.2	97.1	98.7	98.8	98.8	98.9	99.1	99.4	99.4	99.4	99.6	99.6
95.2	97.1	98.8	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.8	99.9
95.2	97.1	98.8	98.9	99.0	99.1	99.3	99.7	99.7	99.8	99.9	100.0
95.2	97.1	98.8	98.9	99.0	99.1	99.3	99.7	99.7	99.8	99.9	100.0
95.2	97.1	98.8	98.9	99.0	99.1	99.3	99.7	99.7	99.8	99.9	100.0

OPERATING LOCATION: WAH
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

PERIOD
MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	1/2	1	2	3	5	8	9	4	7	10
	111	99	99	69	49	43	32	24	20	16
ALL CEIL	33.0	37.2	38.7	39.3	37.2	43.1	34.7	34.4	33.9	34.3
22000	34.3	34.1	44.3	43.4	43.7	47.1	41.1	41.0	41.3	41.1
18000	34.4	34.3	44.1	43.7	46.3	48.3	43.1	43.1	43.2	43.1
15000	34.4	34.4	44.3	43.7	46.4	48.3	43.1	43.1	43.2	43.1
14000	37.2	38.1	46.2	46.1	47.3	49.4	43.4	43.4	43.7	43.7
12000	41.3	41.5	47.3	47.1	49.1	50.3	51.2	51.3	51.4	51.4
10000	44.7	44.2	50.3	51.7	53.3	54.4	55.4	55.5	55.7	55.7
9000	45.1	45.1	51.3	52.7	54.1	55.3	56.2	57.3	57.1	57.1
8000	45.1	45.4	51.4	52.7	54.4	55.5	56.7	57.5	57.5	57.5
7000	51.2	51.2	57.3	58.1	61.3	62.1	63.2	63.4	63.5	63.7
6000	52.3	52.7	58.7	59.3	61.1	63.2	64.3	64.5	64.7	64.7
5000	56.1	56.1	63.3	64.1	66.5	67.3	68.3	68.4	68.4	68.4
4500	57.3	57.3	64.3	65.7	67.1	68.1	69.4	69.7	69.8	69.7
4000	58.1	58.1	65.3	66.7	68.3	69.7	71.4	71.7	71.8	71.8
3500	60.3	60.3	67.3	68.7	70.2	71.8	73.3	73.6	73.7	73.8
3000	61.7	61.7	68.7	70.1	71.7	73.4	75.1	75.4	75.5	75.6
2500	71.3	71.3	80.3	82.4	86.3	87.4	89.3	89.6	89.7	89.8
2200	71.8	72.0	81.2	83.4	87.3	88.3	90.3	90.6	90.7	91.0
2000	71.8	72.4	81.7	83.4	87.3	88.5	90.6	91.2	91.3	91.4
1800	72.1	72.6	82.2	84.2	88.0	89.3	91.0	91.6	91.8	92.0
1500	72.2	72.4	83.2	85.	89.3	91.0	93.2	93.	94.1	94.3
1400	72.3	73.1	84.1	86.1	90.5	92.1	94.2	94.9	95.2	95.4
1300	72.7	73.3	84.2	86.3	90.7	92.2	94.4	95.1	95.4	95.
1200	72.8	73.4	84.7	87.0	91.3	92.4	95.2	95.9	96.2	96.4
1100	73.1	73.7	85.1	88.0	91.6	93.3	96.1	96.7	97.1	97.4
1000	73.3	73.7	85.2	88.1	92.2	94.0	96.7	97.5	97.9	98.1
900	73.3	73.7	85.2	88.2	92.4	94.3	97.1	98.1	98.4	98.7
800	73.3	73.7	85.2	88.2	92.4	94.3	97.1	98.1	98.4	98.7
700	73.3	73.7	85.2	88.2	92.5	94.4	97.2	98.2	98.5	98.8
600	73.3	73.7	85.2	88.2	92.6	94.4	97.2	98.2	98.5	98.8
100	73.3	73.7	85.2	88.2	92.6	94.4	97.2	98.2	98.5	98.8
0	73.3	73.7	85.2	88.2	92.6	94.4	97.2	98.2	98.5	98.8

TOTAL NUMBER OF OBSERVATIONS 905

...CE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...EYFORD RAF UK PERIOD OF RECORD: JUL 76 - JUN 84
MONTH: SEP HOURS: 13-20

...ILITY IN METERS										
	GF	GF	GF	GF	GF	GE	GF	GE	GE	GF
	40	30	24	20	16	12	10	08	06	04	00
	...1	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
	...1	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
	...3	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
	...3	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
	...4	47.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
	...2	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
	...4	55.4	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
	...4	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
	...0	61.7	61.9	62.0	62.1	62.1	62.1	62.1	62.2	62.2	62.2
	...1	63.2	63.4	63.6	63.7	63.7	63.7	63.7	63.8	63.8	63.8
	...2	64.3	64.5	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9
	...2	69.3	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
	...1	74.4	74.7	74.8	74.9	74.9	74.9	74.9	75.0	75.0	75.0
	...7	81.4	81.7	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.0
	...5	85.3	85.5	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9
	...2	87.3	87.5	87.7	87.8	88.0	88.0	88.0	88.7	88.7	88.7
	...4	89.3	89.5	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0
	...3	91.3	91.5	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9
	...3	91.3	91.5	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9
	...3	93.3	93.5	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9
	...2	94.2	94.4	94.5	94.6	94.6	94.6	94.6	94.7	94.7	94.7
	...1	94.3	94.5	95.2	95.4	95.7	95.7	95.7	95.8	95.8	95.8
	...2	94.4	95.1	95.4	95.5	95.9	95.9	96.0	96.1	96.1	96.1
	...4	94.7	95.0	95.2	95.5	96.9	96.4	96.8	96.9	96.9	96.9
	...3	96.1	96.7	97.0	97.3	97.7	97.7	97.7	97.8	97.8	97.8
	...3	96.7	97.6	97.9	98.2	98.5	98.5	98.6	98.7	98.7	98.7
	...3	97.1	98.1	98.4	99.0	99.2	99.2	99.2	99.3	99.3	99.3
	...3	97.1	98.1	98.4	99.0	99.3	99.4	99.4	99.5	99.5	99.5
	...4	97.2	98.2	98.5	99.1	99.4	99.7	99.7	99.8	99.8	100.0
	...4	97.2	98.2	98.6	99.1	99.4	99.7	99.7	99.8	99.8	100.0
	...4	97.2	98.2	98.6	99.1	99.4	99.7	99.7	99.8	99.8	100.0
	...4	97.2	98.2	98.6	99.1	99.4	99.7	99.7	99.8	99.8	100.0

OPERATING LOCATION "A" · USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CL[illegible] · [illegible] HOURLY OBSERVATIONS

STATION NUMBER: [illegible] · STATION NAME: UPPER HEYFORD RAF UK · [illegible]

LST TO UTC: - 0 · [illegible]

CEILING IN FEET · VISIBILITY IN METERS

CEILING IN FEET	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	37.2	37.2	43.1	44.0	45.1	45.6	46.7	[illegible]	[illegible]	[illegible]
[illegible]	41.[illegible]	42.4	[illegible]	49.2	50.7	51.1	52.4	52.7	52.7	[illegible]
[illegible] 1[illegible]	41.[illegible]	42.4	[illegible]	49.2	50.7	51.1	52.4	52.7	[illegible]	[illegible]
[illegible] 1[illegible]	41.[illegible]	42.4	[illegible]	49.2	50.7	51.1	52.4	52.7	52.7	52.7
[illegible] 1[illegible]	41.[illegible]	[illegible]	[illegible]	[illegible]	50.7	51.1	52.4	52.7	52.7	52.7
[illegible] 12000	[illegible]	[illegible]	47.9	50.[illegible]	52.3	[illegible]	54.1	56.3	[illegible]	[illegible]
[illegible] 1[illegible]	48.[illegible]	[illegible]	52.[illegible]	53.7	58.1	58.6	[illegible]	57.2	57.2	[illegible]
[illegible]	[illegible]	53.7	[illegible]	[illegible]	55.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.2	61.[illegible]	62.1	62.1	62.1
[illegible] 7[illegible]	[illegible]	[illegible]	[illegible]	52.0	61.7	62.1	[illegible]	64.1	64.1	64.1
[illegible]	[illegible]	[illegible]	[illegible]	51.1	[illegible]	53.2	54.[illegible]	[illegible]	65.	[illegible]
[illegible]	[illegible]	57.[illegible]	[illegible]	66.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	61.3	[illegible]	71.2	73.1	73.[illegible]	75.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	71.6	75.9	76.[illegible]	77.1	[illegible]	78.3	[illegible]	[illegible]
[illegible] 3[illegible]	64.7	[illegible]	[illegible]	76.3	77.4	[illegible]	81.[illegible]	82.1	82.1	82.1
[illegible]	[illegible]	67.[illegible]	[illegible]	[illegible]	[illegible]	82.3	84.7	[illegible]	[illegible]	[illegible]
[illegible]	67.[illegible]	[illegible]	77.1	[illegible]	82.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	81.1	82.4	84.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 1[illegible]	[illegible]	[illegible]	[illegible]	81.4	83.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	71.1	[illegible]	[illegible]	[illegible]	87.[illegible]	[illegible]	91.[illegible]	[illegible]	[illegible]
[illegible] 1200	[illegible]	71.1	81.1	[illegible]	87.1	[illegible]	91.[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 1[illegible]	[illegible]	71.7	[illegible]	85.2	88.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	70.7	[illegible]	82.3	[illegible]	88.7	90.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	71.[illegible]	72.1	[illegible]	86.7	[illegible]	91.[illegible]	94.[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 7[illegible]	71.[illegible]	72.7	83.[illegible]	87.4	90.6	92.2	[illegible]	[illegible]	[illegible]	97.
[illegible]	71.[illegible]	72.7	83.[illegible]	87.4	90.6	92.2	[illegible]	97.[illegible]	[illegible]	97.[illegible]
[illegible]	71.[illegible]	72.7	83.[illegible]	87.9	91.3	93.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	71.[illegible]	72.7	83.9	87.9	91.4	93.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	71.6	72.7	83.9	87.9	91.6	93.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	71.	72.7	83.9	87.9	91.6	93.3	95.9	[illegible]	[illegible]	[illegible]
[illegible] 100	71.[illegible]	72.7	83.9	87.9	91.6	93.3	95.9	[illegible]	[illegible]	[illegible]
[illegible]	71.6	72.7	83.9	87.9	91.6	93.3	95.9	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] HOURLY OBSERVATIONS

[illegible]-APR [illegible] PERIOD OF RECORD: JUL 74 - JUN 88
MONTH: SEP HOURS: 21-23

CEILING IN HUNDREDS OF FEET

7 or more	6	5	4	3½	3	2½	2	1½	1	½ or less
46	47	46	46	15	12	10	09	06	04	00
46.4	47.7	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0
51.1	52.4	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
51.1	52.4	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
51.1	52.4	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
51.1	52.4	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
53.3	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4
56.6	56.9	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3
52.6	53.4	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9
61.2	61.9	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2
64.1	64.4	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2
65.2	65.4	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3
70.4	70.2	70.5	70.5	70.5	70.7	70.7	70.7	70.7	70.7	70.7
75.3	75.7	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1
77.1	78.5	78.3	78.3	78.3	79.4	79.4	79.4	79.4	79.4	79.4
72.7	81.3	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2
44.4	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
86.3	86.2	86.4	86.4	86.4	86.9	86.9	86.9	86.9	86.9	86.9
84.4	87.4	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4
86.2	87.3	88.5	88.5	88.7	88.9	88.9	88.9	88.9	88.9	88.9
87.3	90.3	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4
86.2	91.3	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4
90.4	92.3	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
90.3	92.4	93.2	93.2	93.3	94.0	94.0	94.0	94.0	94.0	94.0
91.2	94.3	95.4	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8
92.2	95.4	96.7	96.7	97.1	97.1	97.2	97.2	97.2	97.2	97.2
92.2	95.4	97.0	97.0	97.3	97.4	97.5	97.6	97.6	97.6	97.6
98.0	98.2	98.9	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8
98.2	99.3	99.6	99.7	99.8	99.2	99.3	99.3	99.3	99.3	99.3
98.3	99.4	99.5	99.3	99.2	99.4	99.5	99.3	99.3	99.3	99.3
98.3	99.3	99.5	99.3	99.3	99.5	100.0	100.0	100.0	100.0	100.0
98.3	99.3	99.5	99.3	99.3	99.5	100.0	100.0	100.0	100.0	100.0
98.3	99.3	99.5	99.3	99.3	99.5	100.0	100.0	100.0	100.0	100.0

OPERATIONS LOCATION MAP
MCAF Tac, Asheville NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53693 STATION NAME: UPPER HEYFORD RAF UK PERIOD: F
LST TO UTC: - 0 MONTHS: SE

CEILING IN FEET	VISIBILITY IN METRES									
	10	9	8	7	6	5	4	3	2	1
	1852	1667	1482	1297	1112	926	741	556	371	185
NO CEIL	37.1	37.4	31.2	32.1	34.0	34.3	34.9	35.5	35.9	36.3
30000	39.1	39.9	39.2	39.4	41.5	41.9	42.7	43.5	44.7	44.9
25000	39.1	39.1	39.4	39.5	41.7	42.1	42.9	43.6	43.9	44.3
20000	39.1	39.1	39.4	39.5	41.7	42.1	42.9	43.6	43.9	44.2
15000	39.1	39.3	39.5	39.7	41.8	42.3	43.1	43.9	44.7	44.9
12000	39.1	39.3	39.5	41.3	44.1	43.5	44.3	45.1	45.9	46.1
10000	42.7	43.3	43.3	44.1	45.5	47.0	47.5	48.3	48.9	49.1
9000	43.1	43.9	44.0	45.1	47.2	48.4	49.3	50.0	50.9	51.2
8000	43.1	44.1	44.3	46.5	52.1	52.7	53.5	54.4	54.7	55.1
7000	43.2	44.3	46.3	50.5	53.2	53.9	54.7	55.5	55.7	56.1
6000	44.2	46.7	47.1	51.5	54.2	54.9	55.8	56.7	56.9	57.3
5000	47.3	49.2	54.7	59.5	63.5	64.2	65.1	65.9	66.4	66.8
4500	48.5	51.9	57.5	62.7	68.3	69.5	70.4	71.3	71.8	72.3
4000	49.2	52.1	58.2	63.1	69.1	70.4	71.7	72.6	73.1	73.5
3500	49.2	52.2	58.4	63.4	69.4	70.7	72.0	72.9	73.4	73.8
3000	52.7	56.7	71.1	77.5	77.3	78.4	79.6	80.4	81.0	81.4
2500	53.5	57.5	72.5	78.2	78.3	79.1	81.5	82.7	83.1	83.5
2000	54.0	58.0	74.3	79.7	80.0	81.5	83.4	84.7	85.1	85.5
1500	54.1	58.1	74.3	79.8	81.0	82.2	84.1	85.1	85.5	85.9
1000	54.1	58.2	74.7	79.5	82.3	84.1	85.7	87.1	87.5	87.9
900	54.1	58.2	76.2	79.8	84.2	85.7	87.4	88.8	89.3	89.7
800	57.4	61.5	77.5	80.4	85.3	86.9	88.4	89.7	90.7	91.1
700	57.5	61.7	77.9	81.0	85.9	87.4	89.3	90.7	91.2	91.7
600	57.5	62.1	78.5	81.9	86.5	88.5	90.5	92.1	92.5	93.2
500	57.8	62.6	79.1	82.5	87.6	89.8	91.5	93.2	93.7	94.3
400	58.4	63.5	79.3	82.7	87.9	89.7	92.0	93.8	94.4	95.1
300	58.5	63.5	79.5	83.0	88.4	90.3	92.7	94.7	95.4	96.1
200	58.5	63.5	79.5	83.1	88.7	90.6	93.1	95.3	96.0	96.8
100	58.5	63.5	79.5	83.1	88.9	90.8	93.3	95.5	96.4	97.3
000	58.5	63.5	79.5	83.2	88.9	90.8	93.3	95.5	96.4	97.4
000	58.5	63.5	79.5	83.2	88.9	90.8	93.3	95.5	96.5	97.4

TOTAL NUMBER OF OBSERVATIONS 7200

L FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WRIGHT-PATT AFB OH PERIOD OF RECORD: JUL 75 - JUN 88
MONTH: SEP HOURS: ALL

ILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 05	GE 04	GE 00
.3	34.9	35.5	35.8	36.0	36.2	36.3	36.3	36.4	36.5	36.8
.4	43.7	43.9	43.7	44.0	44.1	44.3	44.4	44.5	44.6	44.8
.1	43.9	43.6	43.9	44.2	44.3	44.5	44.5	44.6	44.8	45.0
.1	43.9	43.6	43.9	44.2	44.3	44.5	44.5	44.6	44.8	45.0
.3	44.1	44.3	44.0	44.3	44.5	44.7	44.7	44.8	45.0	45.2
.3	44.3	45.1	45.3	45.5	45.7	45.9	46.0	46.1	46.2	46.4
.3	47.5	48.5	48.8	49.1	49.3	49.5	49.5	49.7	49.8	50.1
.4	49.3	50.0	50.3	50.5	50.8	51.0	51.0	51.1	51.3	51.5
.7	53.5	54.4	54.7	55.0	55.2	55.4	55.4	55.6	55.7	55.9
.1	54.7	55.5	55.7	56.1	56.3	56.4	56.5	56.6	56.8	57.0
.1	55.4	56.7	56.9	57.2	57.4	57.5	57.6	57.8	57.9	58.2
.2	61.9	62.2	62.4	62.8	63.0	63.2	63.3	63.4	63.6	63.8
.3	65.3	65.7	65.9	66.3	66.5	66.7	66.8	66.9	66.2	66.4
.4	71.7	72.2	73.1	73.5	73.8	74.0	74.2	74.2	74.3	74.5
.3	75.5	76.7	77.1	77.4	77.7	77.9	78.0	78.1	78.3	78.5
.4	79.5	80.9	81.3	81.7	81.9	82.2	82.2	82.4	82.5	82.8
.1	81.5	82.7	83.1	83.5	83.8	84.0	84.1	84.2	84.4	84.6
.2	85.4	86.7	87.1	87.5	87.5	86.1	86.1	86.3	86.4	86.7
.2	86.5	87.1	87.5	87.9	88.2	88.5	88.5	88.7	88.8	89.1
.1	86.7	87.1	87.5	87.9	88.3	88.5	88.6	88.7	88.9	89.1
.2	87.4	88.8	89.3	89.8	90.1	90.4	90.4	90.6	90.7	91.0
.2	89.5	90.2	90.7	91.2	91.5	91.8	91.9	92.0	92.2	92.4
.3	91.2	91.7	91.2	91.7	92.1	92.3	92.4	92.5	92.7	92.9
.2	93.5	93.1	93.6	93.2	93.5	93.6	93.8	94.0	94.1	94.4
.3	94.5	93.2	93.7	94.3	94.7	94.9	94.9	95.1	95.3	95.5
.7	92.0	93.8	94.4	95.0	95.4	95.7	95.7	95.9	96.1	96.3
.2	92.7	94.7	95.4	95.1	96.6	96.2	96.9	97.1	97.3	97.5
.3	93.1	95.3	96.0	96.4	97.3	97.6	97.8	98.0	98.2	98.4
.2	93.3	95.5	96.4	97.3	97.8	98.2	98.4	98.7	99.0	99.3
.2	93.3	95.5	96.5	97.4	98.0	98.5	98.6	99.0	99.3	99.7
.2	93.3	95.6	96.5	97.4	98.1	98.5	98.7	99.1	99.5	100.0
.2	93.3	95.6	96.5	97.4	98.1	98.5	98.7	99.1	99.5	100.0

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER [illegible] PERIOD OF [illegible]
LST TO UTC: + 0 MONTH: OCT

CEILING IN FEET	VISIBILITY IN METERS										
	11[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	112	[illegible]	[illegible]	[illegible]	48	40	32	24	[illegible]	1[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
000	58.1	[illegible]	73.1	76.9	85.3	89.6	91.1	94.3	95.6	95.6	97

TOTAL [illegible] OF OBSERVATIONS 930

...TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...HEYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: OCT HOURS: 00-02

CEILING IN HUNDREDS OF FEET / VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
41.0	42.0	43.0	43.3	43.5	44.0	44.1	44.1	44.2	44.3	44.3
44.2	44.7	45.7	46.0	46.2	46.8	46.9	46.9	47.0	47.1	47.1
44.2	44.7	45.7	46.0	46.2	46.8	46.9	46.9	47.0	47.1	47.1
44.2	44.7	45.7	46.0	46.2	46.8	46.9	46.9	47.0	47.1	47.1
44.3	44.8	45.8	46.1	46.3	46.9	47.0	47.0	47.1	47.2	47.2
45.2	45.7	46.7	47.0	47.2	47.7	47.8	47.8	48.0	48.1	48.1
49.4	49.9	51.0	51.3	51.5	52.0	52.2	52.2	52.3	52.4	52.4
50.0	50.5	51.6	51.9	52.2	52.7	52.9	52.9	52.9	53.0	53.0
54.2	54.7	55.9	56.3	56.6	57.1	57.2	57.2	57.3	57.4	57.4
55.3	55.8	57.0	57.4	57.5	58.2	58.3	58.3	58.4	58.5	58.5
58.5	57.1	58.3	58.7	58.9	59.5	59.5	59.5	59.7	59.8	59.8
59.1	59.7	60.9	61.3	61.5	62.0	62.2	62.2	62.3	62.4	62.4
64.0	64.5	65.7	66.1	66.3	66.9	67.0	67.0	67.1	67.2	67.2
67.3	67.8	69.4	70.0	70.2	70.8	70.9	70.9	71.0	71.1	71.1
69.1	69.7	71.2	71.7	72.0	72.6	72.7	72.7	72.8	72.9	72.9
71.8	72.4	74.2	74.8	75.1	75.6	75.7	75.7	75.8	75.9	75.9
76.7	76.8	76.9	77.1	77.3	77.5	78.0	78.0	78.1	78.2	78.2
78.1	77.0	79.1	79.9	80.2	80.8	80.9	80.9	81.0	81.1	81.1
78.9	77.4	79.5	80.2	80.5	81.3	81.4	81.4	81.5	81.6	81.6
78.3	79.1	81.3	82.0	82.6	83.1	83.2	83.2	83.3	83.4	83.4
79.9	80.4	82.6	83.3	83.9	84.4	84.5	84.5	84.6	84.7	84.7
82.0	83.1	85.3	86.1	86.8	87.3	87.4	87.4	87.6	87.7	87.7
83.4	84.5	87.0	87.8	88.5	89.0	89.1	89.1	89.4	89.5	89.5
87.2	88.7	91.0	91.0	90.6	91.5	91.6	91.6	91.8	91.9	91.9
88.5	87.1	89.5	90.5	91.2	92.0	92.2	92.2	92.4	92.5	92.5
89.2	87.3	90.3	91.4	92.0	92.9	93.0	93.0	93.2	93.3	93.3
87.7	89.3	92.5	93.8	94.4	95.4	95.6	95.6	95.8	95.9	95.9
88.5	90.3	93.9	95.1	95.8	96.9	97.1	97.1	97.3	97.4	97.4
88.5	91.0	94.2	95.5	96.2	97.3	97.6	97.6	98.1	98.3	98.3
88.6	91.1	94.3	95.6	96.5	97.5	97.8	98.3	98.7	98.9	99.2
88.6	91.1	94.3	95.6	96.5	97.5	97.8	98.4	98.8	99.1	99.6
88.6	91.1	94.3	95.6	96.5	97.5	97.8	98.4	98.8	99.1	100.0

OPERATING LOCATION "AA"
USAASTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	11				45	40	32	24		16
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 20000	27.4	27.4	34.5	35.7	38.2	39.0	41.4	41.1	42.0	42.7
GE 18000	27.4	27.4	34.5	35.7	38.2	39.0	41.4	41.1	42.0	42.7
GE 16000	27.4	27.4	34.5	35.7	38.2	39.0	41.4	41.1	42.0	42.7
GE 14000	27.4	27.4	34.5	35.7	38.2	39.0	39.4	41.1	42.0	42.7
GE 12000	27.4	27.4	34.5	35.7	38.2	39.0	39.4	41.1	42.0	42.7
GE 10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 500	51.7	52.6	66.1	69.2	77.3	79.4	82.2	86.3	[illegible]	[illegible]
GE 400	51.7	52.6	66.2	69.5	78.1	80.1	82.9	87.7	89.9	[illegible]
GE 300	51.7	52.6	66.2	69.5	78.4	80.4	83.2	88.4	89.7	91.1
GE 200	51.7	52.6	66.2	69.5	78.4	80.4	83.2	88.5	90.1	91.6
GE 100	51.7	52.6	66.2	69.5	78.4	80.4	83.3	88.5	90.3	92.0
GE 000	51.7	52.6	66.2	69.5	78.4	80.4	83.3	88.4	90.3	92.0

TOTAL NUMBER OF OBSERVATIONS 930

STAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HAYDON RAF UK PERIOD OF RECORD: JUL 79 - JUN 86
MONTH: OCT HOURS: 03-05

CEILING IN HUNDREDS OF FEET / VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
36.5	36.9	38.4	39.4	40.0	40.2	40.3	40.4	40.9	41.4	42.0
39.0	39.4	41.1	42.0	42.7	43.0	43.1	43.3	43.8	44.3	44.9
39.0	39.4	41.1	42.0	42.7	43.0	43.1	43.3	43.8	44.3	44.9
39.0	39.4	41.1	42.0	42.7	43.0	43.1	43.3	43.8	44.3	44.9
39.0	39.4	41.1	42.0	42.7	43.0	43.1	43.3	43.8	44.3	44.9
39.4	39.7	41.4	42.4	43.0	43.3	43.4	43.7	44.1	44.6	45.3
43.2	43.6	45.5	46.5	47.1	47.4	47.5	47.7	48.4	48.9	49.6
43.8	44.1	46.0	47.0	47.6	48.0	48.1	48.3	48.9	49.5	50.1
45.2	46.1	48.0	49.2	50.4	50.8	50.9	51.1	51.7	52.3	52.9
47.0	47.5	49.6	50.6	51.2	51.5	51.6	51.8	52.5	53.0	53.7
48.0	49.2	51.5	52.6	53.1	53.4	53.5	53.8	54.4	54.9	55.6
51.3	52.5	54.9	56.0	56.5	56.8	56.9	57.1	57.7	58.3	58.9
54.7	56.4	58.6	59.6	59.2	59.7	59.8	60.0	60.6	61.2	61.8
57.6	58.4	61.1	62.0	62.5	63.6	63.7	63.9	64.5	65.1	65.7
61.2	62.0	64.8	65.9	66.5	66.3	66.4	66.6	66.2	66.8	67.4
64.6	65.5	68.6	69.6	67.3	68.1	68.2	68.4	69.0	69.6	70.2
67.7	69.6	67.5	68.6	69.4	70.2	70.4	70.6	71.3	71.8	72.5
68.3	67.6	71.0	72.2	73.0	73.9	74.1	74.3	74.9	75.5	76.1
68.7	69.0	71.3	72.5	73.3	74.2	74.4	74.6	75.3	75.8	76.5
69.2	70.5	74.2	75.4	76.2	77.2	77.4	77.6	78.3	78.9	79.5
72.3	72.4	76.1	77.3	78.2	79.1	79.4	79.6	80.2	80.8	81.4
73.0	74.8	75.6	79.8	80.6	81.7	81.9	82.2	82.8	83.3	84.0
74.2	76.1	80.1	81.3	82.2	83.2	83.4	83.7	84.3	84.9	85.5
75.6	77.5	81.7	82.9	84.0	85.2	85.4	85.6	86.3	86.9	87.5
76.3	78.4	82.9	84.1	85.3	86.5	86.7	86.9	87.6	88.2	88.8
77.3	79.7	84.2	85.4	86.6	87.7	88.0	88.2	88.9	89.5	90.3
79.4	82.2	86.8	88.0	89.1	90.5	90.8	91.0	91.7	92.3	93.1
80.1	82.9	87.7	89.0	90.2	91.6	91.9	92.2	93.0	93.7	94.7
82.4	85.2	89.4	90.7	92.1	92.8	93.1	93.3	94.2	94.8	96.1
83.4	86.2	90.6	92.1	91.6	93.3	93.7	93.9	94.8	95.8	97.4
83.4	86.3	90.8	92.3	92.0	93.8	94.2	94.5	95.6	97.0	99.1
83.4	86.3	90.8	92.3	92.0	93.8	94.2	94.5	95.6	97.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 33553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	22	30	60	80	90	60	32	24	20	16
	1120	800	600	400	300	200	160	120	80	50
NO CEIL	1[illegible]	[illegible]	21.3	22.9	25.9	27.0	27.0	27.1	27.3	27.4
22000	23.5	23.7	27.5	28.6	32.4	33.4	34.1	34.5	34.7	35.2
18000	23.5	23.7	27.5	28.6	32.4	33.4	34.1	34.5	34.7	35.2
16000	23.5	23.7	27.5	28.6	32.4	33.4	34.1	34.5	34.7	35.2
14000	23.7	24.0	27.6	28.7	32.5	33.5	34.2	34.6	34.8	35.3
12000	23.7	23.9	27.5	28.9	32.6	33.7	34.5	34.9	35.2	35.8
10000	24.3	24.5	30.2	31.3	35.3	36.6	37.3	37.8	38.1	38.8
9000	24.3	24.5	31.1	32.3	36.1	37.4	38.2	38.7	39.0	39.6
8000	24.5	24.7	34.0	36.0	40.1	41.4	42.3	43.0	43.4	44.1
7000	24.5	24.7	34.5	36.2	40.3	41.5	42.5	43.2	43.7	44.3
6000	24.1	24.4	35.2	36.5	40.6	41.9	42.9	43.7	44.1	44.7
5000	31.4	31.6	38.3	39.7	44.0	45.4	46.2	47.1	47.5	48.2
4500	33.4	33.7	40.5	42.4	47.4	48.9	49.8	50.7	51.4	52.2
4000	35.3	35.7	42.9	45.2	50.5	52.2	53.1	54.3	55.1	56.2
3500	36.1	36.3	43.7	46.0	51.5	53.3	54.3	55.6	56.3	57.5
3000	37.2	37.5	45.5	48.2	54.3	56.3	57.3	58.4	59.2	60.4
2500	38.5	38.8	47.2	49.9	56.3	57.8	58.9	60.5	61.4	62.6
2000	40.9	41.2	49.0	52.2	58.9	60.6	62.2	63.8	64.9	66.3
1800	41.1	41.4	49.2	52.5	59.2	61.0	62.5	64.1	65.3	66.6
1500	41.3	41.8	50.3	53.7	60.5	62.4	63.9	65.5	66.7	68.2
1200	42.2	42.5	52.4	55.9	63.2	65.1	66.7	68.4	69.7	71.3
1000	43.3	43.6	53.9	57.7	65.7	67.7	69.5	71.4	72.8	74.5
900	43.7	44.1	54.4	58.3	66.3	68.4	70.3	72.2	73.6	75.1
800	44.3	44.7	55.0	59.0	67.4	70.0	72.0	74.0	75.4	77.0
700	44.3	44.7	55.3	60.2	68.9	71.1	73.2	75.3	76.8	78.5
600	44.3	44.7	55.3	60.3	69.6	71.3	74.1	76.3	77.9	79.7
500	45.4	45.9	57.5	61.9	71.3	74.2	76.4	78.5	80.3	82.4
400	45.4	45.9	57.5	62.0	72.4	74.9	77.5	80.2	82.4	84.6
300	45.4	45.9	57.5	62.0	72.5	74.9	78.0	81.3	83.9	86.3
200	45.4	45.9	57.5	62.0	72.6	75.1	78.1	81.5	84.1	86.7
100	45.4	45.9	57.6	62.0	72.6	75.1	78.1	81.5	84.2	86.8
000	45.4	45.9	57.6	62.0	72.6	75.1	78.1	81.5	84.2	86.8

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 79 - JUN 84
- 0 — MONTH: OCT HOURS: 06-09

CEILING IN FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	27.0	27.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.6	30.0	31.6
[illegible]	33.4	34.1	34.5	34.7	35.2	35.6	35.7	35.7	36.3	37.5	39.1
[illegible]	33.4	34.1	34.5	34.7	35.2	35.6	35.7	35.7	36.3	37.5	39.1
[illegible]	33.4	34.1	34.5	34.7	35.2	35.6	35.7	35.7	36.3	37.5	39.1
[illegible]	33.5	34.2	34.6	34.8	35.3	35.7	35.8	35.8	36.5	37.6	39.2
[illegible]	33.9	34.5	34.9	35.2	35.8	36.0	36.1	36.1	36.8	38.0	39.6
[illegible]	36.6	37.3	37.8	38.1	38.5	38.9	39.0	39.0	39.7	40.9	42.5
[illegible]	37.4	38.2	38.7	38.9	39.4	39.8	39.9	39.9	40.5	41.7	43.4
[illegible]	41.4	42.3	43.0	43.4	44.0	44.4	44.5	44.6	45.3	46.5	48.2
[illegible]	41.6	42.5	43.2	43.7	44.3	44.7	44.8	44.9	45.6	46.9	48.5
[illegible]	41.9	42.8	43.7	44.1	44.7	45.2	45.3	45.4	46.1	47.3	49.0
[illegible]	45.4	46.2	47.1	47.5	48.2	48.6	48.7	48.8	49.6	50.8	52.5
[illegible]	48.9	49.8	50.9	51.4	52.2	52.6	52.7	53.0	53.8	55.1	56.8
[illegible]	52.2	53.1	54.3	55.1	56.2	56.7	56.8	57.2	58.0	59.2	61.0
[illegible]	53.3	54.3	55.5	56.3	57.5	58.0	58.1	58.5	59.2	60.5	62.3
[illegible]	55.3	56.3	57.4	58.2	59.4	61.0	61.1	61.5	62.3	63.5	65.5
[illegible]	57.8	59.0	60.5	61.4	62.9	63.4	63.5	64.0	64.7	66.0	68.0
[illegible]	60.6	62.2	63.8	64.9	66.5	67.1	67.2	67.6	68.4	69.7	71.6
[illegible]	61.0	62.6	64.1	65.3	66.9	67.4	67.5	68.0	68.7	70.0	71.9
[illegible]	62.4	63.9	65.5	66.7	68.2	68.8	69.0	69.5	70.2	71.5	73.4
[illegible]	65.1	66.7	68.3	69.7	71.3	71.9	72.2	72.6	73.3	74.6	76.6
[illegible]	67.7	69.3	71.4	72.8	74.2	75.1	75.4	75.8	76.7	78.0	79.9
[illegible]	68.4	70.3	72.2	73.4	75.1	75.9	76.3	76.8	77.6	78.9	80.9
[illegible]	70.5	72.5	74.6	75.9	77.5	78.6	79.0	79.5	80.3	81.7	83.8
[illegible]	71.1	73.2	75.3	76.6	78.5	79.6	80.1	80.5	81.4	82.9	84.8
[illegible]	71.8	74.1	76.3	77.6	79.4	81.2	81.7	82.2	83.0	84.4	86.8
[illegible]	74.2	76.8	79.5	80.8	82.9	84.4	84.9	85.4	86.2	87.6	90.0
[illegible]	74.8	77.5	80.8	82.4	84.6	86.5	87.0	87.8	88.6	90.6	93.2
[illegible]	74.9	78.0	81.3	82.9	85.3	87.4	88.0	89.0	90.3	92.3	95.6
[illegible]	75.1	78.1	81.5	83.1	85.7	87.8	88.5	89.6	91.0	93.1	96.8
[illegible]	75.1	78.1	81.5	83.2	86.0	88.2	88.9	90.1	91.9	94.2	98.3
[illegible]	75.1	78.1	81.5	83.2	86.0	88.2	88.9	90.1	91.9	94.2	100.0

OPERATING LOCATION MAP
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53503 STATION NAME: UPPER MEXICAN AIR OR PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32	24	[illegible]	[illegible]
NO CEIL	19.9	20.1	23.[illegible]	24.9	27.1	27.3	27.7	28.4	29.9	29.9
GE 20000	27.9	27.7	32.7	34.2	35.5	36.[illegible]	37.3	38.1	[illegible].7	[illegible].9
GE 18000	27.9	27.[illegible]	32.9	34.3	35.7	36.9	37.4	[illegible].2	[illegible].[illegible]	[illegible].1
GE 16000	27.9	27.[illegible]	32.8	34.3	36.7	36.9	37.4	[illegible].9	[illegible].[illegible]	[illegible].1
GE 14000	27.9	27.[illegible]	32.[illegible]	34.3	36.7	36.9	37.4	38.2	39.[illegible]	[illegible].1
GE 12000	27.9	28.[illegible]	33.0	35.1	37.5	37.7	38.3	39.0	39.7	40.[illegible]
GE 10000	31.[illegible]	31.7	37.0	38.7	41.3	41.7	42.3	43.1	43.[illegible]	44.1
GE 9000	31.[illegible]	32.[illegible]	37.[illegible]	39.[illegible]	42.[illegible]	42.[illegible]	43.[illegible]	44.3	44.[illegible]	45.3
GE 8000	34.[illegible]	3[illegible].3	41.0	43.3	46.[illegible]	47.0	47.[illegible]	48.[illegible]	49.1	49.[illegible]
GE 7000	34.[illegible]	35.[illegible]	42.[illegible]	44.4	47.[illegible]	48.3	48.[illegible]	49.[illegible]	50.[illegible]	51.[illegible]
GE 6000	35.2	35.[illegible]	42.5	44.7	48.[illegible]	48.[illegible]	49.2	50.[illegible]	51.[illegible]	51.[illegible]
GE 5000	36.[illegible]	37.7	44.[illegible]	47.2	50.5	51.2	51.[illegible]	52.[illegible]	53.[illegible]	54.[illegible]
GE 4500	41.[illegible]	41.[illegible]	48.4	49.7	52.7	53.4	54.2	55.5	56.3	56.[illegible]
GE 4000	41.[illegible]	41.[illegible]	48.[illegible]	50.8	52.[illegible]	53.[illegible]	54.2	55.1	55.7	56.[illegible]
GE 3500	42.1	44.[illegible]	52.2	54.[illegible]	57.[illegible]	58.4	59.[illegible]	60.2	60.1	60.[illegible]
GE 3000	44.[illegible]	44.[illegible]	52.[illegible]	55.3	58.2	58.5	59.3	60.[illegible]	61.[illegible]	61.[illegible]
GE 2500	46.[illegible]	47.6	56.8	59.7	63.1	63.8	64.[illegible]	65.2	66.1	66.[illegible]
GE 2000	49.7	49.[illegible]	59.4	62.3	67.3	68.0	69.[illegible]	70.4	71.[illegible]	71.[illegible]
GE 1800	49.[illegible]	49.[illegible]	59.7	62.[illegible]	68.2	68.[illegible]	69.[illegible]	71.1	72.[illegible]	72.[illegible]
GE 1500	49.7	50.[illegible]	61.1	64.[illegible]	70.3	71.[illegible]	72.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]
GE 1200	51.[illegible]	52.4	63.7	67.4	73.[illegible]	75.[illegible]	76.[illegible]	77.[illegible]	78.[illegible]	78.[illegible]
GE 1000	52.[illegible]	53.1	65.1	68.9	75.[illegible]	77.[illegible]	78.[illegible]	79.[illegible]	80.[illegible]	80.7
GE 900	52.[illegible]	53.[illegible]	65.5	69.4	76.2	77.1	78.[illegible]	79.[illegible]	80.7	80.7
GE 800	53.[illegible]	53.[illegible]	66.3	70.4	77.4	78.2	79.[illegible]	80.9	82.1	82.1
GE 700	53.4	54.3	67.2	71.7	78.[illegible]	79.[illegible]	80.9	82.[illegible]	83.[illegible]	83.[illegible]
GE 600	53.9	54.7	68.0	72.7	79.6	81.3	82.[illegible]	83.[illegible]	84.[illegible]	84.[illegible]
GE 500	53.9	54.7	68.1	72.8	80.1	82.7	83.4	84.5	85.[illegible]	85.2
GE 400	53.9	54.7	68.1	72.8	80.3	83.0	83.6	84.1	85.4	85.1
GE 300	53.9	54.7	68.1	72.8	80.4	83.1	83.7	84.4	85.7	85.[illegible]
GE 200	53.9	54.7	68.1	72.8	80.4	83.1	83.7	84.4	85.7	85.[illegible]
GE 100	53.9	54.7	68.1	72.8	80.4	83.1	83.7	84.4	85.7	85.[illegible]
GE 000	53.9	54.7	68.1	72.8	80.4	83.1	83.7	84.4	85.7	85.[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

...F FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
... FROM HOURLY OBSERVATIONS

...VERO AAF UK PERIOD OF RECORD: JUL 79 - JUN 83
MONTH: OCT HOURS: 09-11

...ILITY IN METERS										
...	...	...	...	...	...	...	...	...	...	...
...	32	24	...	16	12	10	08	06	04	00
7.3	27.7	...4	...9	...0	...3	29.0	29.0	29.1	29.2	29.7
...4	37.3	...1	...7	...0	...0	39.1	39.1	39.2	39.6	40.1
...3	37.4	...2	...8	...1	...1	39.2	39.2	39.4	39.7	40.2
...9	37.4	...2	...8	...1	...1	39.2	39.2	39.4	39.7	40.2
...4	37.4	...2	...6	...1	...1	39.2	39.2	39.4	39.7	40.2
7.7	...3	...0	...7	...0	...0	40.1	40.1	40.2	40.5	41.1
...7	42.3	43.1	...3	44.1	44.2	44.3	44.3	44.4	44.7	45.3
...3	43.4	44.3	...9	45.3	45.4	45.5	45.5	45.6	45.9	46.5
...3	47.5	48.5	49.1	49.3	49.3	49.9	49.9	50.0	50.3	50.9
...3	...9	49.9	50.5	51.0	51.2	51.3	51.3	51.4	51.7	52.3
...5	47.2	50.2	51.0	51.4	51.5	51.7	51.7	51.9	52.2	52.7
...2	51.3	52.3	53.5	54.2	54.2	54.3	54.3	54.4	54.7	55.3
...4	54.2	55.5	55.3	56.3	57.0	57.1	57.1	57.2	57.5	58.1
...2	51.1	53.7	55.5	61.3	61.5	61.7	61.7	61.8	62.2	62.7
...3	61.5	63.2	64.1	64.3	65.2	65.3	65.3	65.4	65.7	66.2
...3	66.3	67.2	68.1	68.9	69.2	69.3	69.5	69.6	70.0	70.6
...2	67.3	69.2	70.1	71.0	71.3	71.5	71.5	71.6	72.0	72.7
...0	71.9	72.7	73.8	74.3	74.9	75.2	75.2	75.3	75.7	76.3
...4	71.1	73.0	74.1	74.8	75.3	75.5	75.5	75.6	76.0	76.7
71.9	73.3	75.9	77.0	77.8	78.2	78.4	78.4	78.5	78.9	79.6
...3	77.4	78.7	80.3	81.0	81.9	82.2	82.2	82.3	82.7	83.3
...3	79.4	...6	...4	84.7	85.1	85.4	85.4	85.5	85.9	86.6
...1	80.5	83.3	84.7	85.7	86.0	86.3	86.3	86.5	86.9	87.5
...2	...3	84.9	86.1	87.1	87.4	87.7	87.7	87.8	88.3	88.9
...4	83.9	...0	...2	89.6	89.9	90.2	90.2	90.4	90.9	91.5
1.3	...2	...2	...4	90.8	91.1	91.4	91.4	91.6	92.0	93.0
...7	...9	...5	90.6	92.2	92.6	93.0	93.2	93.4	93.9	94.8
...0	...6	90.1	91.4	93.1	93.7	94.1	94.4	94.6	95.2	96.1
...1	...7	90.4	91.7	93.5	94.4	94.9	95.3	95.8	96.3	97.4
...1	...7	90.4	91.7	93.5	94.4	95.2	95.5	96.3	96.9	98.3
...1	...7	90.4	91.7	93.5	94.4	95.3	95.6	96.5	97.7	99.6
...1	85.7	90.4	91.7	93.5	94.4	95.3	95.6	96.8	97.7	100.0

OPERATING LOCATION MAM
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 11200	GE [illegible]	GE [illegible]	GE [illegible]	GE 4800	GE 4000	GE 3200	GE 2400	GE [illegible]	GE [illegible]
NO CEIL	1?.7	[illegible]	22.4	22.9	23.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 20000	[illegible]	[illegible]	31.9	32.5	33.2	33.3	33.4	33.4	[illegible]	[illegible]
GE 18000	[illegible]	[illegible]	32.4	32.9	33.7	33.9	33.9	33.9	[illegible]	[illegible]
GE 16000	[illegible]	[illegible]	32.4	32.9	33.7	[illegible]	33.9	33.9	[illegible]	[illegible]
GE 14000	[illegible]	[illegible]	32.4	32.9	33.7	33.8	33.9	33.9	[illegible]	[illegible]
GE 12000	[illegible]	[illegible]	33.5	34.1	[illegible]	[illegible]	35.1	35.1	[illegible]	[illegible]
GE 10000	[illegible]	[illegible]	37.4	[illegible]	39.4	39.5	[illegible]	[illegible]	[illegible]	[illegible]
GE 9000	[illegible]	[illegible]	[illegible]	39.6	[illegible]	40.6	[illegible]	[illegible]	[illegible]	[illegible]
GE 8000	[illegible]	[illegible]	[illegible]	45.2	[illegible]	45.7	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	[illegible]	[illegible]	[illegible]	[illegible]	47.2	47.3	47.4	47.4	[illegible]	[illegible]
GE 6000	[illegible]	[illegible]	[illegible]	[illegible]	48.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 5000	[illegible]	[illegible]	[illegible]	51.1	[illegible]	52.7	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4000	[illegible]	[illegible]	57.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	[illegible]	63.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 3000	[illegible]	[illegible]	[illegible]	[illegible]	71.3	[illegible]	75.3	[illegible]	[illegible]	[illegible]
GE 2500	[illegible]	[illegible]	71.5	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2000	[illegible]	[illegible]	[illegible]	77.6	[illegible]	81.6	[illegible]	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	[illegible]	[illegible]	[illegible]	81.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1500	[illegible]	67.4	[illegible]	[illegible]	83.4	[illegible]	[illegible]	85.7	[illegible]	[illegible]
GE 1200	67.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1000	[illegible]	[illegible]	[illegible]	[illegible]	87.7	[illegible]	[illegible]	91.4	[illegible]	91.7
GE 900	[illegible]	[illegible]	[illegible]	83.4	[illegible]	[illegible]	[illegible]	92.2	92.6	[illegible]
GE 800	[illegible]	[illegible]	81.6	84.5	[illegible]	92.3	[illegible]	[illegible]	[illegible]	94.1
GE 700	[illegible]	70.6	81.5	84.8	90.8	93.1	94.2	95.1	95.4	[illegible]
GE 600	[illegible]	[illegible]	81.7	84.9?	[illegible]	93.2	94.5	95.2	[illegible]	[illegible]
GE 500	[illegible]	70.6	81.8	85.3	91.4	[illegible]	[illegible]	95.2	[illegible]	[illegible]
GE 400	[illegible]	70.6	81.8	85.3	91.6	94.2	95.3	96.7	[illegible]	[illegible]
GE 300	[illegible]	70.6	81.3	85.3	91.6	94.2	95.3	95.7	97.2	[illegible]
GE 200	[illegible]	70.6	81.8	85.3	91.5	94.2	95.3	95.7	97.2	[illegible]
GE 100	[illegible]	70.6	81.8	85.3	91.6	94.2	95.3	95.7	97.2	[illegible]
GE 000	58.9	70.6	81.8	85.3	91.6	94.2	95.3	96.7	97.2	[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: OCT HOURS: 12-14

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS										
	50	32	24	20	16	12	10	08	06	04	00
70	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
60	33.3	33.4	33.4	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7
50	33.9	33.9	33.9	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1
40	33.9	33.9	33.9	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1
30	33.9	33.9	33.9	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1
25	34.9	35.1	35.1	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3
20	39.5	39.6	39.6	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8
18	40.9	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0
16	46.7	46.8	46.8	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0
14	47.3	47.4	47.4	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6
12	48.2	48.3	48.3	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5
10	52.7	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0
09	55.9	55.9	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1
08	61.9	62.0	62.0	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3
07	66.5	66.7	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0
06	75.8	75.9	75.9	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
05	77.9	78.0	78.0	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2
04	81.6	82.0	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5
03	84.8	85.2	85.4	85.6	85.6	85.1	85.1	85.1	85.1	85.1	85.1
02	84.9	85.4	85.7	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9
01	89.2	89.8	90.1	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4
00	90.3	90.9	91.4	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8
29	91.4	91.6	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.6	92.6
28	92.3	93.2	93.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2
27	93.1	94.2	95.1	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7
26	93.2	94.3	95.2	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8
25	93.3	94.4	95.2	95.5	97.0	97.2	97.3	97.3	97.3	97.3	97.3
24	94.2	95.3	96.7	97.0	97.8	98.1	98.2	98.2	98.2	98.2	98.2
23	94.2	95.3	96.7	97.2	98.3	98.7	98.9	98.9	99.2	99.2	99.2
22	94.2	95.3	96.7	97.2	98.3	98.7	98.9	99.1	99.5	99.7	99.7
21	94.2	95.3	96.7	97.2	98.3	98.7	98.9	99.1	99.5	99.8	99.8
20	94.2	95.3	96.7	97.2	98.3	98.7	98.9	99.1	99.5	99.9	100.0

OPERATING LOCATION: NAW
USAFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
0300 HOURLY OBSERVATIONS

STATION NUMBER: 99999 STATION NAME: UPPER MCKENZIE AIR WA
LAT LONG: + 0

CEILING	VISIBILITY IN METERS									
IN HUNDREDS OF FEET	22 OR MORE	9	5	3	2	1	1/2	1/4	1/8	0
	220	90	50	30	20	10	5	2	1	0
22 OR MORE	29.0	31.0	33.1	34.3	35.1	35.1	35.1	35.3	35.3	35.4
20	31.0	31.0	34.7	35.9	36.7	36.7	36.7	36.9	36.9	37.1
18	31.0	31.7	34.9	36.1	36.9	36.9	36.9	37.1	37.1	37.3
15	31.0	31.7	34.9	36.1	36.9	36.9	36.9	37.1	37.1	37.3
12	31.0	31.7	35.0	36.2	37.2	37.2	37.2	37.4	37.4	37.6
10	33.0	34.7	37.4	38.6	39.4	39.4	39.4	39.6	39.6	39.8
9	37.9	39.1	41.3	42.5	43.1	43.1	43.1	43.3	43.3	43.5
8	38.1	39.3	41.5	42.7	43.3	43.3	43.3	43.5	43.5	43.7
7	43.1	44.1	47.0	48.4	49.2	49.2	49.2	49.4	49.4	49.6
6	43.5	44.7	47.8	49.2	50.0	50.0	50.0	50.2	50.2	50.4
5	44.3	45.5	48.7	50.1	50.9	50.9	50.9	51.1	51.1	51.3
4	47.0	48.2	51.6	53.0	53.8	53.8	53.8	54.0	54.0	54.2
3	47.4	48.6	52.0	53.4	54.2	54.2	54.2	54.4	54.4	54.6
2	48.1	49.3	52.7	54.1	54.9	70.3	71.8	72.0	72.0	72.2
1	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
0	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
22 OR MORE	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
20	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
18	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
15	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
12	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
10	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
9	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
8	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
7	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
6	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
5	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
4	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
3	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
2	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
1	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4
0	48.1	49.3	52.7	54.1	54.9	74.4	76.0	76.2	76.2	76.4

TOTAL NUMBER OF OBSERVATIONS 930

...TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...ROM AUPLY OBSERVATIONS

...MEYER AFB NE PERIOD OF RECORD: JUL 75 - JUN 85
MONTH: OCT HOURS: 15-17

VISIBILITY IN METERS										
...	3F	3T	3Z	6C	6F	6H	6K	6P	6E	6C
...	32	24	20	16	12	10	08	06	04	00
...1	25.1	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4
...7	35.7	36.4	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
...	35.4	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2
...	35.9	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2
...2	37.2	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5
...4	39.4	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7
...1	44.1	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4
...3	46.3	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7
...5	51.5	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8
...8	53.5	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9
...1	54.0	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
...	55.7	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2
...1	63.4	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0
...2	70.3	70.5	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8
...6	74.7	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
...8	81.0	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7
...	82.9	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4
...	85.3	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9
...7	87.1	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5
...5	89.3	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
...3	91.2	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
...2	93.3	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
...5	93.7	94.2	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6
...4	94.4	95.1	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5
...1	95.1	95.9	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3
...4	95.4	95.8	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2
...1	95.3	97.3	97.6	98.3	98.4	98.5	98.5	98.5	98.5	98.5
...4	95.3	97.7	98.1	98.9	99.0	99.1	99.1	99.1	99.1	99.1
...4	95.3	97.7	98.1	99.0	99.2	99.4	99.4	99.4	99.4	99.4
...4	95.3	97.7	98.1	99.0	99.4	99.5	99.7	99.7	99.7	100.0
...4	95.3	97.7	98.1	99.0	99.4	99.5	99.7	99.7	99.7	100.0
...4	95.3	97.7	98.1	99.0	99.4	99.5	99.7	99.7	99.7	100.0

OPERATIONS LOCATIONS MAP
USAARTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 93553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTHS:

CEILING IN FEET	VISIBILITY IN METERS									
	OF	4	3	2	1	1/2	1/4	1/8	1/16	0
	11	9	8	6	5	4	3	2	1	0
NO CEIL	31.0	31.2	35.2	35.7	36.0	37.2	37.6	38.0	38.2	38.4
20000	37.2	38.2	42.9	43.6	44.0	45.2	45.4	46.0	46.2	46.4
15000	37.2	38.2	42.9	43.6	44.0	45.2	45.4	46.0	46.2	46.4
10000	37.2	38.2	42.9	43.6	44.0	45.2	45.4	46.0	46.2	46.4
8000	37.4	38.4	43.1	43.7	45.0	45.3	45.5	46.1	46.1	46.1
7000	38.0	39.0	44.3	45.0	46.3	46.5	46.7	47.4	47.4	47.4
6000	40.3	41.4	47.1	48.0	49.3	49.6	49.7	50.4	50.4	50.4
5000	42.0	43.0	49.0	49.8	51.1	51.5	51.7	52.2	52.2	52.2
4000	45.3	46.3	54.0	55.0	56.4	56.7	56.9	57.5	57.5	57.5
3500	46.2	47.4	55.2	56.3	57.7	58.0	58.2	58.9	59.0	59.0
3000	47.0	48.2	56.9	58.0	59.7	60.1	60.4	61.2	61.2	61.2
2500	48.3	49.6	58.9	60.3	61.9	62.3	62.7	63.5	63.5	63.5
2000	50.1	51.4	62.3	63.4	65.2	65.7	66.0	66.8	66.8	66.8
1800	50.7	52.0	63.0	64.3	66.1	66.6	66.9	67.7	67.7	67.7
1600	51.3	52.7	65.0	66.3	68.3	68.8	69.1	69.9	69.9	69.9
1400	52.3	53.7	66.4	67.7	69.8	70.1	70.5	71.3	71.3	71.3
1200	53.3	54.7	68.0	69.3	71.5	72.0	72.3	73.1	73.1	73.1
1000	54.3	55.7	69.3	70.7	73.0	73.5	73.8	74.6	74.6	74.6
900	54.8	56.2	70.0	71.4	73.7	74.2	74.5	75.3	75.3	75.3
800	55.3	56.7	70.7	72.1	74.4	74.9	75.2	76.0	76.0	76.0
700	56.0	57.4	71.6	73.0	75.3	75.8	76.1	76.9	76.9	76.9
600	56.8	58.2	72.6	74.0	76.4	76.9	77.2	78.0	78.0	78.0
500	57.6	59.0	73.6	75.1	77.5	78.0	78.3	79.1	79.1	79.1
400	58.4	59.8	74.6	76.1	78.5	79.0	79.3	80.1	80.1	80.1
300	59.1	60.5	75.4	76.9	79.3	79.8	80.1	80.9	80.9	80.9
200	59.4	60.8	75.7	77.4	79.9	80.4	80.7	81.5	81.5	81.5
100	59.4	60.8	75.7	77.4	79.9	80.4	80.7	81.5	81.5	81.5
000	59.4	60.8	75.7	77.4	79.9	80.4	80.7	81.5	81.5	81.5

TOTAL NUMBER OF OBSERVATIONS 929

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ER MEYERS RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: OCT HOURS: 18-20

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
37.2	37.5	38.0	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1
45.2	45.4	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1
45.2	45.4	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1
45.2	45.4	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1
45.3	45.5	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2
46.5	46.8	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5
49.5	49.7	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5
51.5	51.7	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3
56.7	56.9	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6
58.0	58.2	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9
59.4	59.7	60.2	60.2	60.2	60.2	59.3	59.3	59.3	59.3	59.3
61.5	61.7	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4
65.7	65.9	66.4	66.5	66.5	66.5	66.6	66.5	66.5	66.5	66.6
70.1	70.3	70.8	71.0	71.0	71.0	71.2	71.2	71.2	71.2	71.2
74.1	74.4	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2
77.5	77.7	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6
80.3	80.4	80.9	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3
83.2	83.5	84.2	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5
84.3	84.7	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8
86.4	86.8	86.9	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3
89.1	89.3	89.7	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2
90.7	90.9	91.4	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9
92.5	91.4	92.2	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9
91.5	92.9	93.8	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5
91.5	93.2	94.2	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9
95.5	94.2	95.2	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3
93.0	94.7	95.8	97.0	97.8	98.0	98.1	98.3	98.3	98.3	98.3
93.3	95.0	96.6	97.7	98.6	98.7	98.8	99.0	99.0	99.0	99.0
93.3	95.0	96.7	97.8	98.6	98.9	99.0	99.2	99.2	99.2	99.2
93.3	95.2	96.8	98.0	98.9	99.0	99.2	99.5	99.5	99.5	99.5
93.3	95.3	96.9	98.1	99.0	99.1	99.4	99.6	99.6	99.7	100.0
93.3	95.3	96.9	98.1	99.0	99.1	99.4	99.6	99.6	99.7	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35563 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	11?	??	4?	60	4?	4?	32	24	2?	1?
NO CEIL	32.?	33.?	37.4	38.2	41.0	41.0	41.6	42.5	42.5	42.?
GE 20000	37.?	3?.?	43.1	44.0	47.0	47.0	47.?	4?.5	4?.5	4?.?
GE 17000	37.?	3?.?	43.1	44.0	47.0	47.0	47.?	4?.5	4?.5	4?.?
GE 15000	37.?	3?.?	43.1	44.0	47.0	47.0	47.?	4?.5	4?.?	4?.?
GE 14000	37.3	3?.1	43.?	44.1	47.1	47.1	47.7	4?.4	4?.4	4 .?
GE 12000	37.4	3?.2	43.?	44.5	47.5	47.5	4?.2	4?.?	4?.?	4?.?
GE 10000	3?.?	4?.?	4?.?	47.1	50.4	50.5	51.2	52.?	52.?	?2.?
GE ?000	4?.?	4?.?	4?.4	47.?	51.0	51.1	51.7	?2.?	52.5	?2.?
GE ?000	4?.?	44.4	?1.1	52.2	55.?	?5.1	55.?	?7.4	?7.5	?7.?
GE ?000	44.5	4?.?	?2.?	53.?	57.4	57.5	?7.?	?9.?	?4.?	?4.?
GE ?000	44.7	4?.?	?2.?	54.1	?4.?	?4.1	?3.7	?3.4	?3.5	?3.?
GE ?000	44.7	47.4	?3.?	?5.1	?0.4	?0.5	?1.2	?2.?	?2.?	?2.?
GE 4?00	43.4	4?.?	?2.2	?3.?	?4.5	?4.?	?5.?	?5.1	?5.1	?5.1
GE 4000	?2.1	?2.?	?2.7	?4.?	?3.4	?3.?	?3.7	7?.?	7?.4	71.?
GE 3?00	?3.3	?4.?	?4.7	?5.1	73.5	71.2	71.?	72.7	72.4	7?.1
GE 3000	?7.3	?5.1	?7.2	?7.?	73.4	74.1	74.7	7?.?	7?.4	7?.1
GE 2?00	?5.?	?7.2	?4.?	7?.?	75.?	7?.1	7?.?	77.7	7?.1	7?.?
GE 2?00	?7.7	?? .?	71.?	73.?	74.2	7?.4	7?.?	?1.1	?1.1	?1.?
GE 1?00	?? .1	?? .?	71.3	73.?	7?.?	7?.7	?? .4	1.?	?1.?	?2.?
GE 1500	?? .4	?? .3	73.4	75.?	?1.?	?2.3	?3.?	?4.2	?4.7	?4.?
GE 1200	?? .?	?1.?	74.6	77.?	?3.5	?4.3	?5.2	?? .?	?7.1	?7.?
GE 1?00	?1.?	?1.4	75.?	7?.4	76.5	76.2	77.1	?? .4	?? .2	?? .2
GE 1?00	41.1	?2.2	75.5	7?.?	76.2	?7.2	?? .1	?9.5	?? .1	?? .?
GE ?00	?1.?	?2.?	77.5	?? .1	?7.7	?? .?	?? .?	?1.4	?2.?	?2.?
GE 700	?2.?	?3.?	7?.?	?1.5	?? .1	?? .4	?1.5	?2.?	?3.?	?4.1
GE 5??	?3.?	?4.1	7?.2	?1.?	?? .?	?1.2	?2.3	?4.?	?4.3	?5.2
GE 4??	?3.4	?4.5	7?.?	?2.7	?? .?	?2.6	?3.?	?5.?	?7.1	?7.?
GE 4??	?3.4	?4.5	7?.?	?2.7	?? .?	?2.6	?4.?	?6.3	?7.5	?? .4
GE 3??	?3.4	?4.5	7?.?	?2.7	?? .?	?2.6	?4.?	?6.6	?7.7	?? .?
GE 2??	?3.4	?4.5	7?.?	?2.7	?? .?	?2.6	?4.?	?6.?	?? .?	?? .?
GE 1??	?3.4	?4.5	7?.?	?2.7	?? .?	?2.6	?4.?	?6.5	?? .1	?6.?
GE ?00	?3.4	?4.5	7?.?	?2.7	?? .?	?2.6	?4.?	?6.?	?? .1	?6.?

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: OCT HOURS: 21-23

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
41.0	41.6	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
47.0	47.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
47.0	47.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
47.0	47.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
47.1	47.7	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
47.5	48.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
50.5	51.2	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
51.1	51.7	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
55.1	55.8	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
57.5	58.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
58.1	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
60.5	61.2	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
64.5	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
69.5	69.7	70.5	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0
71.2	71.9	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1
74.1	74.7	75.5	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
76.1	76.9	77.7	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
79.3	79.5	80.5	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
79.7	80.4	81.5	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2
82.3	83.0	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
84.3	85.2	86.5	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
86.2	87.1	88.4	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4
87.2	88.1	89.5	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4
89.0	90.0	91.4	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.7
90.4	91.5	92.9	93.6	94.1	94.2	94.2	94.2	94.2	94.2	94.5
91.2	92.3	94.0	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.6
92.6	93.9	95.9	97.1	97.6	97.7	97.7	97.7	97.7	97.7	98.1
92.6	94.0	96.3	97.5	98.4	98.5	98.5	98.5	98.5	98.5	98.8
92.6	94.0	96.6	97.7	98.6	98.7	98.8	98.8	98.8	98.9	99.2
92.6	94.0	96.8	98.0	98.8	98.9	99.0	99.0	99.0	99.1	99.5
92.6	94.0	96.8	98.1	98.9	99.0	99.1	99.2	99.2	99.4	99.9
92.6	94.0	96.8	98.1	98.9	99.0	99.1	99.2	99.2	99.4	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH: [illegible]

CEILING IN FEET	VISIBILITY IN METERS									
	GE 112	GE 80	GE 48	GE 32	GE 24	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	24.[illegible]	[illegible].2	29.1	30.1	32.0	32.4	32.[illegible]	33.4	33.7	33.[illegible]
GE 20000	30.[illegible]	31.1	35.3	36.9	38.1	39.[illegible]	37.[illegible]	40.[illegible]	40.[illegible]	41.[illegible]
GE 18000	30.[illegible]	31.[illegible]	35.[illegible]	37.[illegible]	38.2	39.5	39.[illegible]	40.[illegible]	40.[illegible]	41.1
GE 16000	30.[illegible]	31.[illegible]	35.[illegible]	37.0	38.2	39.5	39.[illegible]	40.[illegible]	40.[illegible]	41.1
GE 14000	30.5	31.3	35.[illegible]	37.1	38.3	39.5	40.0	40.7	41.[illegible]	41.[illegible]
GE 12000	31.3	31.[illegible]	35.[illegible]	37.[illegible]	40.2	40.[illegible]	40.[illegible]	41.[illegible]	41.[illegible]	42.1
GE 10000	34.[illegible]	34.[illegible]	40.2	41.4	43.[illegible]	44.3	44.7	45.[illegible]	45.7	45.[illegible]
GE 9000	35.[illegible]	35.7	41.2	42.5	44.9	45.4	45.[illegible]	46.5	46.[illegible]	47.1
GE 8000	37.3	37.[illegible]	43.3	44.7	47.4	48.0	48.4	49.2	49.5	50.1
GE 7000	38.[illegible]	39.[illegible]	45.3	47.7	50.8	51.0	51.5	52.3	52.7	53.[illegible]
GE 6000	39.4	40.1	46.[illegible]	48.4	51.2	51.4	52.[illegible]	53.1	53.4	53.7
GE 5000	42.[illegible]	42.7	48.[illegible]	51.5	54.[illegible]	55.1	55.[illegible]	56.4	56.[illegible]	57.1
GE 4500	44.7	45.5	53.2	54.[illegible]	57.1	58.[illegible]	58.3	59.2	59.[illegible]	60.[illegible]
GE 4000	47.[illegible]	48.7	55.7	58.5	62.4	63.2	63.7	64.[illegible]	65.3	65.7
GE 3500	49.[illegible]	50.[illegible]	59.1	61.2	65.2	66.1	66.7	67.[illegible]	67.[illegible]	68.[illegible]
GE 3000	52.[illegible]	53.3	62.5	64.7	69.2	70.1	70.7	72.0	72.[illegible]	72.[illegible]
GE 2500	58.[illegible]	58.7	66.2	68.[illegible]	71.[illegible]	72.2	73.[illegible]	74.3	74.[illegible]	75.[illegible]
GE 2000	59.4	59.[illegible]	66.[illegible]	69.2	74.1	75.2	76.1	77.[illegible]	78.1	78.7
GE 1800	59.[illegible]	59.5	66.3	69.5	74.[illegible]	75.7	76.[illegible]	78.[illegible]	78.[illegible]	79.2
GE 1500	59.7	59.7	66.[illegible]	71.3	75.6	77.9	78.[illegible]	80.4	81.[illegible]	81.[illegible]
GE 1200	60.[illegible]	61.[illegible]	71.[illegible]	73.[illegible]	77.[illegible]	80.2	81.4	82.[illegible]	83.[illegible]	84.2
GE 1000	66.[illegible]	66.7	71.4	74.[illegible]	80.[illegible]	82.3	83.[illegible]	85.3	86.[illegible]	86.[illegible]
GE 900	66.[illegible]	66.[illegible]	71.[illegible]	75.[illegible]	81.6	83.2	84.6	86.4	87.1	87.7
GE 800	66.5	66.5	72.3	76.1	82.9	84.6	86.2	88.[illegible]	88.[illegible]	89.4
GE 700	66.8	66.[illegible]	73.2	76.7	83.7	85.4	87.1	89.1	89.[illegible]	90.7
GE 600	66.[illegible]	67.1	73.6	77.2	84.3	86.1	87.[illegible]	90.0	90.[illegible]	91.[illegible]
GE 500	66.4	67.5	74.2	77.8	85.4	87.3	88.3	91.7	92.7	93.7
GE 400	66.4	67.5	74.3	78.0	85.[illegible]	87.7	88.8	92.5	93.[illegible]	94.7
GE 300	66.[illegible]	67.5	74.3	78.0	85.9	87.8	88.9	92.7	93.[illegible]	95.1
GE 200	66.4	67.5	74.3	78.0	85.9	87.8	90.0	92.8	94.0	95.3
GE 100	66.4	67.5	74.3	78.0	85.9	87.8	90.0	92.9	94.0	95.4
GE 000	66.4	67.5	74.3	78.0	85.9	87.8	90.0	92.9	94.0	95.4

TOTAL NUMBER OF OBSERVATIONS 7439

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 93
MONTH: OCT HOURS: ALL

CEILING IN FEET / VISIBILITY IN METERS	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	32.4	32.8	33.4	33.7	33.8	34.0	34.0	34.0	34.2	34.3	34.7
	39.5	39.8	40.5	40.8	41.0	41.2	41.3	41.3	41.4	41.7	42.1
	39.5	39.9	40.6	40.9	41.1	41.3	41.3	41.4	41.5	41.8	42.2
	39.5	39.9	40.6	40.9	41.1	41.3	41.3	41.4	41.5	41.8	42.2
	39.6	40.0	40.7	41.0	41.2	41.4	41.4	41.5	41.6	41.9	42.3
	40.0	40.4	41.6	41.9	42.1	42.3	42.4	42.4	42.6	42.8	43.2
	44.3	44.7	45.5	45.7	46.0	46.1	46.2	46.2	46.4	46.7	47.1
	45.4	45.8	46.6	46.9	47.1	47.3	47.3	47.4	47.6	47.9	48.2
	50.3	50.8	51.2	51.5	51.8	52.0	52.1	52.1	52.3	52.6	52.9
	51.0	51.5	52.3	52.7	52.9	53.1	53.2	53.2	53.4	53.7	54.0
	51.4	52.1	53.1	53.4	53.7	53.9	54.0	54.0	54.2	54.5	54.8
	55.1	55.6	56.4	56.7	57.1	57.3	57.3	57.4	57.6	57.9	58.2
	58.9	59.3	60.2	60.5	60.9	61.1	61.2	61.2	61.4	61.7	62.1
	63.2	63.7	64.8	65.3	65.7	66.0	66.0	66.1	66.3	66.6	67.0
	68.1	68.7	67.8	68.2	68.7	68.9	69.0	69.1	69.3	69.6	69.9
	72.1	72.7	73.0	73.4	73.9	74.2	74.3	74.3	74.5	74.8	75.2
	72.2	73.0	74.3	74.8	75.3	75.5	75.6	75.7	75.9	76.2	76.6
	75.2	76.1	77.5	78.1	78.7	79.0	79.1	79.1	79.3	79.6	80.0
	75.7	76.6	78.0	78.6	79.2	79.5	79.6	79.6	79.8	80.1	80.5
	77.9	78.9	80.4	81.0	81.5	81.9	82.0	82.1	82.3	82.6	83.0
	80.2	81.4	82.9	83.5	84.2	84.5	84.6	84.7	84.9	85.2	85.6
	82.3	83.5	85.3	86.0	86.6	87.0	87.1	87.2	87.4	87.7	88.1
	83.2	84.6	86.4	87.1	87.7	88.1	88.2	88.3	88.5	88.8	89.2
	84.6	86.2	88.0	88.8	89.4	89.9	90.0	90.1	90.4	90.7	91.1
	85.4	87.1	89.1	89.9	90.7	91.1	91.3	91.4	91.6	91.9	92.4
	86.1	87.9	90.0	90.8	91.6	92.1	92.3	92.4	92.6	92.9	93.5
	87.3	89.3	91.7	92.7	93.7	94.3	94.5	94.6	94.9	95.2	95.8
	87.7	89.8	92.5	93.5	94.7	95.4	95.6	95.8	96.1	96.5	97.1
	87.8	89.9	92.7	93.8	95.1	95.9	96.2	96.5	96.9	97.3	98.1
	87.8	90.0	92.8	94.0	95.3	96.1	96.5	96.8	97.3	97.8	98.6
	87.8	90.0	92.9	94.0	95.4	96.3	96.6	97.0	97.6	98.3	99.5
	87.8	90.0	92.9	94.0	95.4	96.3	96.6	97.0	97.6	98.3	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	GE 11	GE 8	GE 3	GE 5	GE 4	GE 4	GE 3	GE 2	GE 2	GE 1
NO CEIL	27.9	27.9	30.5	31.3	33.1	33.5	34.7	35.5	35.9	35.9
GE 20000	29.4	29.5	32.3	33.3	35.4	35.7	36.9	37.7	38.2	38.2
GE 18000	29.5	29.6	32.3	33.3	35.4	35.7	36.9	37.7	38.2	38.2
GE 16000	29.5	29.6	32.3	33.3	35.4	35.7	36.9	37.7	38.2	38.2
GE 14000	29.5	29.6	32.3	33.4	35.4	35.7	36.9	37.7	38.2	38.2
GE 12000	29.7	29.8	32.5	34.2	35.7	36.0	37.3	38.1	38.5	38.5
GE 10000	31.1	31.3	34.3	35.3	37.6	37.9	39.2	40.0	40.4	40.4
GE 9000	31.6	31.7	34.7	35.8	38.1	38.5	39.7	40.5	41.0	41.0
GE 8000	34.1	34.2	37.7	39.3	41.1	41.5	42.7	43.5	44.0	44.0
GE 7000	35.2	35.4	39.0	40.5	42.3	42.7	44.0	45.0	45.4	45.4
GE 6000	35.4	35.7	39.3	40.8	42.6	43.1	44.5	45.4	45.9	46.0
GE 5000	37.4	37.6	41.5	43.3	45.2	45.8	46.9	47.8	48.1	48.1
GE 4500	41.7	42.2	46.2	48.3	50.4	51.1	52.7	54.0	54.5	54.5
GE 4000	42.9	44.3	48.6	51.6	53.7	54.4	56.4	57.9	58.5	58.6
GE 3500	45.5	46.1	51.1	53.9	56.1	57.0	59.5	60.5	61.3	61.5
GE 3000	47.4	48.9	54.5	57.5	59.9	60.9	63.1	64.6	65.4	65.7
GE 2500	49.3	49.9	55.7	58.7	61.3	62.3	64.5	66.1	66.9	67.2
GE 2000	51.2	51.9	57.5	60.9	63.5	64.5	66.9	68.4	69.2	69.5
GE 1800	51.5	52.3	58.5	61.6	64.2	65.2	67.5	69.1	69.9	70.2
GE 1500	54.3	55.4	62.2	65.3	67.9	68.9	71.2	73.4	74.2	74.5
GE 1200	56.7	57.4	65.2	68.5	71.5	72.5	74.9	77.2	78.0	78.3
GE 1000	58.1	59.5	67.5	71.0	74.2	75.4	77.8	80.4	81.1	81.5
GE 900	58.4	59.9	68.0	71.4	74.8	76.0	78.3	80.9	81.7	82.0
GE 800	58.5	60.4	69.0	72.7	76.2	77.5	80.1	82.8	83.5	84.2
GE 700	58.5	59.4	69.0	72.5	76.6	78.5	80.4	83.5	84.5	84.9
GE 600	58.5	59.4	69.0	72.5	76.9	78.8	81.1	83.8	84.5	85.2
GE 500	59.0	59.4	69.9	73.7	78.3	80.4	83.1	85.8	87.8	88.0
GE 400	59.0	59.8	69.9	73.7	78.3	80.4	83.3	86.5	88.3	89.6
GE 300	59.0	59.8	69.9	73.7	78.3	80.4	83.4	86.5	88.6	90.1
GE 200	59.0	59.8	69.9	73.7	78.3	80.4	83.4	86.8	89.0	90.6
GE 100	59.0	59.8	69.9	73.7	78.3	80.4	83.4	86.8	89.1	90.7
GE 000	59.0	59.8	69.9	73.7	78.3	80.4	83.4	86.8	89.1	90.8

TOTAL NUMBER OF OBSERVATIONS 896

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: NOV HOURS: 00-02

CEILING IN METERS

GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
34.7	35.5	35.9	36.0	36.2	36.5	37.1	37.3	37.8	39.1
35.9	37.7	38.2	38.2	38.4	38.7	39.3	39.5	40.1	41.3
35.9	37.7	38.2	38.2	38.4	38.7	39.3	39.5	40.1	41.3
35.9	37.7	38.2	38.2	38.4	38.7	39.3	39.5	40.1	41.3
35.9	37.7	38.2	38.2	38.4	38.7	39.3	39.5	40.1	41.3
37.3	38.1	38.5	38.5	38.7	39.1	39.6	39.8	40.4	41.6
39.2	40.0	40.4	40.4	40.6	41.0	41.5	41.7	42.3	43.5
39.7	40.5	41.0	41.3	41.5	41.9	42.4	42.6	43.2	44.4
42.7	43.8	44.2	44.5	44.8	45.1	45.6	45.9	46.4	47.7
44.0	45.0	45.4	45.8	46.0	46.3	46.9	47.1	47.7	48.9
44.8	45.4	45.9	46.2	46.4	46.8	47.3	47.5	48.1	49.3
48.9	49.2	49.8	49.1	49.3	49.7	50.2	50.4	51.0	52.2
52.7	54.0	54.6	54.9	55.1	55.5	56.0	56.3	56.8	58.0
58.4	57.9	58.6	58.9	59.2	59.6	60.2	60.4	60.9	62.2
59.9	60.5	61.3	61.5	61.9	62.3	62.8	63.1	63.7	65.0
63.1	64.6	65.4	65.7	66.0	66.4	67.0	67.2	67.9	69.1
64.5	66.1	66.9	67.2	67.4	68.0	68.5	68.8	69.4	70.6
68.9	68.4	69.2	69.5	69.8	70.3	70.9	71.1	71.8	73.0
69.5	69.1	69.9	70.2	70.4	71.0	71.5	71.8	72.4	73.7
71.2	73.4	74.2	74.6	74.8	75.3	75.9	76.1	76.8	78.0
74.9	77.2	78.0	78.3	78.7	79.2	79.8	80.0	80.7	81.9
77.8	80.4	81.1	81.5	81.8	82.4	82.9	83.1	83.8	85.0
78.3	80.9	81.7	82.0	82.4	82.9	83.5	83.7	84.4	85.6
80.1	82.8	83.8	84.2	84.5	85.0	85.5	85.8	86.5	87.7
80.8	83.5	84.5	84.8	85.3	85.8	86.4	86.6	87.3	88.5
81.1	83.8	84.8	85.2	85.6	86.2	86.7	86.9	87.6	89.3
88.1	86.3	87.8	88.6	89.2	89.7	90.3	90.6	91.3	92.5
88.3	86.5	88.3	89.6	90.3	90.8	91.5	91.9	92.5	93.8
88.4	86.8	88.6	90.1	91.2	91.9	92.5	92.9	93.5	94.8
88.4	86.8	89.0	90.6	92.2	93.1	94.0	94.6	95.6	97.3
88.4	86.8	89.1	90.8	92.6	93.5	94.5	95.3	96.5	99.9
88.4	86.8	89.1	90.8	92.6	93.5	94.5	95.3	96.5	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 03553 STATION NAME: UPPER HEYFORD RAF UK PERI
LST TO UTC: - 0 MONT

CEILING IN FEET	VISIBILITY IN METERS									
	GE 112	GE 80	GE 50	GE 50	GE 45	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	26.2	26.7	28.5	30.2	31.1	32.1	32.4	32.7	33.0	33.
GE 22000	29.2	29.7	31.0	32.5	33.4	34.4	34.7	35.3	35.6	35.
GE 18000	29.2	29.7	31.0	32.5	33.4	34.4	34.7	35.3	35.6	35.
GE 15000	29.2	29.7	31.0	32.5	33.4	34.4	34.7	35.3	35.6	36.
GE 14000	29.2	29.7	31.0	32.5	33.4	34.4	34.7	35.3	35.6	36.
GE 12000	29.3	29.8	31.1	32.6	33.5	34.5	35.1	35.4	35.7	36.
GE 10000	29.3	29.7	33.1	33.6	34.5	35.5	35.5	36.4	37.3	37.
GE 9000	29.5	29.9	32.8	33.9	34.8	35.9	36.2	37.3	37.3	37.
GE 8000	32.7	32.9	35.7	37.2	38.1	39.2	39.5	40.2	40.5	41.
GE 7000	33.0	33.2	35.3	37.7	38.6	39.6	40.4	40.6	41.1	41.
GE 6000	33.0	33.2	35.7	38.2	39.1	40.2	40.9	41.2	41.6	42.
GE 5000	35.7	36.2	39.2	40.6	42.0	43.1	43.4	44.5	44.7	45.
GE 4500	40.2	40.6	44.1	45.6	46.9	48.4	48.8	49.7	50.1	50.
GE 4000	42.4	42.8	47.3	48.9	50.5	52.1	52.7	53.9	54.2	54.
GE 3500	43.4	43.8	48.3	49.9	51.7	53.3	54.4	55.5	55.7	56.
GE 3000	46.6	46.9	51.9	53.6	55.2	57.0	58.1	59.2	59.6	60.
GE 2500	47.4	47.8	53.0	54.9	56.8	58.6	59.7	60.9	61.3	62.
GE 2000	49.9	50.4	55.9	57.1	59.0	61.0	62.0	64.2	64.6	65.
GE 1800	50.6	51.0	56.6	58.3	60.7	62.9	63.9	65.4	65.8	66.
GE 1500	54.8	55.2	61.3	63.0	66.3	68.1	69.3	70.9	71.3	72.
GE 1200	56.5	57.0	64.1	66.0	69.3	71.2	72.5	73.9	74.4	75.
GE 1000	57.0	58.3	65.6	68.3	71.6	73.7	75.1	76.7	77.2	78.
GE 900	58.2	59.7	66.9	69.3	72.2	74.6	76.0	77.7	78.2	79.
GE 800	58.4	59.2	67.5	71.3	74.4	76.7	78.2	79.8	80.3	81.
GE 700	59.1	59.6	67.9	72.0	75.4	77.7	79.4	81.1	81.6	82.
GE 600	59.1	59.6	67.9	72.0	75.4	77.7	79.4	81.1	81.6	82.
GE 500	59.5	59.9	68.3	72.9	75.9	78.3	81.2	83.3	84.1	85.
GE 400	59.5	59.9	68.5	73.1	77.2	79.5	81.5	83.5	84.7	86.
GE 300	59.5	59.9	68.5	73.1	77.3	79.5	81.7	84.0	85.0	87.
GE 200	59.5	59.9	68.5	73.2	77.6	80.0	82.2	84.4	85.0	88.
GE 100	59.5	59.9	68.5	73.2	77.6	80.0	82.2	84.4	85.0	88.
GE 000	59.5	59.9	68.5	73.2	77.6	80.0	82.2	84.4	85.0	88.

TOTAL NUMBER OF OBSERVATIONS 893

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RECORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 88
MONTH: NOV HOURS: 03-05

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
32.1	32.4	32.7	33.0	33.7	34.0	34.2	34.3	35.5	36.5	37.4
34.4	34.9	35.3	35.5	35.3	35.5	35.7	36.3	38.1	39.1	40.0
34.4	34.9	35.3	35.5	35.3	35.5	35.7	36.3	38.1	39.1	40.0
34.4	34.9	35.3	35.5	35.3	35.6	35.7	36.3	38.1	39.1	40.0
34.4	34.9	35.3	35.5	35.3	35.6	35.7	36.3	38.1	39.1	40.0
34.5	35.1	35.4	35.7	35.4	35.7	35.8	37.0	38.2	39.2	40.1
35.5	35.3	36.5	37.0	37.5	38.0	38.1	38.2	39.4	40.4	41.3
35.5	36.6	37.0	37.3	38.0	38.3	38.4	38.5	39.8	40.8	41.7
37.2	37.9	40.2	40.5	41.2	41.5	41.7	41.8	43.0	44.0	44.9
39.1	40.4	40.5	41.1	41.3	42.1	42.2	42.3	43.5	44.6	45.5
40.2	40.9	41.2	41.5	42.2	42.6	42.7	42.8	44.0	45.0	45.9
43.1	43.3	44.5	44.8	45.5	45.8	45.9	46.0	47.3	48.3	49.2
47.4	47.9	49.7	50.1	50.7	51.1	51.3	51.4	52.6	53.6	54.5
52.1	53.2	53.9	54.2	54.9	55.3	55.7	55.8	57.0	58.0	58.9
53.3	54.4	55.3	55.7	56.3	56.9	57.1	57.2	58.5	59.5	60.4
57.0	58.1	59.2	59.6	60.5	60.9	61.3	61.4	62.6	63.6	64.5
60.5	61.7	62.9	63.3	64.3	64.7	65.2	65.3	66.5	65.5	66.5
61.8	62.9	64.2	64.6	65.6	66.1	66.5	66.6	67.9	68.9	69.9
62.9	63.5	64.8	65.3	66.3	66.7	67.2	67.3	68.5	69.5	70.5
69.1	69.3	70.5	71.0	72.0	72.5	72.9	73.0	74.2	75.3	76.3
71.2	72.5	73.9	74.4	75.4	75.8	76.3	76.4	77.5	78.5	79.5
73.7	75.1	75.7	77.2	78.3	78.7	79.2	79.3	80.5	81.5	82.5
74.5	76.0	77.7	78.2	79.3	79.7	80.2	80.3	81.5	82.5	83.5
76.7	78.2	79.8	80.3	81.5	82.1	82.5	82.6	83.9	84.9	85.9
77.7	79.4	81.1	81.5	82.8	83.5	84.0	84.2	85.4	86.5	87.5
77.7	79.4	81.1	81.5	82.9	83.7	84.1	84.3	85.6	86.6	87.6
89.3	91.2	93.3	94.1	96.1	97.0	97.7	98.0	99.4	90.4	91.4
89.5	91.5	93.8	94.7	96.9	97.8	98.6	98.9	90.4	91.4	92.4
89.5	91.7	94.0	95.0	97.1	98.2	99.0	99.4	90.9	92.2	93.2
90.0	92.2	94.4	96.0	98.5	99.9	90.8	91.2	93.1	94.6	96.5
90.0	92.2	94.4	96.0	98.6	90.3	91.2	91.5	94.0	96.0	99.1
90.0	92.2	94.4	96.0	98.6	90.3	91.2	91.5	94.0	96.0	100.0

OPERATING LOCATION MAP
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 96573 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	1/2	1/2	1/2	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
	1/2	1	1 1/2	2	2 1/2	3	4	5	6	1
NO CEIL	21.8	22.1	25.0	25.4	26.7	27.3	27.5	28.1	28.4	2
20000	24.3	24.4	27.6	28.3	30.4	31.4	31.6	32.5	32.7	33.
15000	24.3	24.4	27.6	28.3	30.4	31.4	31.6	32.5	32.7	33.
10000	24.3	24.4	27.6	28.3	30.4	31.4	31.6	32.5	32.7	33.
9000	24.3	24.4	27.7	28.4	30.9	31.5	31.9	32.5	32.8	33.
8000	24.3	24.5	27.7	28.5	31.0	31.6	32.0	32.7	32.9	33.
7000	25.4	25.7	30.5	31.1	32.7	33.3	33.6	34.5	34.7	35.
6000	27.1	27.5	31.4	32.0	33.5	34.1	34.3	35.5	35.7	36.
5000	29.4	30.4	34.7	35.4	37.2	37.5	37.8	38.9	39.4	39.
4500	30.4	31.4	35.8	36.4	37.6	38.2	38.4	39.7	39.9	41.
4000	30.7	31.1	35.7	36.3	37.7	38.5	38.7	40.0	40.3	41.
3500	32.3	33.4	37.3	38.0	40.7	41.3	41.7	43.2	43.4	43.
3000	34.5	37.9	41.5	42.3	44.7	45.5	45.8	47.5	47.7	47.
2500	34.9	38.4	44.6	45.5	48.1	49.1	49.4	51.3	51.5	52.
2000	38.7	43.1	49.2	50.3	53.1	54.3	54.7	56.5	56.8	58.
1800	41.4	46.7	53.2	54.2	57.4	58.5	58.9	60.5	60.8	62.
1600	42.7	48.6	54.2	55.4	58.7	59.8	60.2	62.0	62.3	63.
1400	44.1	50.4	56.1	57.3	60.7	61.8	62.2	64.1	64.4	65.
1200	45.7	52.2	58.1	59.4	62.9	64.0	64.4	66.3	66.6	67.
1000	47.6	54.1	60.3	61.6	65.1	66.3	66.7	68.7	69.0	70.
900	48.3	55.1	61.4	62.7	66.3	67.5	67.9	69.9	70.2	71.
800	49.1	56.0	62.4	63.7	67.4	68.6	69.0	71.1	71.4	72.
700	50.1	57.1	63.7	65.0	68.7	70.0	70.4	72.4	72.8	73.
600	51.4	58.6	65.3	66.7	70.5	71.8	72.2	74.3	74.6	75.
500	52.4	59.7	66.5	67.9	71.8	73.1	73.5	75.6	76.0	77.
400	54.0	61.5	68.5	69.9	73.9	75.3	75.7	77.9	78.2	79.
300	54.7	62.3	69.4	70.8	74.9	76.3	76.7	78.9	79.3	80.
200	54.7	62.3	69.4	70.8	74.9	76.3	76.7	78.9	79.3	80.
100	54.7	62.3	69.4	70.8	74.9	76.3	76.7	78.9	79.3	80.
000	54.7	62.3	69.4	70.8	74.9	76.3	76.7	78.9	79.3	80.

TOTAL NUMBER OF OBSERVATIONS 809

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] BEYERLAND AAF NY PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 06	GE 04	GE 00
.7	27.3	27.5	28.1	28.4	29.7	29.9	29.1	29.3	29.7	30.7	32.5
.	31.4	31.[illegible]	32.5	32.7	33.0	33.4	33.5	33.7	34.3	35.3	37.0
.	31.4	31.5	32.6	32.7	33.1	33.4	33.5	33.7	34.3	35.3	37.0
.	31.4	31.[illegible]	32.6	32.7	33.1	33.4	33.5	33.7	34.3	35.3	37.0
.	31.5	31.[illegible]	32.6	32.[illegible]	33.1	33.5	33.5	33.9	34.4	35.4	37.2
.	31.6	32.0	32.7	32.[illegible]	33.3	33.6	33.7	33.9	34.5	35.5	37.3
.7	33.3	33.[illegible]	34.5	34.7	35.0	35.4	35.5	35.7	36.3	37.3	39.0
.	34.1	34.[illegible]	35.5	35.7	36.1	36.4	36.5	36.7	37.3	38.3	40.0
.	37.5	38.3	39.0	39.[illegible]	39.[illegible]	39.9	40.0	40.4	40.9	41.9	43.7
.	39.2	39.[illegible]	39.7	39.9	40.4	40.7	40.8	41.2	41.7	42.7	44.5
.	39.5	39.2	40.0	40.3	40.7	41.0	41.2	41.5	42.0	43.0	44.3
.7	41.3	41.[illegible]	43.0	43.4	43.[illegible]	44.2	44.3	44.6	45.2	46.2	47.9
.7	45.5	45.3	47.5	47.8	48.2	48.5	48.7	49.1	49.5	50.7	52.5
.1	49.1	49.[illegible]	51.3	51.5	52.1	52.4	52.5	52.[illegible]	53.4	54.5	56.3
.7	49.[illegible]	50.7	52.5	52.[illegible]	53.4	53.7	53.8	54.2	54.7	55.9	57.6
.	53.5	54.5	56.3	56.5	57.3	57.5	57.7	58.1	58.6	59.7	61.5
.1	59.3	59.2	59.0	59.4	59.1	59.4	59.5	59.[illegible]	60.4	61.5	63.3
.7	58.2	59.1	60.9	61.5	62.2	62.5	62.6	63.0	63.5	64.6	66.4
.	58.3	59.[illegible]	61.7	62.4	63.1	63.4	63.5	63.8	64.4	65.5	67.3
.	63.1	64.4	66.3	67.2	67.9	68.2	68.3	68.6	69.2	70.3	72.1
.1	67.3	68.3	70.3	71.[illegible]	72.0	72.4	72.5	72.9	73.4	74.5	76.3
.	70.5	71.[illegible]	74.0	75.[illegible]	75.[illegible]	76.3	76.4	76.3	77.3	78.4	80.2
.	72.[illegible]	73.5	75.[illegible]	76.[illegible]	77.[illegible]	78.2	78.3	78.[illegible]	79.3	80.4	82.2
.	75.0	75.[illegible]	77.5	77.5	80.4	81.0	81.1	81.5	82.2	83.3	85.1
.	75.[illegible]	77.3	79.5	80.5	81.5	82.1	82.2	82.6	83.3	84.4	86.2
.	76.5	77.3	79.5	81.5	82.5	83.1	83.2	83.6	84.3	85.4	87.3
.	84.1	85.0	87.6	88.5	89.0	89.9	90.1	89.5	91.2	91.3	93.2
.	89.3	90.3	92.2	93.0	93.0	93.2	93.4	93.9	94.3	94.9	96.0
.7	89.4	90.5	92.4	93.4	93.9	94.3	94.5	94.7	95.3	95.9	97.0
.1	91.6	92.9	94.8	95.3	95.7	96.1	96.3	96.5	96.9	97.3	98.2
.1	93.5	94.9	96.8	97.3	97.7	98.0	98.2	98.4	98.7	99.0	99.2
.1	93.6	94.9	96.8	97.3	97.7	98.0	98.4	98.4	98.7	99.0	100.0

OPERATING LOCATION [illegible]
[illegible], ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - [illegible]

CEILING IN FEET	VISIBILITY IN METERS: GE 112[illegible]	GE [illegible]	GE [illegible]	GE [illegible]	GE 4[illegible]	GE 4[illegible]	GE [illegible]2	GE 24[illegible]	GE [illegible]	GE 16[illegible]
NO CEIL	19.	[illegible].1	21.[illegible]	22.[illegible]	23.2	23.7	24.2	24.7	25.[illegible]	2[illegible].
GE [illegible]	[illegible]	[illegible].1	[illegible].4	27.[illegible]	28.4	29.[illegible]	29.[illegible]	3[illegible].3	3[illegible].7	31.
GE 1[illegible]	2[illegible].	[illegible]	27.1	2[illegible].1	29.1	29.7	30.4	31.0	31.3	31.
GE 1[illegible]	24.[illegible]	[illegible]	27.1	28.1	29.1	29.7	30.4	31.0	31.3	31.
GE 14000	24.7	[illegible]	27.[illegible]	[illegible]	29.[illegible]	30.1	[illegible]	31.4	31.	32.
GE 12000	[illegible]	[illegible]	[illegible]	29.[illegible]	30.[illegible]	30.[illegible]	31.[illegible]	32.1	32.4	[illegible]
GE 10000	[illegible]	[illegible].7	[illegible]	31.[illegible]	32.[illegible]	32.[illegible]	33.3	34.[illegible]	[illegible]	34.
GE [illegible]	27.[illegible]	[illegible]	31.2	32.[illegible]	33.[illegible]	33.[illegible]	34.[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	35.[illegible]	37.6	[illegible]	3[illegible].2	3[illegible]	4[illegible].
GE 7000	[illegible]	[illegible].7	[illegible]	3[illegible]	37.0	37.[illegible]	38.7	[illegible]	[illegible].	4[illegible].
GE 6000	[illegible]	[illegible].1	35.[illegible]	36.3	37.[illegible]	3[illegible]	[illegible]	[illegible]	4[illegible].3	4[illegible].
GE [illegible]	[illegible]	[illegible].7	37.1	3[illegible]	39.7	40.[illegible]	41.[illegible]	[illegible].1	[illegible].4	[illegible]3.
GE [illegible]	[illegible]	[illegible]	41.4	43.0	44.4	45.2	4[illegible].1	[illegible]	[illegible].7.[illegible]	47.
GE 4000	[illegible].1	[illegible]	44.[illegible]	45.1	4[illegible].3	4[illegible]	[illegible]	[illegible]	51.[illegible]	[illegible]
GE 3[illegible]	[illegible]	[illegible]1.[illegible]	47.1	4[illegible]	[illegible]	51.7	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible]	52.4	54.7	55.[illegible]	[illegible]7.3	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	51.1	[illegible]3.[illegible]	55.[illegible]	57.[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	4[illegible]	5[illegible]	[illegible]	58.7	[illegible].1	61.[illegible]	[illegible].2	[illegible]	[illegible]
GE 1[illegible]	[illegible]	[illegible]	53.7	5[illegible].4	[illegible].7	[illegible].1	[illegible]	[illegible].3	[illegible]	[illegible]
GE 1[illegible]	[illegible]7.[illegible]	[illegible]	[illegible]7.1	[illegible].3	[illegible]	65.4	[illegible]7.[illegible]	[illegible]	7[illegible]	73.
GE 1[illegible]	[illegible]	[illegible]	[illegible].4	63.1	67.[illegible]	[illegible]	7[illegible]	73.1	7[illegible]	74.
GE 1[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible].4	71.1	73.[illegible]	7[illegible]	75.7	77.
GE [illegible]	[illegible]	[illegible]1.[illegible]	[illegible]	[illegible].1	70.1	71.[illegible]	74.[illegible]	7[illegible].	77.[illegible]	7[illegible].
GE [illegible]00	[illegible]1.[illegible]	[illegible].1	[illegible]2.[illegible]	67.[illegible]	72.7	74.[illegible]	7[illegible]	[illegible]	[illegible]1.7	[illegible]
GE 700	[illegible]1.7	[illegible]	62.[illegible]	[illegible]7.1	73.1	75.3	7[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]00	[illegible]1.7	[illegible]	63.[illegible]	67.2	73.[illegible]	75.6	79.2	[illegible]	[illegible]3.7	[illegible]
GE [illegible]00	[illegible]1.[illegible]	[illegible]2.3	[illegible]3.1	67.[illegible]	73.7	75.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 400	[illegible]1.[illegible]	[illegible].3	63.1	67.[illegible]	74.2	76.[illegible]	[illegible].7	[illegible].1	[illegible]	[illegible]
GE 300	[illegible]1.[illegible]	[illegible]	63.1	67.[illegible]	74.3	77.1	[illegible]1.[illegible]	[illegible]	87.[illegible]	[illegible]
GE 200	[illegible]1.[illegible]	[illegible].3	63.1	67.[illegible]	74.3	77.1	[illegible]1.0	[illegible]	[illegible]7.[illegible]	[illegible]
GE 100	[illegible]	[illegible].3	[illegible]3.1	[illegible]7.[illegible]	74.3	77.1	[illegible]1.[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]
GE [illegible]	[illegible]1.[illegible]	[illegible].3	[illegible]3.1	[illegible]7.[illegible]	74.3	77.1	[illegible]1.[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 73 - JUN 84
MONTH: NOV HOURS: 09-11

CEILING IN HUNDREDS OF FEET / VISIBILITY IN STATUTE MILES	30	25	20	15	12	10	09	08	07	06
	30	25	20	15	12	10	09	08	07	06
[illegible]	24.2	24.7	25.0	25.2	25.5	25.7	25.9	26.1	26.5	27.8
[illegible]	[illegible]	30.2	30.7	31.1	31.4	31.5	31.[illegible]	32.0	32.4	33.8
[illegible]	31.4	31.8	31.8	31.9	32.1	32.2	32.4	32.7	33.1	34.4
[illegible]	[illegible]	31.8	31.8	31.[illegible]	32.1	32.2	32.4	32.7	33.1	34.4
[illegible]	[illegible]	31.4	31.[illegible]	32.2	32.5	32.7	32.9	33.1	33.5	34.9
[illegible]	[illegible]	32.1	32.4	32.9	33.2	33.3	33.5	33.8	34.2	35.5
[illegible]	34.3	34.8	34.8	34.9	35.1	35.2	35.4	35.7	36.1	37.4
[illegible]	[illegible]	35.2	35.5	35.7	36.3	36.4	36.7	36.9	37.3	38.7
[illegible]	[illegible]	39.2	39.5	40.1	40.5	40.7	41.0	41.2	41.7	43.0
[illegible]	39.7	39.4	39.[illegible]	40.3	40.5	41.0	41.2	41.4	41.9	43.2
[illegible]	[illegible]	40.3	40.3	40.7	41.3	41.5	41.8	42.0	42.4	43.8
[illegible]	41.5	42.1	42.4	43.0	43.5	43.8	44.0	44.2	44.7	46.0
[illegible]	[illegible]	45.5	47.2	47.[illegible]	48.3	48.5	48.[illegible]	49.0	49.4	50.8
[illegible]	[illegible]	50.7	51.2	51.[illegible]	52.3	52.5	52.8	53.0	53.4	54.8
[illegible]	[illegible]	54.3	54.[illegible]	55.3	55.5	55.8	56.0	56.2	56.7	58.0
[illegible]	[illegible]	57.3	57.[illegible]	58.4	58.9	59.3	59.5	59.3	61.2	62.6
[illegible]	61.1	61.5	61.9	61.9	62.0	62.4	62.7	63.1	63.3	64.7
[illegible]	[illegible]	63.2	63.7	64.4	65.0	65.4	65.7	65.9	66.3	67.7
[illegible]	[illegible]	64.3	65.[illegible]	65.[illegible]	66.1	66.5	66.[illegible]	67.0	67.4	68.8
[illegible]	[illegible]	69.0	70.2	70.5	71.4	71.9	72.1	72.3	72.8	74.1
[illegible]	73.9	73.1	73.5	74.3	75.0	75.4	75.7	75.9	76.3	77.7
[illegible]	[illegible]	74.9	75.7	77.3	78.0	78.4	78.7	79.0	79.3	80.7
[illegible]	[illegible]	76.[illegible]	77.4	78.2	78.9	79.3	79.6	79.8	80.2	81.6
[illegible]	[illegible]	80.9	81.7	82.3	83.0	83.4	83.7	83.9	84.3	85.7
[illegible]	[illegible]	82.4	83.2	84.0	84.9	85.2	85.4	85.7	86.1	87.4
[illegible]	[illegible]	82.9	83.7	84.4	85.2	85.7	85.9	86.1	86.6	87.9
[illegible]	[illegible]	[illegible]	84.9	[illegible]	86.7	87.2	87.6	87.9	88.3	89.7
[illegible]	88.7	89.1	89.6	90.0	90.3	90.9	91.3	91.3	91.3	93.0
[illegible]	[illegible]	90.9	91.6	92.1	92.6	93.2	91.9	92.6	93.2	94.9
[illegible]	[illegible]	91.9	92.8	93.4	94.2	94.8	95.0	95.3	95.6	97.2
[illegible]	[illegible]	92.9	93.8	94.5	95.3	96.1	96.4	96.7	97.2	99.9
[illegible]	91.0	92.9	93.8	94.6	95.3	96.1	96.4	96.7	97.2	100.0

OPERATING LOCATION NAM
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK [illegible]
LST TO UTC: - 0 [illegible]:

CEILING IN FEET	VISIBILITY IN METERS									
	11[illegible]	[illegible]	3[illegible]	8[illegible]	6[illegible]	4[illegible]	3[illegible]	2[illegible]	1[illegible]	1[illegible]
[illegible] CEIL	19.4	1[illegible].[illegible]	21.[illegible]	22.0	22.[illegible]	23.4	23.7	23.[illegible]	24.1	24.[illegible]
2[illegible]	2[illegible].[illegible]	2[illegible].2	2[illegible].0	2[illegible].4	29.6	30.3	31.[illegible]	31.1	31.4	31.7
1[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	2[illegible].6	29.0	30.1	30.[illegible]	31.[illegible]	31.7	32.[illegible]	32.[illegible]
1[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	2[illegible].6	29.0	30.1	30.[illegible]	31.[illegible]	31.7	32.[illegible]	32.[illegible]
14[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	2[illegible].[illegible]	29.0	30.1	30.9	31.[illegible]	31.7	32.[illegible]	32.[illegible]
12[illegible]	27.4	27.7	3[illegible].[illegible]	31.1	32.2	33.0	33.6	33.[illegible]	34.1	34.[illegible]
1[illegible]	2[illegible].[illegible]	2[illegible].7	3[illegible].7	33.5	34.4	35.3	35.[illegible]	35.1	35.4	35.7
[illegible]	2[illegible].[illegible]	3[illegible].1	33.1	33.[illegible]	34.[illegible]	35.[illegible]	35.[illegible]	36.[illegible]	36.[illegible]	37.1
[illegible]	32.1	32.[illegible]	3[illegible].2	37.2	38.4	39.3	39.[illegible]	40.1	40.[illegible]	40.[illegible]
7[illegible]	32.4	32.7	3[illegible].7	37.7	3[illegible].[illegible]	39.3	40.[illegible]	40.[illegible]	41.[illegible]	41.[illegible]
[illegible]	32.[illegible]	3[illegible].1	37.1	37.[illegible]	38.[illegible]	40.4	41.[illegible]	41.2	41.7	42.[illegible]
[illegible]	4[illegible].[illegible]	4[illegible].[illegible]	4[illegible].1	41.3	42.7	43.7	44.[illegible]	44.[illegible]	45.[illegible]	45.[illegible]
[illegible]	4[illegible].[illegible]	4[illegible].[illegible]	43.9	44.1	45.4	47.[illegible]	47.1	48.2	48.[illegible]	48.[illegible]
4[illegible]	4[illegible].[illegible]	41.4	47.[illegible]	4[illegible].[illegible]	51.3	52.4	53.1	53.4	53.[illegible]	54.3
[illegible]	3[illegible].[illegible]	4[illegible].[illegible]	4[illegible].[illegible]	4[illegible].[illegible]	52.4	53.[illegible]	54.[illegible]	55.[illegible]	56.[illegible]	56.[illegible]
[illegible]	3[illegible].[illegible]	4[illegible].7	4[illegible].[illegible]	4[illegible].[illegible]	50.[illegible]	4[illegible].[illegible]	52.4	53.2	53.[illegible]	54.[illegible]
[illegible]	[illegible].[illegible]	4[illegible].7	4[illegible].[illegible]	[illegible].[illegible]	5[illegible].1	6[illegible].[illegible]	6[illegible].[illegible]	6[illegible].[illegible]	6[illegible].[illegible]	6[illegible].[illegible]
[illegible]	[illegible].[illegible]	[illegible].[illegible]	5[illegible].4	6[illegible].[illegible]	6[illegible].4	6[illegible].[illegible]	6[illegible].[illegible]	7[illegible].4	7[illegible].[illegible]	7[illegible].[illegible]
1[illegible]	4[illegible].[illegible]	5[illegible].[illegible]	5[illegible].[illegible]	6[illegible].4	6[illegible].[illegible]	6[illegible].3	7[illegible].1	7[illegible].[illegible]	7[illegible].[illegible]	7[illegible].1
1[illegible]	4[illegible].[illegible]	5[illegible].1	5[illegible].1	7[illegible].[illegible]	7[illegible].[illegible]	7[illegible].[illegible]	7[illegible].[illegible]	7[illegible].7	7[illegible].2	7[illegible].[illegible]
1[illegible]	4[illegible].1	5[illegible].[illegible]	7[illegible].[illegible]	7[illegible].[illegible]	7[illegible].7	7[illegible].4	[illegible].[illegible]	[illegible].1	[illegible].7	[illegible].[illegible]
[illegible]	[illegible].[illegible]	[illegible].7	71.[illegible]	7[illegible].7	[illegible].2	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
[illegible]	[illegible].[illegible]	[illegible].[illegible]	71.5	7[illegible].2	[illegible].[illegible]	[illegible].3	[illegible].[illegible]	[illegible].4	7.1	
[illegible]	[illegible].[illegible]	[illegible].[illegible]	72.1	7[illegible].[illegible]	[illegible].1	[illegible].2	[illegible].1	[illegible].7	[illegible].[illegible]	[illegible].[illegible]
7[illegible]	[illegible].[illegible]	[illegible].[illegible]	72.1	7[illegible].[illegible]	[illegible].2	[illegible].7	[illegible].7	[illegible].[illegible]	[illegible].3	[illegible].[illegible]
[illegible]	[illegible].[illegible]	[illegible].[illegible]	72.2	7[illegible].[illegible]	[illegible].4	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
[illegible]	[illegible].4	[illegible].[illegible]	72.4	7[illegible].1	[illegible].4	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	81.7	[illegible].[illegible]
[illegible]	[illegible].[illegible]	[illegible].[illegible]	72.4	7[illegible].1	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
[illegible]	[illegible].4	[illegible].[illegible]	72.4	7[illegible].1	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].1	[illegible].1
[illegible]	[illegible].4	[illegible].[illegible]	72.4	7[illegible].1	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
[illegible]	[illegible].4	[illegible].[illegible]	72.4	7[illegible].1	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
[illegible]	[illegible].4	[illegible].[illegible]	72.4	7[illegible].1	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]

TOTAL [illegible] OF OBSERVATIONS [illegible]

[illegible] - 2 - [illegible]

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	23.4	23.7	23.8	24.1	24.2	24.2	24.2	24.3	24.4	24.7	24.9
[illegible]	30.3	30.8	31.1	31.4	31.7	31.7	31.7	31.9	32.0	32.2	32.6
[illegible]	30.9	31.4	31.7	32.0	32.2	32.2	32.2	32.4	32.6	32.8	33.1
[illegible]	30.9	31.4	31.7	32.0	32.2	32.2	32.2	32.4	32.6	32.8	33.1
[illegible]	30.9	31.4	31.7	32.0	32.2	32.2	32.2	32.4	32.6	32.8	33.1
[illegible]	33.0	33.5	33.8	34.1	34.3	34.3	34.3	34.6	34.7	34.9	35.2
[illegible]	35.3	35.9	36.1	36.4	36.7	36.7	36.7	36.9	37.0	37.2	37.5
[illegible]	35.8	36.3	36.6	36.9	37.1	37.1	37.1	37.3	37.4	37.7	38.0
.4	39.3	39.9	40.1	40.6	40.9	41.1	41.1	41.3	41.4	41.7	42.0
[illegible]	39.3	40.3	40.6	41.0	41.3	41.6	41.6	41.8	41.9	42.1	42.4
[illegible]	40.4	41.0	41.2	41.7	42.0	42.2	42.2	42.4	42.6	42.8	43.1
.7	43.7	44.3	44.6	45.0	45.4	45.7	45.7	45.9	46.0	46.2	46.6
[illegible]	47.4	48.1	48.3	48.8	49.2	49.4	49.4	49.7	49.8	50.0	50.3
[illegible]	52.4	53.1	53.4	53.9	54.3	54.6	54.6	54.8	54.9	55.1	55.4
[illegible]	55.9	56.6	57.0	57.4	58.0	58.2	58.2	58.4	58.6	58.8	59.1
[illegible]	62.4	63.2	63.6	64.2	64.8	65.0	65.0	65.2	65.3	65.6	65.9
[illegible]	64.0	64.8	65.3	65.8	66.3	66.6	66.7	66.9	67.0	67.2	67.6
[illegible]	68.3	69.0	70.4	71.0	71.6	71.8	71.9	72.1	72.2	72.4	72.8
[illegible]	69.3	70.1	71.0	71.6	72.1	72.3	72.4	72.7	72.9	73.0	73.3
[illegible]	75.3	76.6	77.7	78.2	78.9	79.1	79.2	79.4	79.6	79.8	80.1
[illegible]	79.4	80.9	82.1	82.7	83.3	83.6	83.7	83.9	84.0	84.2	84.6
[illegible]	82.0	83.4	85.0	85.6	86.2	86.4	86.6	86.8	86.9	87.1	87.4
[illegible]	82.9	84.3	86.9	86.4	87.1	87.3	87.4	87.7	87.8	88.0	88.3
.1	84.2	86.1	87.7	88.2	88.9	89.2	89.3	89.6	89.7	89.9	90.2
[illegible]	84.7	86.7	88.6	89.3	90.0	90.3	90.4	90.7	90.8	91.0	91.3
[illegible]	84.9	87.0	89.0	89.8	90.4	90.8	90.9	91.1	91.2	91.4	91.8
[illegible]	90.0	91.3	92.0	91.7	92.3	92.7	93.0	93.2	93.3	93.6	93.9
[illegible]	90.6	92.0	92.0	92.9	93.9	94.7	95.0	95.2	95.4	95.9	96.3
[illegible]	91.6	93.0	93.2	93.1	94.1	95.1	95.6	95.8	96.1	96.6	97.3
[illegible]	91.6	93.0	93.3	93.2	94.3	95.3	95.8	96.0	96.6	97.3	98.3
[illegible]	91.6	93.0	93.3	93.2	94.3	95.3	95.8	96.0	96.6	97.3	100.0
[illegible]	91.6	93.0	93.3	93.2	94.3	95.3	95.8	96.0	96.6	97.3	100.0

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE BY CEILING AND VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13553 STATION NAME: UPPER HOYEMORE RAP JK PERIOD OF RECORD:
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	16	11	7	5	3	2	1	1/2	1/4	0
	11	7	5	3	2	1	1/2	1/4	0	
NO CEIL	19.2	19.7	22.0	22.4	24.1	24.3	24.7	24.9	24.9	25.2
22000	25.1	25.6	28.7	29.0	30.8	31.1	31.4	32.1	32.1	32.5
18000	25.1	25.6	28.7	29.0	30.8	31.1	31.3	32.1	32.1	32.3
16000	25.1	25.6	28.7	29.0	30.8	31.1	31.4	32.1	32.1	32.3
14000	25.2	25.7	28.8	29.1	31.0	31.2	32.0	32.2	32.2	32.4
12000	25.3	25.8	28.9	29.2	31.7	32.1	32.9	33.2	33.2	33.4
10000	27.1	27.5	31.1	31.5	33.5	33.9	34.5	35.0	35.0	35.2
9000	27.5	28.1	31.5	32.0	34.0	34.3	35.1	35.4	35.4	35.7
8000	30.3	31.1	35.3	36.0	38.1	38.5	39.4	39.9	40.0	40.2
7000	31.1	31.9	36.1	36.7	38.9	39.4	40.2	40.9	40.9	41.0
6000	31.3	32.1	36.4	37.1	39.2	39.7	40.5	41.2	41.1	41.3
5000	34.7	35.4	40.5	41.3	43.7	44.2	45.1	45.4	45.5	45.8
4500	37.5	38.3	44.4	45.1	47.5	48.1	49.9	49.6	49.7	50.0
4000	42.4	43.3	49.7	50.7	53.3	53.9	54.7	55.3	55.5	55.8
3500	46.1	47.2	53.2	54.1	57.0	57.6	58.5	59.1	59.2	59.5
3000	49.6	50.7	57.1	58.5	61.5	62.1	63.0	63.3	63.3	63.6
2500	53.1	54.1	61.0	62.5	66.9	67.5	68.3	68.4	68.5	68.8
2000	54.3	55.5	65.1	66.3	73.3	74.1	75.4	75.4	75.5	76.1
1800	54.5	55.9	65.5	66.7	74.1	74.9	76.2	77.2	77.3	77.9
1600	56.1	57.2	70.3	73.1	78.3	79.5	81.4	82.5	82.5	83.1
1200	58.4	59.3	72.4	76.4	81.5	82.4	84.5	86.7	86.9	86.9
1000	59.3	60.5	73.5	76.5	83.1	83.9	86.4	87.5	87.8	88.1
900	59.1	60.5	74.1	77.2	83.7	84.5	87.3	88.5	88.5	89.1
800	59.1	60.5	74.2	77.5	84.3	85.3	88.2	89.4	89.5	90.1
700	59.1	60.5	74.5	78.2	85.1	86.1	89.0	90.0	90.3	90.9
600	59.1	60.5	74.7	78.4	85.4	86.6	89.4	90.4	91.1	91.8
500	59.1	60.5	74.8	78.5	85.9	87.1	89.9	91.2	91.9	92.7
400	59.1	60.5	74.8	78.5	86.0	87.3	90.2	91.5	92.2	93.1
300	59.1	60.5	74.8	78.5	86.1	87.4	90.4	91.9	92.6	93.4
200	59.1	60.5	74.8	78.5	86.1	87.4	90.4	91.9	92.6	93.8
100	59.1	60.5	74.8	78.5	86.1	87.4	90.4	91.9	92.6	93.8
000	59.1	60.5	74.8	78.5	86.1	87.4	90.4	91.9	92.8	93.8

TOTAL NUMBER OF OBSERVATIONS 392

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 86
MONTH: NOV HOURS: 15-17

CEILING IN METERS										
VISIBILITY IN METERS										
GE 45	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
24.3	24.7	24.9	24.9	25.2	25.2	25.2	25.2	25.3	25.6	25.7
31.1	31.[illegible]	32.1	32.1	32.3	32.3	32.3	32.4	32.5	32.9	33.0
31.1	31.3	32.1	32.1	32.3	32.3	32.3	32.4	32.5	32.9	33.0
31.1	31.[illegible]	32.1	32.1	32.3	32.3	32.3	32.4	32.5	32.9	33.0
32.2	32.0	32.2	32.2	32.4	32.4	32.4	32.5	32.6	33.0	33.1
33.1	32.9	33.2	33.2	33.4	33.4	33.4	33.5	33.6	34.0	34.1
34.8	34.6	35.0	35.0	35.2	35.2	35.2	35.3	35.4	35.7	35.9
34.3	35.1	35.4	35.4	35.6	35.6	35.7	35.9	36.1	36.4	36.5
[illegible]	39.4	39.9	40.0	40.2	40.2	40.3	40.4	40.6	41.0	41.1
[illegible]	41.2	40.6	40.7	41.0	41.0	41.1	41.2	41.4	41.8	41.9
39.7	40.5	41.0	41.1	41.3	41.3	41.4	41.5	41.8	42.1	42.2
44.2	45.1	45.4	45.5	45.8	45.8	45.9	46.0	46.2	46.5	46.7
[illegible].1	49.9	49.6	49.7	50.0	50.0	50.1	50.2	50.4	50.8	50.9
53.9	54.7	55.3	55.5	55.8	55.8	55.9	56.0	56.2	56.6	56.7
57.6	58.5	59.1	59.2	59.5	59.5	59.7	59.8	60.0	60.4	60.5
[illegible].1	66.0	66.9	67.0	67.4	67.4	67.5	67.6	67.8	68.2	68.3
67.5	68.5	69.4	69.5	69.8	69.8	69.9	70.0	70.3	70.6	70.7
74.1	75.4	76.4	76.5	76.8	76.8	76.9	77.1	77.3	77.6	77.7
74.3	75.2	77.2	77.3	77.6	77.6	77.7	77.8	78.1	78.4	78.5
79.6	81.4	82.5	82.6	83.0	83.0	83.1	83.2	83.4	83.7	83.9
82.4	84.5	85.7	85.9	86.2	86.2	86.3	86.4	86.6	87.0	87.1
87.8	88.4	89.4	89.6	89.8	89.8	89.8	89.9	89.9	89.9	89.9
88.6	89.3	89.5	89.6	89.9	89.9	89.9	90.0	90.2	90.5	90.6
89.1	89.8	90.0	90.3	90.8	90.8	90.9	91.0	91.2	91.5	91.6
91.6	91.4	91.8	92.1	92.3	92.3	92.4	92.5	92.7	92.8	92.8
92.1	92.9	93.2	93.3	93.7	93.8	93.8	93.9	94.0	94.1	94.1
92.3	93.2	93.5	93.7	94.1	94.2	94.3	94.4	94.6	95.1	95.2
92.4	93.4	93.9	94.2	94.9	95.1	95.4	95.5	96.0	96.3	96.4
92.4	93.4	93.9	94.2	94.9	95.2	95.8	96.0	97.0	97.3	98.8
92.4	93.4	93.9	94.2	94.9	95.2	95.9	96.1	97.1	98.0	100.0
92.4	93.4	93.9	94.2	94.9	95.2	95.9	96.1	97.1	98.0	100.0

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	≥ 11 2	≥ 8 0	≥ 4 8	≥ 3 2	≥ 2 4	≥ 1 6	≥ 1 0	≥ 8	≥ 6	≥ 4
NO CEIL	27.9	28.5	30.1	30.5	32.0	32.9	33.0	33.3	33.4	33.5
≥ 20000	31.4	32.4	34.5	34.8	36.4	37.4	37.7	38.1	38.3	38.4
≥ 18000	31.9	32.6	34.5	34.9	36.4	37.4	37.7	38.1	38.3	38.4
≥ 15000	31.9	32.6	34.5	34.9	36.4	37.4	37.7	38.1	38.3	38.4
≥ 14000	31.9	32.6	34.5	34.9	36.4	37.4	37.7	38.1	38.3	38.4
≥ 12000	32.0	32.7	34.9	35.4	36.8	37.8	38.2	38.6	38.7	38.9
≥ 10000	32.	33.6	35.2	35.5	38.1	39.1	39.4	39.8	40.0	40.1
≥ 9000	33.1	33.7	35.5	37.0	38.4	39.5	39.9	40.3	40.5	40.7
≥ 8000	35.0	37.5	40.3	40.8	42.6	43.7	44.0	44.4	44.6	44.8
≥ 7000	37.4	38.3	41.1	41.5	43.3	44.5	44.8	45.2	45.4	45.
≥ 6000	37.4	38.3	41.1	41.5	43.3	44.5	44.8	45.2	45.4	45.
≥ 5000	40.0	41.4	44.5	45.1	46.9	48.0	48.4	48.8	49.0	49.2
≥ 4500	43.7	44.7	47.9	48.5	50.4	52.1	52.4	52.8	53.0	53.2
≥ 4000	47.7	48.7	52.0	53.3	55.3	57.0	57.3	57.8	58.0	58.2
≥ 3500	50.5	51.7	55.7	56.7	58.5	60.7	61.0	62.2	62.4	62.6
≥ 3000	54.1	55.3	59.2	61.0	64.4	65.8	66.3	67.4	67.6	67.8
≥ 2500	56.1	56.8	62.2	63.2	66.4	68.1	68.5	69.7	70.0	70.2
≥ 2000	58.5	59.7	66.2	67.5	71.4	72.8	73.3	74.5	74.7	75.0
≥ 1800	59.2	60.2	66.7	68.2	72.2	73.8	74.2	75.4	75.6	75.8
≥ 1500	61.4	62.7	70.4	72.1	77.0	78.6	79.4	80.5	81.0	81.2
≥ 1200	62.7	64.2	72.5	74.5	80.0	81.6	82.4	83.7	84.2	84.4
≥ 1000	63.7	65.3	74.2	76.5	82.6	84.3	85.3	87.2	87.6	87.8
≥ 900	64.3	65.9	74.9	76.8	83.0	85.1	86.1	87.5	88.1	88.3
≥ 800	64.4	65.7	74.9	77.2	83.4	86.0	87.0	88.0	88.4	88.6
≥ 700	64.4	65.7	75.1	77.7	85.0	87.1	88.4	90.4	90.7	91.0
≥ 600	64.4	65.7	75.1	77.7	85.0	87.1	88.6	90.6	90.9	91.2
≥ 500	64.5	66.0	75.5	78.4	85.5	87.9	89.4	91.5	92.0	92.3
≥ 450	64.6	66.0	75.6	78.4	85.9	88.0	89.5	92.3	92.8	93.1
≥ 400	64.6	66.0	75.6	78.4	85.9	88.0	89.5	92.3	92.8	93.1
≥ 300	64.6	66.0	75.6	78.4	85.9	88.0	89.5	92.3	92.8	93.1
≥ 200	64.6	66.0	75.6	78.4	85.9	88.0	89.5	92.3	92.8	93.1
≥ 100	64.6	66.0	75.6	78.4	85.9	88.0	89.5	92.3	92.8	93.1
≥ 000	64.6	66.0	75.6	78.4	85.9	88.0	89.5	92.3	92.8	93.1

TOTAL NUMBER OF OBSERVATIONS 893

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HOYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: NOV HOURS: 18-20

CEILING IN FEET / VISIBILITY IN METERS	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	32.9	33.0	33.3	33.4	33.5	33.5	33.5	33.5	33.6	33.6	33.8
	37.4	37.7	38.1	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.7
	37.4	37.7	38.1	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.7
	37.4	37.7	38.1	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.7
	37.4	37.7	38.1	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.7
	37.8	38.2	38.5	38.7	38.9	38.9	38.9	38.9	39.0	39.0	39.2
	39.1	39.4	39.8	40.0	40.1	40.1	40.1	40.1	40.2	40.2	40.4
	39.5	39.9	40.5	40.8	40.9	40.9	40.9	40.9	41.0	41.0	41.2
	43.7	44.0	44.7	44.9	45.0	45.0	45.0	45.0	45.1	45.2	45.5
	44.5	44.8	45.6	45.7	45.8	45.8	45.8	45.8	45.9	46.0	46.2
	44.5	44.8	45.5	45.7	45.8	45.8	45.8	45.8	45.9	46.0	46.2
	48.0	48.4	49.3	49.5	49.6	49.7	49.7	49.7	49.8	49.9	50.2
	52.1	52.4	53.3	53.5	53.6	53.8	53.8	53.8	53.9	54.0	54.2
	57.0	57.3	58.5	58.7	58.8	58.9	58.9	58.9	59.0	59.1	59.4
	60.7	61.0	62.2	62.4	62.5	62.7	62.7	62.7	62.8	62.9	63.2
	65.3	65.3	67.4	67.6	68.1	68.3	68.3	68.3	68.4	68.5	68.8
	68.1	68.5	69.7	69.9	70.4	70.7	70.7	70.7	70.8	70.9	71.1
	72.9	73.3	74.5	74.7	75.3	75.5	75.5	75.5	75.7	75.8	76.0
	73.8	74.2	75.4	75.6	76.1	76.4	76.4	76.4	76.6	76.7	76.9
	79.6	79.4	80.6	81.0	81.5	81.7	81.7	81.7	82.0	82.1	82.3
	84.5	82.4	83.7	84.0	84.5	84.8	84.8	84.8	85.0	85.1	85.3
	84.5	85.5	87.2	87.5	88.1	88.4	88.4	88.4	88.6	88.7	88.9
	85.1	86.1	87.8	88.1	88.7	88.9	88.9	88.9	89.1	89.2	89.5
	86.0	87.0	89.0	89.4	90.0	90.3	90.3	90.3	90.5	90.6	90.8
	87.1	88.4	90.4	90.7	91.4	91.6	91.6	91.6	91.8	91.9	92.2
	87.1	88.6	90.6	90.9	91.8	92.2	92.2	92.2	92.4	92.5	92.7
	87.7	89.4	91.5	92.0	93.4	93.7	93.7	93.7	94.0	94.1	94.3
	88.0	89.8	92.0	92.6	94.2	94.8	95.0	95.0	95.2	95.3	95.5
	88.0	89.5	92.3	92.8	94.4	95.3	95.5	95.6	96.1	96.2	96.4
	88.0	89.5	92.3	92.8	94.5	95.4	95.6	95.7	96.9	97.3	98.3
	88.0	89.5	92.3	92.8	94.5	95.9	96.2	96.3	97.5	98.0	100.0
	88.0	89.5	92.3	92.8	94.5	95.9	96.2	96.3	97.5	98.0	100.0

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

STATION NUMBER: 365*3?2? -/A/AMN NAMEO JNNEJ ENOMJO JAO US   NTJAMO
J A AM OAAS &   MMNA &

AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

AEAJANE	EA A AJAA AN MEAEJ									
NO CEIL	27.4	27.7	29.3	30.1	31.6	32.2	32.8	33.5	33.5	33.7
GE 20000	30.1	30.4	32.4	33.2	35.1	35.8	36.4	37.1	37.1	37.4
GE 18000	30.1	30.4	32.4	33.2	35.1	35.8	36.4	37.1	37.1	37.4
GE 16000	30.1	30.4	32.4	33.2	35.1	35.8	36.4	37.1	37.1	37.4
GE 14000	30.1	30.4	32.4	33.2	35.1	35.8	36.4	37.1	37.1	37.4
GE 12000	30.4	30.7	33.0	33.7	35.5	36.3	37.0	37.7	37.7	38.[illegible]
GE 10000	31.4	31.7	34.0	35.3	37.7	38.3	39.0	39.7	39.7	40.0
GE 9000	31.7	32.1	35.0	35.1	38.0	38.8	39.6	40.3	40.3	40.7
GE 8000	32.3	35.4	38.7	40.0	42.5	43.4	44.1	45.1	45.1	45.7
GE 7000	35.0	35.3	39.6	40.7	43.4	44.2	45.0	45.0	45.0	46.[illegible]
GE 6000	36.5	37.2	40.2	41.5	44.0	44.9	45.7	45.7	46.7	47.3
GE 5000	38.[illegible]	39.[illegible]	42.5	43.[illegible]	45.3	47.2	47.9	49.2	49.[illegible]	4[illegible]
GE 4500	42.1	42.[illegible]	46.[illegible]	47.5	50.7	51.6	52.4	53.5	53.7	54.3
GE 4000	4[illegible].4	[illegible]	50.7	52.5	55.6	56.5	57.3	[illegible]	[illegible]	59.4
GE 3500	48.7	4[illegible].2	53.3	55.1	58.2	59.2	60.0	61.[illegible]	61.6	62.[illegible]
GE 3000	51.1	51.8	55.5	56.5	62.0	63.2	64.0	65.5	65.5	66.[illegible]
GE 2500	53.4	54.0	59.2	61.1	64.7	66.0	66.[illegible]	68.3	68.4	[illegible]
GE 2000	55.	5[illegible].3	62.3	64.[illegible]	6[illegible].5	69.[illegible]	70.7	72.2	72.3	73.4
GE 1800	56.4	57.[illegible]	63.1	65.7	69.4	70.7	71.5	73.0	73.1	74.[illegible]
GE 1500	58.[illegible]	59.4	65.[illegible]	68.7	72.7	74.1	75.0	75.6	7[illegible]	77.[illegible]
GE 1200	61.1	61.7	68.5	71.5	75.9	77.2	7[illegible].1	[illegible]	80.1	81.[illegible]
GE 1000	62.[illegible]	63.5	70.5	73.7	78.4	80.1	81.0	82.9	83.0	84.4
GE 900	63.0	63.4	70.7	74.[illegible]	79.1	81.0	82.0	83.9	84.0	85.4
GE 800	63.7	64.2	71.5	75.4	80.3	82.2	83.2	85.3	85.5	[illegible]
GE 700	64.[illegible]	[illegible]	72.[illegible]	76.2	81.5	83.5	84.8	86.[illegible]	87.3	8[illegible].7
GE 600	64.0	64.5	72.3	76.3	81.6	83.7	85.1	87.3	87.7	[illegible].2
GE 500	64.1	64.7	72.5	76.8	82.1	84.4	85.9	88.0	89.1	9[illegible].6
GE 400	64.1	64.7	72.5	76.9	82.3	84.6	85.5	88.9	90.3	92.4
GE 300	64.2	64.8	72.7	76.9	82.5	84.7	85.8	89.7	91.1	9[illegible].4
GE 200	64.2	64.[illegible]	72.7	76.9	82.5	84.7	85.8	89.9	91.3	93.9
GE 100	64.2	64.8	72.7	76.9	82.5	84.7	85.3	89.9	91.3	94.2
GE 000	64.2	64.8	72.7	76.9	82.5	84.7	85.[illegible]	89.9	91.3	94.2

TOTAL NUMBER OF OBSERVATIONS 895

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NEJ LNOMJO JAO OE NEJAMO MO JEAMJOE JOJ NE JON EE
MMNA & NME MOJ & EJ EJ

AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

EA A AJAA AN MEAEJ

32.2	32.6	33.5	33.5	33.7	33.9	33.9	34.0	34.4	34.6	35.5
35.9	36.4	37.1	37.1	37.4	37.5	37.5	37.7	38.1	38.3	39.2
35.9	36.4	37.1	37.1	37.4	37.5	37.5	37.7	38.1	38.3	39.2
35.9	36.4	37.1	37.1	37.4	37.5	37.5	37.7	38.1	38.3	39.2
35.9	36.4	37.1	37.1	37.4	37.5	37.5	37.7	38.1	38.3	39.2
36.3	37.0	37.7	37.7	38.0	38.1	38.1	38.2	38.7	38.9	39.8
38.3	39.0	39.7	39.7	40.0	40.1	40.1	40.2	40.7	40.9	41.8
39.3	39.6	40.3	40.3	40.9	41.1	41.1	41.2	41.7	41.9	42.8
43.4	44.1	45.1	45.1	45.7	45.9	45.9	46.0	46.5	46.7	47.6
44.2	45.0	46.0	46.0	46.6	46.8	46.8	46.9	47.4	47.6	48.5
44.9	45.7	46.7	46.7	47.3	47.5	47.5	47.6	48.0	48.3	49.2
47.2	47.9	49.2	49.3	49.9	50.1	50.1	50.2	50.6	50.9	51.7
51.6	52.4	53.6	53.7	54.3	54.5	54.5	54.6	55.1	55.3	56.2
56.5	57.3	58.8	58.9	59.4	59.7	59.7	59.8	60.2	60.4	61.3
59.2	60.0	61.5	61.6	62.3	62.7	62.7	62.8	63.2	63.5	64.4
63.2	64.0	65.5	65.6	66.6	66.9	66.9	67.0	67.5	67.8	68.7
65.0	66.2	68.3	68.4	69.5	69.8	69.8	69.9	70.5	70.7	71.6
69.9	70.7	72.2	72.3	73.4	73.7	73.7	73.9	74.4	74.6	75.5
70.7	71.5	73.0	73.1	74.2	74.5	74.6	74.7	75.3	75.5	76.4
74.1	75.0	76.6	76.8	77.9	78.3	78.4	78.5	79.1	79.3	80.2
77.2	78.1	80.0	80.1	81.3	81.8	81.9	82.0	82.6	82.8	83.7
80.1	81.0	82.9	83.0	84.4	84.8	85.0	85.1	85.7	85.9	86.8
81.0	82.0	83.9	84.0	85.4	85.9	86.0	86.1	86.7	86.9	87.8
82.2	83.2	85.3	85.5	86.9	87.4	87.6	87.7	88.3	88.5	89.4
83.5	84.8	86.8	87.3	88.7	89.2	89.4	89.5	90.1	90.3	91.2
83.7	85.1	87.3	87.7	89.2	89.7	89.9	90.1	90.6	90.8	91.7
84.4	85.9	88.0	89.1	90.6	91.2	91.5	91.6	92.2	92.4	93.3
84.6	85.6	88.9	90.3	92.4	93.0	93.3	93.6	94.2	94.4	95.3
84.7	85.8	89.7	91.1	93.4	94.0	94.3	94.6	95.4	95.6	96.8
84.7	86.3	89.9	91.3	93.9	94.6	95.3	95.6	96.4	97.0	98.7
84.7	86.3	89.9	91.3	94.2	95.0	95.6	96.0	96.9	97.5	100.0
84.7	86.3	89.9	91.3	94.2	95.0	95.6	96.0	96.9	97.5	100.0

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 03553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	GT 112	GE 80	GE 60	GE 50	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	23.7	24.0	26.1	26.9	28.1	28.7	29.1	29.6	29.8	30.3
GE 20000	27.3	27.7	30.2	31.1	32.5	33.1	33.5	34.3	34.5	34.7
GE 18000	27.4	27.8	30.4	31.2	32.6	33.3	33.7	34.4	34.7	34.9
GE 15000	27.4	27.9	30.4	31.2	32.6	33.3	33.7	34.4	34.7	34.9
GE 14000	27.5	27.9	30.5	31.3	32.7	33.4	34.0	34.5	34.7	35.0
GE 12000	28.0	28.4	31.1	31.9	33.4	34.0	34.7	35.2	35.4	35.7
GE 10000	29.2	29.6	32.7	33.6	35.1	35.7	36.4	36.9	37.2	37.5
GE 9000	29.7	30.1	33.2	34.2	35.6	36.3	37.1	37.6	37.9	38.2
GE 8000	30.1	30.5	33.6	34.7	36.3	40.1	40.9	41.5	41.8	42.2
GE 7000	33.2	33.7	37.3	38.3	40.0	40.4	41.5	42.2	42.5	42.9
GE 6000	33.6	34.1	37.7	38.8	40.4	41.2	41.9	42.6	42.9	43.3
GE 5000	35.9	36.4	42.6	41.6	43.4	44.2	44.9	45.6	45.9	46.3
GE 4500	39.6	40.0	44.6	45.8	47.2	48.7	49.5	50.4	50.7	51.1
GE 4000	42.6	43.2	48.2	49.3	52.0	53.3	54.0	54.8	55.3	55.7
GE 3500	44.5	45.3	50.6	52.2	54.5	55.7	56.7	57.4	57.8	58.2
GE 3000	47.9	48.5	54.1	56.5	59.3	60.5	61.6	62.3	63.1	63.7
GE 2500	49.1	49.9	56.1	58.2	61.2	62.4	63.9	64.7	65.1	65.
GE 2000	51.5	52.3	59.2	61.5	65.2	66.3	67.9	68.8	69.2	69.
GE 1800	52.1	52.9	60.3	62.3	65.7	67.0	68.2	69.0	70.0	70.4
GE 1500	54.3	55.7	63.7	66.4	70.3	71.6	73.1	74.7	75.1	75.4
GE 1200	56.7	57.5	66.2	69.3	73.5	75.0	76.4	77.3	77.8	78.4
GE 1000	58.9	59.7	68.8	71.2	76.0	77.7	79.3	81.2	81.7	82.
GE 900	59.5	60.1	69.4	71.8	76.8	78.5	80.3	82.2	82.7	83.4
GE 800	59.7	60.5	69.4	73.0	78.3	80.2	82.1	84.2	84.7	85.5
GE 700	60.4	60.6	69.7	73.4	79.0	81.1	83.1	85.3	85.9	86.7
GE 600	60.4	60.7	69.8	73.6	79.3	81.4	83.5	85.7	86.4	87.3
GE 500	60.9	61.2	70.2	74.1	80.2	82.4	84.7	87.2	88.1	88.9
GE 400	60.9	61.2	70.2	74.2	80.4	82.7	85.1	87.9	88.8	89.6
GE 300	60.9	61.2	70.2	74.2	80.5	82.8	85.3	88.3	89.2	91.1
GE 200	60.9	61.2	70.2	74.2	80.6	82.9	85.4	88.4	89.3	91.5
GE 100	60.9	61.2	70.2	74.2	80.6	82.9	85.4	88.4	89.3	91.7
GE 000	60.9	61.2	70.2	74.2	80.6	82.8	85.4	88.4	89.3	91.7

TOTAL NUMBER OF OBSERVATIONS 7174

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

BENYFORD RAF UK PERIOD OF RECORD: JUL 79 - JUN 82
MONTH: NOV HOURS: ALL

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
28.7	29.1	29.6	29.8	30.0	30.2	30.3	30.4	30.8	31.3	32.1
33.1	34.3	34.3	34.5	34.8	35.0	35.0	35.2	35.6	36.1	36.9
33.3	33.9	34.4	34.7	34.9	35.1	35.2	35.4	35.8	36.2	37.1
33.3	33.9	34.4	34.7	34.9	35.1	35.2	35.4	35.8	36.2	37.1
33.4	34.0	34.5	34.7	35.0	35.2	35.3	35.5	35.9	36.3	37.2
34.0	34.7	35.2	35.4	35.7	35.9	35.9	36.1	36.5	37.0	37.8
35.7	36.4	36.9	37.2	37.5	37.6	37.7	37.9	38.3	38.8	39.6
36.8	37.1	37.5	37.9	38.2	38.4	38.5	38.7	39.1	39.5	40.4
40.1	40.8	41.5	41.8	42.2	42.4	42.5	42.7	43.1	43.5	44.4
40.8	41.5	42.2	42.5	42.9	43.1	43.2	43.4	43.8	44.3	45.1
41.2	41.9	42.6	42.9	43.3	43.5	43.6	43.8	44.2	44.7	45.6
44.2	44.9	45.5	45.1	46.5	46.7	46.9	47.1	47.5	48.0	48.8
49.7	49.9	50.4	50.7	51.1	51.4	51.5	51.7	52.1	52.5	53.4
53.0	54.0	55.0	55.3	55.7	56.0	56.2	56.4	56.8	57.3	58.1
56.7	56.7	57.4	57.1	58.6	58.9	59.0	59.2	59.6	60.1	61.0
61.6	61.6	62.3	63.1	63.7	64.0	64.2	64.4	64.8	65.3	66.2
65.4	66.6	66.7	66.1	66.9	66.0	66.3	66.5	66.9	67.4	68.3
69.3	69.6	69.8	69.2	69.6	70.1	70.4	70.6	71.0	71.5	72.4
72.0	68.2	69.6	70.0	70.4	70.9	71.2	71.4	71.8	72.3	73.2
71.4	73.1	74.7	75.1	75.8	76.1	76.4	76.6	77.0	77.5	78.4
79.0	79.6	79.8	79.8	79.4	79.6	80.0	80.2	80.6	81.2	82.0
77.7	79.8	81.2	81.7	82.6	82.9	83.1	83.3	83.7	84.2	85.1
82.8	83.3	82.2	82.7	83.4	83.6	84.0	84.2	84.7	85.2	86.0
83.2	83.1	84.2	84.7	85.5	85.9	86.1	86.4	86.8	87.3	88.2
84.1	84.1	85.3	85.9	86.7	87.2	87.4	87.7	88.1	88.6	89.5
84.4	84.5	85.7	86.4	87.3	87.8	88.0	88.2	88.7	89.2	90.1
89.4	89.7	90.2	89.1	89.8	89.9	90.3	90.5	91.0	91.5	92.4
89.7	89.1	89.9	89.0	90.5	91.4	91.8	92.1	92.7	93.2	94.2
90.1	89.8	89.8	89.5	91.1	92.2	92.6	93.0	93.7	94.3	95.3
90.9	89.4	89.4	89.8	91.5	92.8	93.5	93.9	94.9	95.9	97.7
90.9	89.4	89.4	89.8	91.7	93.1	93.7	94.2	95.4	96.6	99.8
90.9	89.4	89.4	89.8	91.7	93.1	93.7	94.2	95.4	96.6	100.0

OPERATING LOCATION "AW"
ISAFFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 96683 STATION NAME: UPPER HEYFORD RAF UK PERIO
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	3F 112	3E 96	3D 80	3C 64	3B 48	3A 40	2F 32	2E 24	2D 20	2C 16
NO CEIL	26.8	27.3	29.4	31.4	32.4	32.4	32.7	34.7	34.8	35.2
2F 20000	33.7	33.1	32.4	33.3	34.3	34.4	34.7	35.8	35.9	37.2
2E 15000	33.7	33.1	32.4	33.3	34.3	34.4	34.7	35.8	35.9	37.2
2D 14000	33.7	33.1	32.4	33.3	34.3	34.4	34.7	35.8	35.9	37.2
2C 12000	33.7	33.1	32.4	33.3	34.3	34.4	34.7	35.8	35.9	37.2
2B 10000	33.8	33.4	32.7	33.7	34.6	34.7	35.1	37.1	37.2	37.6
2A 9000	33.8	33.4	34.1	35.2	35.1	35.2	35.7	36.7	36.8	38.1
1F 8000	34.3	34.3	34.5	35.7	35.7	35.8	37.2	38.2	38.4	39.7
1E 7000	38.2	38.4	38.0	39.3	40.2	40.1	42.5	42.6	42.7	43.2
1D 6000	39.4	39.1	39.5	39.7	41.1	41.4	41.8	43.9	44.3	44.3
1C 5000	44.3	44.3	44.1	46.1	46.5	46.9	48.4	48.4	48.4	48.4
1B 4500	45.3	45.3	46.2	47.2	47.3	47.4	48.7	48.7	48.9	49.3
1A 4000	47.4	47.3	48.1	48.3	48.1	48.7	49.2	49.4	49.6	50.4
3F 3500	48.4	48.1	49.3	50.2	50.3	50.5	51.5	53.7	53.8	54.4
3E 3000	49.3	49.1	49.8	51.2	51.1	51.4	52.5	54.8	55.1	55.7
3D 2500	51.3	51.2	52.4	54.1	54.1	54.5	55.8	57.5	57.9	58.7
3C 2000	53.4	53.2	54.0	55.3	57.3	57.8	59.6	62.2	62.5	64.7
3B 1500	55.3	55.2	56.2	58.1	61.3	61.7	63.3	65.7	66.3	67.1
3A 1000	58.1	58.1	59.0	61.0	62.2	62.7	64.9	66.7	67.2	68.5
4F 900	58.8	58.4	59.4	61.4	63.7	64.2	66.4	68.9	69.4	70.2
4E 800	59.2	59.2	60.2	62.2	64.4	64.9	67.2	69.7	70.2	71.1
4D 700	60.2	60.2	61.2	63.2	65.5	66.4	68.7	71.4	72.0	72.9
4C 600	61.3	61.3	62.3	64.3	66.6	67.5	69.8	72.5	73.1	74.1
4B 500	62.3	62.3	63.3	65.3	67.6	68.5	70.8	73.5	74.1	75.1
4A 450	62.5	62.5	63.5	65.5	67.8	68.7	71.0	73.7	74.3	75.3
5F 400	63.4	63.4	64.4	66.4	68.7	69.6	71.9	74.6	75.2	76.2
5E 350	64.2	64.2	65.2	67.2	69.5	70.4	72.7	75.4	76.0	77.0
5D 300	65.1	65.1	66.1	68.1	70.4	71.3	73.6	76.3	76.9	77.9
5C 250	66.1	66.1	67.1	69.1	71.4	72.3	74.6	77.3	77.9	78.9
5B 200	67.3	67.3	68.3	70.3	72.6	73.5	75.8	78.5	79.1	80.1
5A 150	68.4	68.4	69.4	71.4	73.7	74.6	76.9	79.6	80.2	81.2
6F 100	69.8	69.8	70.8	72.8	75.1	76.0	78.3	81.0	81.6	82.6
6E 50	70.9	70.9	71.9	73.9	76.2	77.1	79.4	82.1	82.7	83.7
6D 0	71.1	71.1	72.1	74.1	76.4	77.3	79.6	82.3	82.9	83.9

TOTAL NUMBER OF OBSERVATIONS 930

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
.4	32.4	32.7	34.7	34.8	35.2	35.5	35.5	35.6	36.0	36.2	36.8
.8	34.4	34.7	36.8	36.9	37.2	37.5	37.5	37.6	38.1	38.3	38.8
.8	34.4	34.7	36.8	36.9	37.2	37.5	37.5	37.6	38.1	38.3	38.8
.8	34.4	34.7	36.8	36.9	37.2	37.5	37.5	37.6	38.1	38.3	38.8
.8	34.4	34.7	36.8	36.9	37.2	37.5	37.5	37.6	38.1	38.3	38.8
.8	34.7	35.1	37.1	37.2	37.5	37.8	37.8	38.0	38.4	39.6	39.1
.1	36.2	36.7	38.7	38.8	39.1	39.5	39.5	39.6	40.0	40.2	40.8
.7	36.8	37.2	39.2	39.4	39.7	40.0	40.0	40.1	40.5	40.8	41.3
.1	40.1	40.5	42.6	42.7	43.0	43.4	43.4	43.5	44.0	44.2	44.7
.1	41.4	41.8	43.9	44.3	44.3	44.7	44.7	44.8	45.3	45.5	46.0
.8	41.9	42.4	44.4	44.8	44.8	45.4	45.4	45.5	45.9	46.1	46.7
.8	44.3	44.7	46.8	46.9	47.3	47.7	47.7	47.8	48.3	48.5	49.0
.1	45.7	47.2	49.2	49.4	50.0	50.4	50.4	50.5	51.0	51.2	51.7
.2	50.9	51.5	53.7	53.8	54.4	54.8	54.8	54.9	55.4	55.6	56.1
.1	53.4	54.5	56.8	57.1	57.7	58.2	58.2	58.3	58.7	58.9	59.5
.1	56.8	57.8	60.2	60.5	61.7	62.3	62.3	62.4	62.8	63.0	63.5
.8	58.5	59.6	62.2	62.5	63.7	64.2	64.2	64.3	64.7	64.9	65.5
.8	61.9	63.0	65.7	65.9	67.5	68.1	68.1	68.2	68.6	68.8	69.4
.8	62.9	64.0	66.7	67.2	68.5	69.0	69.0	69.1	69.5	69.8	70.3
.7	67.1	68.2	70.9	71.4	72.7	73.2	73.2	73.3	73.8	74.0	74.5
.4	69.2	70.4	73.2	73.7	75.1	75.6	75.6	75.7	76.1	76.3	76.9
.9	71.8	73.1	76.0	76.7	78.0	78.5	78.5	78.6	79.0	79.2	79.8
.8	72.5	73.9	76.8	77.5	78.9	79.5	79.6	79.7	80.1	80.3	80.9
.1	74.4	75.7	78.6	79.5	81.1	81.6	81.7	81.8	82.3	82.5	83.0
.8	76.1	77.5	81.0	81.9	83.4	84.0	84.1	84.2	84.6	84.8	85.4
.8	77.5	79.0	83.1	84.1	85.6	86.1	86.2	86.3	86.8	87.0	87.5
.8	79.0	81.1	85.2	86.2	87.7	88.3	88.4	88.5	88.9	89.5	90.2
.1	79.9	82.2	86.5	87.3	89.4	89.9	90.0	90.1	90.5	91.1	91.8
.8	80.6	82.9	87.4	88.1	90.3	91.4	91.5	91.7	92.2	92.7	93.4
.8	80.8	83.2	88.1	89.8	92.4	93.3	93.5	93.8	94.5	95.6	96.5
.8	80.8	83.2	88.3	90.1	92.7	93.7	94.0	94.2	95.3	97.3	99.6
.8	80.8	83.2	88.3	90.1	92.7	93.7	94.0	94.2	95.4	97.4	100.0

OPERATING LOCATION "A"
ASHEVILLE, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	11	8	6	5	4	3	2	1	0	
ALL	29.3	34.4	2..	27.5	23.3	25.5	24.5	30.2	30.4	31.0
22000	25.3	34.3	2..	29.7	30.4	30.6	33.4	32.4	32.5	33.1
15000	25.3	34.3	26..	29.7	30.4	30.5	33.5	32.4	32.5	33.1
10000	25.3	34.3	26.3	29.7	30.4	30.5	33.5	32.4	32.5	33.1
8000	25.3	34.3	26.4	29.7	30.4	30.5	33.5	32.4	32.5	33.1
6000	25.3	34.3	26.4	29.7	30.4	30.5	33.5	32.4	32.5	33.1
5000	31.3	34.3	31.1	32.2	33.1	33.2	33.3	34.1	34.2	35.7
4000	31.4	34.4	31.2	32.3	33.1	33.3	33.4	34.1	34.3	35.7
3500	31.3	34.3	31.2	32.3	33.1	33.3	33.4	34.1	34.3	35.7
3000	31.3	34.3	31.2	32.3	33.1	33.3	33.4	34.1	34.3	35.7
2500	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
2000	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
1800	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
1600	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
1400	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
1200	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
1000	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
900	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
800	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
700	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
600	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
500	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
400	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
300	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
200	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
100	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6
000	32.1	34.1	31.3	34.1	35.1	35.9	36.1	37.1	37.1	38.6

TOTAL NUMBER OF OBSERVATIONS 933

...QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...ROM HOURLY OBSERVATIONS

...AP HR PERIOD OF RECORD: JUL 75 - JUN 85
MONTH: DEC HOURS: 03-05

CEILING IN HUNDREDS OF FEET / VISIBILITY IN STATUTE MILES	7+	7	5	4	3	2½	2	1½	1	½	¼	0
22+	33.2	33.4	33.9	34.1	34.2	34.3	34.7	34.9	35.6			
22	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
21	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
20	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
19	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
18	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
17	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
16	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
15	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
14	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
13	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
12	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
11	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
10	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
9	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
8	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
7	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
6	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
5	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
4	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
3	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
2½	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
2	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
1½	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
1	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
½	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
¼	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			
0	33.4	33.5	33.8	33.9	34.0	34.1	34.4	34.6	35.3			

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
-3 HOURLY OBSERVATIONS

STATION NUMBER: 53853 STATION NAME: DOBBINS AFB GA PERIOD
LST TO UTC: - 5 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	11	7	5	4	3	2	1	1/2	1/4	0
	11	7	5	4	3	2	1	1/2	1/4	0
22 CEIL	22.2	13.3	25.3	25.7	27.0	27.2	27.3	28.5	29.3	29.4
20000	25.2	25.7	26.1	26.5	30.0	30.3	30.5	31.4	32.2	33.2
15000	25.3	25.7	26.1	26.5	30.0	30.3	30.5	31.4	32.2	33.2
14000	25.3	25.7	26.1	26.5	30.1	30.4	30.6	31.6	32.4	33.1
13000	25.3	25.7	26.1	26.5	30.1	30.4	30.6	31.6	32.4	33.1
12000	26.4	26.7	26.4	27.1	30.4	30.8	31.0	32.4	33.2	33.4
10000	27.1	27.1	30.7	31.0	32.5	32.9	33.1	34.5	35.1	35.3
9000	27.3	27.7	31.3	31.7	33.3	33.7	34.1	35.6	36.2	36.4
8000	29.4	31.3	34.3	34.5	35.7	37.3	37.2	38.5	39.1	39.7
7000	31.1	31.5	34.3	34.7	37.2	37.8	37.9	39.2	39.5	40.1
6000	31.2	31.7	34.5	35.2	37.2	37.5	37.7	39.1	39.7	40.2
5000	40.2	40.3	44.3	47.2	48.2	48.3	48.9	49.4	49.9	49.4
4500	40.2	37.7	41.5	41.7	43.8	44.5	44.5	46.1	47.3	47.2
4000	38.4	38.4	41.5	44.1	45.7	47.4	48.2	49.5	50.1	51.3
3500	41.1	42.4	46.7	47.3	49.6	50.3	51.3	51.5	52.4	52.4
3000	43.4	44.3	48.5	50.1	52.5	53.3	53.7	55.4	56.2	56.3
2500	44.6	44.6	50.1	50.4	54.2	55.4	56.1	57.4	58.4	58.2
2000	45.2	45.2	53.5	55.3	57.7	59.4	60.1	61.2	61.7	62.4
1800	47.4	48.4	54.7	56.6	59.0	60.2	61.3	62.7	63.2	63.5
1500	52.5	53.4	57.3	60.3	63.4	64.4	65.3	67.3	67.6	67.5
1200	54.1	54.1	61.3	64.3	66.7	67.6	68.7	70.3	71.4	72.1
1000	56.1	57.1	63.5	66.7	69.4	70.7	71.9	73.4	73.9	74.3
900	57.1	58.1	64.3	66.3	69.5	71.1	72.3	74.1	74.9	75.3
800	58.2	59.1	65.1	68.3	71.3	72.8	74.2	75.2	77.2	77.7
700	61.3	62.4	67.5	70.2	73.4	74.9	76.7	78.3	79.2	80.
600	64.4	65.5	69.9	72.9	74.4	75.9	77.6	80.0	81.0	81.7
500	68.2	69.4	72.0	75.0	76.3	77.3	78.3	82.5	83.3	84.2
400	69.4	70.4	73.1	75.2	76.7	77.2	79.0	81.0	84.0	85.2
300	69.4	70.4	73.1	75.2	76.7	77.4	79.4	81.4	84.9	86.2
200	69.4	70.4	73.1	75.2	76.7	77.5	79.5	81.5	85.5	87.0
100	69.4	70.4	73.1	75.2	76.7	77.5	79.5	81.5	85.5	87.0
0	69.4	70.4	73.1	75.2	76.7	77.5	79.5	81.5	85.5	87.0

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: DEC HOURS: 06-09

CEILING IN METERS / VISIBILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	27.5	28.5	28.9	29.5	29.9	30.0	30.0	30.5	31.0	31.6
[illegible]	30.5	31.9	32.5	33.3	33.4	33.5	33.5	34.1	34.6	35.3
[illegible]	30.5	31.9	32.5	33.3	33.4	33.5	33.5	34.1	34.6	35.3
[illegible]	30.6	32.0	32.6	33.1	33.5	33.7	33.7	34.2	34.7	35.4
[illegible]	30.6	32.0	32.6	33.1	33.5	33.7	33.7	34.2	34.7	35.4
[illegible]	31.3	32.4	32.9	33.4	33.9	34.0	34.0	34.5	35.1	35.7
[illegible]	33.1	34.5	35.1	35.5	36.1	36.2	36.2	36.8	37.3	38.0
[illegible]	34.1	35.5	36.0	36.5	37.1	37.2	37.2	37.7	38.3	38.9
[illegible]	37.2	38.6	39.1	39.7	40.2	40.3	40.3	40.9	41.4	42.0
[illegible]	37.6	38.9	39.5	40.1	40.5	40.6	40.6	41.2	41.7	42.4
[illegible]	37.7	39.1	39.7	40.3	40.8	40.9	40.9	41.4	41.9	42.6
[illegible]	40.9	42.4	42.9	43.4	44.1	44.2	44.2	44.7	45.3	45.9
[illegible]	44.1	47.5	47.2	48.7	49.5	49.6	49.6	50.2	50.8	51.4
[illegible]	48.3	50.1	50.9	51.2	51.9	52.2	52.2	52.8	53.3	54.0
[illegible]	50.2	51.5	52.4	52.9	53.7	53.9	53.9	54.5	55.1	55.7
[illegible]	52.7	55.4	55.9	56.5	57.3	57.5	57.5	58.2	58.7	59.4
[illegible]	56.1	57.3	58.4	59.0	59.8	60.0	60.0	60.6	61.2	61.8
[illegible]	59.6	61.2	61.7	62.4	63.1	63.3	63.3	64.0	64.5	65.2
[illegible]	61.0	62.7	63.2	63.9	64.6	64.8	64.8	65.5	66.0	66.7
[illegible]	65.5	67.3	67.9	68.5	69.2	69.5	69.5	70.1	70.6	71.3
[illegible]	69.3	70.5	71.4	72.0	72.8	73.0	73.0	73.7	74.2	74.8
[illegible]	71.9	72.8	73.6	74.3	75.1	75.3	75.3	75.9	76.5	77.1
[illegible]	73.2	74.1	74.9	75.6	76.3	76.6	76.7	77.3	77.8	78.5
[illegible]	74.2	75.2	77.0	77.7	78.5	78.7	78.8	79.5	80.0	80.6
[illegible]	78.7	79.9	79.9	80.7	81.5	81.7	81.8	82.5	83.0	83.7
[illegible]	77.6	80.9	81.0	81.8	82.6	82.8	82.9	83.5	84.1	84.7
[illegible]	79.3	82.5	83.3	84.3	86.0	86.3	86.5	87.3	87.8	88.5
[illegible]	81.3	84.0	85.2	86.3	87.6	88.0	88.1	89.1	89.7	90.5
[illegible]	81.4	84.9	86.2	88.0	89.2	89.8	89.9	91.0	91.5	92.7
[illegible]	81.5	85.5	87.0	88.8	90.6	91.2	91.4	93.1	94.1	95.4
[illegible]	81.5	85.5	87.0	89.4	91.6	92.3	93.0	95.7	97.2	99.5
[illegible]	81.5	85.5	87.0	89.4	91.6	92.3	93.0	95.7	97.2	100.0

OPERATING LOCATION "AW"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF OPT
FROM HOURLY OBSERVATIONS

STATION NUMBER: 03813 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	50	27	35	60	36	60	32	31	24	33
	1132	48	40	60	48	40	32	24	20	16
NO CEIL	17.7	18.9	21.2	21.9	24.1	24.5	25.4	25.8	25.9	26.3
30 30000	21.9	23.2	25.5	27.5	30.0	30.5	31.5	32.3	32.4	32.4
25 15000	22.1	23.2	25.5	27.5	30.0	30.5	31.5	32.3	32.4	32.5
20 10000	22.1	23.2	25.5	27.5	30.0	30.5	31.5	32.3	32.4	32.5
15 7000	22.1	23.2	25.5	27.5	30.0	30.5	31.5	32.3	32.4	32.5
10 5000	22.5	23.6	27.2	28.3	30.6	31.3	32.5	32.9	33.0	33.1
7 3500	24.7	26.1	29.7	29.9	32.7	33.4	34.5	35.4	35.4	35.5
5 2500	28.3	29.6	33.4	33.4	33.3	34.1	35.3	35.3	35.3	35.4
4 2000	28.4	29.7	33.5	33.5	33.5	34.7	40.2	41.1	41.3	41.7
3 1500	28.9	29.7	34.7	35.3	35.7	39.5	41.0	41.7	42.0	42.3
2 1000	29.1	29.7	34.8	36.0	36.9	39.7	41.2	42.1	42.3	42.7
1 700	31.6	31.9	37.3	38.6	41.4	42.9	44.1	44.3	44.3	44.6
0 600	33.1	34.3	40.0	41.7	43.6	45.3	47.4	48.7	48.8	49.4
0 500	33.5	34.8	43.4	45.2	47.1	49.3	51.4	52.7	53.1	53.5
0 400	34.2	35.7	44.7	46.6	50.3	51.6	53.1	54.4	54.8	55.3
0 300	34.7	36.3	45.7	47.5	53.0	53.8	55.3	56.5	57.1	57.5
0 200	41.1	41.7	46.2	50.0	54.5	55.9	57.3	58.3	58.7	58.7
0 150	43.5	44.2	51.5	54.3	55.5	59.5	61.0	62.1	62.4	63.7
0 100	44.5	45.2	52.7	55.1	59.3	61.0	62.5	63.7	64.3	65.1
0 50	44.9	47.5	56.4	58.1	63.4	65.2	66.7	68.1	68.5	69.1
0 0	47.1	49.2	59.2	61.1	66.1	67.5	69.1	70.5	71.1	72.1
30 30000	48.1	49.4	60.0	62.2	68.4	72.0	74.5	76.0	77.0	78.7
25 25000	48.5	51.4	61.1	64.4	70.0	73.7	76.3	78.7	79.5	80.7
20 20000	48.5	51.4	62.2	65.7	70.2	74.3	76.8	79.2	80.7	82.1
15 15000	48.5	51.5	62.4	66.2	73.4	75.8	77.5	79.1	79.9	81.4
10 10000	48.5	51.5	62.5	66.7	74.0	76.9	78.4	80.1	80.9	82.1
7 7000	48.5	51.7	62.7	66.1	74.3	77.5	79.4	82.7	83.5	85.5
5 5000	48.5	51.7	62.7	66.1	75.5	78.2	81.1	84.4	85.4	87.5
4 4000	48.5	51.7	62.7	66.1	75.7	78.4	81.3	84.8	86.0	88.4
3 3000	48.5	51.7	62.7	66.1	75.7	78.4	81.4	85.1	86.5	88.9
2 2000	48.5	51.7	62.7	66.1	75.7	78.4	81.4	85.1	86.5	89.0
1 1000	48.5	51.7	62.7	66.1	75.7	78.4	81.4	85.1	86.5	89.0

TOTAL NUMBER OF OBSERVATIONS 330

SE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 09-11

ILITY IN METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	25.4	25.8	25.9	25.9	26.0	26.5	26.5	26.5	26.8	27.4
.2	31.8	32.3	32.4	32.4	32.5	32.9	32.9	32.9	33.3	34.1
.3	31.8	32.3	32.4	32.5	32.5	33.0	33.0	33.0	33.4	34.2
.4	31.8	32.3	32.4	32.5	32.5	33.0	33.0	33.0	33.4	34.2
.5	31.8	32.3	32.4	32.5	32.6	33.0	33.0	33.0	33.4	34.2
.6	32.5	32.9	33.0	33.1	33.2	33.7	33.7	33.7	34.1	34.8
.0	34.5	35.4	35.5	35.8	35.9	36.3	36.3	36.3	36.8	37.5
.1	36.3	36.3	36.5	36.8	36.9	37.4	37.4	37.4	37.8	38.6
.2	40.2	41.1	41.3	41.5	41.8	42.5	42.5	42.5	42.9	43.8
.3	41.0	41.9	42.0	42.3	42.6	43.2	43.2	43.2	43.7	44.5
.4	41.2	42.0	42.3	42.6	42.9	43.4	43.4	43.4	43.9	44.7
.5	44.1	44.9	45.2	45.6	46.0	46.7	46.7	46.7	47.1	48.0
.6	47.4	48.2	48.4	49.4	49.8	50.4	50.4	50.5	51.0	51.8
.7	51.4	52.2	52.4	53.5	54.0	54.8	54.8	55.2	55.6	56.5
.8	53.1	54.4	54.6	55.3	55.7	56.6	56.6	56.9	57.3	58.3
.9	55.3	56.5	56.9	57.6	58.1	58.9	58.9	59.2	59.7	60.8
1.0	57.0	58.3	58.8	59.7	60.2	61.1	61.1	61.4	61.8	62.9
1.1	61.0	62.3	62.8	63.7	64.2	65.1	65.1	65.4	65.8	66.9
1.2	62.5	63.8	64.3	65.2	65.7	66.6	66.6	66.9	67.3	68.4
1.3	66.7	68.1	68.6	69.6	70.1	71.0	71.0	71.3	71.7	72.8
1.4	70.1	70.5	71.1	72.3	72.6	73.4	73.4	73.8	74.2	75.3
1.5	71.6	73.0	73.5	74.7	75.3	76.1	76.1	76.5	76.9	78.0
1.6	73.3	74.7	75.3	76.5	77.0	78.0	78.0	78.3	78.7	79.8
1.7	75.8	78.2	78.7	80.0	80.5	81.5	81.5	81.8	82.3	83.3
1.8	77.5	79.1	79.8	81.4	82.0	83.0	83.0	83.3	83.8	84.8
1.9	79.4	80.1	80.8	82.5	83.2	84.2	84.4	84.7	85.2	86.2
2.0	79.8	82.7	83.5	85.5	86.2	87.3	87.5	88.0	88.6	89.7
2.2	81.1	84.4	85.4	87.5	88.5	89.6	89.8	90.3	91.1	92.3
2.4	81.3	84.8	86.0	88.4	89.4	90.8	91.0	91.9	92.7	94.1
2.6	81.4	85.1	86.5	88.8	90.5	92.3	92.7	93.8	95.5	97.3
2.8	81.4	85.1	86.5	88.8	90.6	92.4	93.0	94.6	96.7	100.0
3.0	81.4	85.1	86.5	88.8	90.6	92.4	93.0	94.6	96.7	100.0

OPERATING LOCATION "AW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	GE 11[illegible]	[illegible]	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	1[illegible].2	1[illegible].2	21.5	22.3	23.3	24.0	24.3	24.5	24.9	24.9
GE 20000	23.4	23.4	27.5	28.7	30.5	30.9	31.5	31.[illegible]	32.4	32.4
GE 18000	23.4	23.4	27.5	28.7	30.5	31.1	31.5	32.0	32.4	32.4
GE 16000	23.4	23.4	27.5	28.7	30.[illegible]	31.1	31.[illegible]	32.[illegible]	32.[illegible]	32.[illegible]
GE 14000	23.7	23.7	28.1	28.9	31.0	31.3	32.0	32.3	32.[illegible]	32.[illegible]
GE 12000	24.1	24.1	28.5	29.5	31.6	31.[illegible]	32.6	32.9	33.4	33.4
GE 10000	29.3	29.[illegible]	30.9	31.[illegible]	34.2	34.5	35.5	35.9	36.[illegible]	36.[illegible]
GE 9000	27.3	27.3	31.9	32.9	35.3	35.[illegible]	36.[illegible]	37.4	3[illegible].1	3[illegible].1
GE 8000	27.1	27.[illegible]	31.2	35.5	38.[illegible]	38.5	40.[illegible]	41.[illegible]	41.[illegible]	41.[illegible]
GE 7000	27.[illegible]	27.7	31.[illegible]	35.[illegible]	41.[illegible]	41.0	42.2	42.[illegible]	43.6	43.6
GE 6000	28.9	28.[illegible]	36.[illegible]	38.5	43.0	41.5	42.7	43.3	44.[illegible]	44.[illegible]
GE 5000	32.7	32.[illegible]	40.1	41.0	44.3	45.3	46.5	47.1	47.1	47.1
GE 4500	35.5	35.7	44.3	45.1	48.5	49.[illegible]	50.5	51.[illegible]	52.3	52.[illegible]
GE 4000	41.[illegible]	41.[illegible]	48.5	49.5	53.5	54.[illegible]	55.1	57.1	57.1	57.1
GE 3500	41.[illegible]	41.[illegible]	50.3	52.[illegible]	55.4	55.7	57.[illegible]	58.[illegible]	59.[illegible]	59.[illegible]
GE 3000	42.[illegible]	42.[illegible]	53.1	55.4	58.5	59.9	61.2	62.2	63.1	63.1
GE 2500	44.3	44.[illegible]	54.5	56.[illegible]	59.1	61.4	62.7	63.7	64.[illegible]	64.[illegible]
GE 2000	45.5	45.[illegible]	55.0	57.1	60.7	62.0	63.3	64.2	64.[illegible]	64.[illegible]
GE 1800	47.[illegible]	47.[illegible]	55.[illegible]	57.[illegible]	61.5	62.5	64.1	65.[illegible]	66.[illegible]	66.1
GE 1500	50.[illegible]	51.1	58.2	60.5	70.[illegible]	72.2	73.4	74.5	75.[illegible]	75.[illegible]
GE 1200	52.[illegible]	52.[illegible]	58.2	70.0	74.[illegible]	75.[illegible]	77.[illegible]	78.[illegible]	79.5	79.[illegible]
GE 1000	53.[illegible]	54.[illegible]	59.[illegible]	73.0	78.2	80.0	81.4	82.5	83.4	83.7
GE 900	54.[illegible]	55.5	59.5	73.[illegible]	78.9	80.9	82.3	83.4	84.4	84.[illegible]
GE 800	54.7	55.7	73.3	74.7	80.2	82.3	83.[illegible]	85.1	85.1	85.7
GE 700	54.[illegible]	56.0	70.9	75.3	81.1	83.2	84.2	85.7	86.[illegible]	86.[illegible]
GE 600	55.1	56.1	71.2	75.3	81.[illegible]	84.1	85.1	87.[illegible]	88.[illegible]	90.2
GE 500	55.1	56.1	71.3	75.9	82.3	85.2	86.7	90.1	91.9	92.5
GE 400	55.1	56.1	71.3	75.9	82.9	85.5	88.5	91.2	93.[illegible]	93.[illegible]
GE 300	55.1	56.1	71.3	75.9	83.0	85.6	88.6	91.5	93.4	94.4
GE 200	55.1	56.1	71.3	75.9	83.0	85.7	88.7	91.7	93.7	94.5
GE 100	55.1	56.1	71.3	75.9	83.0	85.7	88.7	91.7	93.7	94.5
GE 000	55.1	56.1	71.3	75.9	83.0	85.7	88.7	91.7	93.7	94.5

TOTAL NUMBER OF OBSERVATIONS 930

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: DEC HOURS: 12-14

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
GE 22000	24.0	24.3	24.5	24.9	24.9	24.9	25.1	25.1	25.2	25.2	25.8
GE 20000	30.9	31.5	31.9	32.4	32.4	32.4	32.5	32.5	32.6	32.6	33.3
GE 18000	31.1	31.8	32.0	32.6	32.6	32.6	32.7	32.7	32.8	32.8	33.5
GE 16000	31.1	31.8	32.0	32.6	32.6	32.6	32.7	32.7	32.8	32.8	33.5
GE 14000	31.8	32.0	32.3	32.8	32.8	32.8	32.9	32.9	33.0	33.0	33.8
GE 12000	31.8	32.6	32.9	33.4	33.4	33.4	33.5	33.5	33.7	33.7	34.4
GE 10000	34.5	35.5	35.9	36.5	36.5	36.5	36.7	36.7	36.8	36.8	37.5
GE 9000	36.9	38.0	38.4	39.1	39.1	39.1	39.2	39.2	39.3	39.3	39.0
GE 8000	39.2	40.5	41.3	41.9	41.9	41.9	42.0	42.0	42.2	42.2	42.9
GE 7000	41.0	42.2	42.9	43.4	43.4	43.4	43.5	43.5	43.7	43.7	44.4
GE 6000	41.8	42.7	43.3	44.0	44.0	44.0	44.1	44.1	44.2	44.2	44.9
GE 5000	46.3	46.6	47.1	47.1	48.1	48.1	48.2	48.2	48.3	48.3	49.0
GE 4500	49.9	50.5	51.3	52.3	52.3	52.3	52.4	52.4	52.5	52.5	53.2
GE 4000	54.3	55.1	57.1	58.1	58.1	58.1	58.2	58.2	58.3	58.3	59.0
GE 3500	59.7	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.1	60.1	61.0
GE 3000	62.9	61.2	62.2	63.1	63.1	63.1	63.4	63.4	63.7	63.7	64.5
GE 2500	61.4	62.7	63.7	64.5	64.5	64.5	64.9	64.9	65.2	65.2	66.0
GE 2000	65.9	67.3	68.3	69.2	69.4	69.4	69.7	69.7	69.9	69.9	70.8
GE 1800	66.5	68.1	69.0	70.0	70.1	70.1	70.4	70.4	70.5	70.5	71.5
GE 1600	72.2	73.4	74.5	75.5	75.5	75.5	75.9	75.9	76.1	76.1	77.0
GE 1400	75.5	77.3	78.9	79.9	80.1	80.1	80.4	80.4	80.6	80.6	81.6
GE 1200	80.0	81.4	82.5	83.4	83.7	83.7	84.0	84.0	84.3	84.3	85.2
GE 1000	82.9	84.3	85.4	86.4	86.7	86.7	87.1	87.1	87.4	87.4	88.2
GE 900	85.3	86.8	88.1	89.1	89.6	89.6	89.8	89.8	90.1	90.1	90.9
GE 800	86.2	87.8	89.2	90.3	90.8	90.8	91.1	91.1	91.4	91.4	92.2
GE 700	87.1	88.7	90.1	91.3	91.8	91.8	92.1	92.1	92.4	92.4	93.2
GE 600	88.2	89.7	91.1	92.3	92.8	92.8	93.1	93.1	93.4	93.4	94.2
GE 500	89.2	90.7	92.1	93.3	93.8	93.8	94.1	94.1	94.4	94.4	95.2
GE 400	90.2	91.7	93.1	94.3	94.8	94.8	95.1	95.1	95.4	95.4	96.2
GE 300	90.2	91.7	93.1	94.3	94.8	94.8	95.1	95.1	95.4	95.4	96.2
GE 200	90.2	91.7	93.1	94.3	94.8	94.8	95.1	95.1	95.4	95.4	96.2
GE 100	90.2	91.7	93.1	94.3	94.8	94.8	95.1	95.1	95.4	95.4	96.2
GE 000	90.2	91.7	93.1	94.3	94.8	94.8	95.1	95.1	95.4	95.4	96.2

OPERATING LOCATION WAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	≥ 16	≥ 8	≥ 4.8	≥ 3.2	≥ 2.4	≥ 1.6	≥ 1.2	≥ 0.8	≥ 0.4	< 0.4
	112	80	80	64	48	40	32	24	20	16
00 CLR	19.0	19.0	20.9	22.2	24.5	24.7	24.9	25.3	25.3	25.5
08 20000	23.1	23.7	27.4	28.9	31.5	31.9	32.2	32.5	32.5	32.7
08 15000	23.1	23.7	27.4	28.9	31.5	31.9	32.3	32.7	32.7	32.9
08 10000	23.5	23.7	27.4	28.9	31.5	31.9	32.3	32.7	32.7	32.9
08 7000	23.5	23.9	27.7	29.2	31.9	32.3	32.6	33.0	33.0	33.2
08 5000	24.1	24.2	28.2	29.6	32.5	32.9	33.2	33.7	33.7	33.9
07 3000	25.2	25.3	29.5	31.3	34.3	34.7	35.2	35.6	35.6	35.8
06 2000	26.1	26.2	30.4	32.3	35.3	35.7	36.1	36.5	36.5	36.7
05 1500	26.5	26.6	31.4	33.4	36.3	36.7	37.2	37.6	37.6	37.8
04 1000	27.0	27.1	32.1	34.2	37.2	37.7	38.2	38.6	38.6	38.8
03 800	27.1	27.2	32.3	34.4	37.4	37.9	38.4	38.8	38.8	39.0
02 600	27.5	27.6	32.8	34.9	38.0	38.5	39.0	39.4	39.4	39.6
01 400	28.1	28.2	33.5	35.7	38.9	39.4	39.9	40.3	40.3	40.5
00 200	28.2	28.3	33.6	35.8	39.0	39.5	40.0	40.4	40.4	40.6
08 5000	31.2	31.3	37.3	39.8	43.0	43.4	44.1	44.5	44.5	44.8
07 4500	31.9	32.1	38.2	40.7	44.2	44.7	45.4	45.8	45.8	46.0
06 4000	32.7	32.9	39.1	41.8	45.2	45.8	46.5	46.9	46.9	47.2
05 3500	33.2	33.4	39.8	42.5	46.0	46.6	47.3	47.7	47.7	48.0
04 3000	33.7	33.9	40.3	43.0	46.5	47.1	47.8	48.2	48.2	48.5
03 2500	45.0	45.2	53.9	56.3	60.3	61.0	61.8	62.2	62.2	62.5
02 2000	47.4	47.6	56.2	58.7	62.9	63.7	64.5	64.9	64.9	65.2
01 1500	50.3	50.5	59.1	61.7	66.0	66.8	67.6	68.0	68.0	68.3
00 1000	52.5	52.7	61.7	64.5	69.0	69.8	70.6	71.0	71.0	71.3
08 1000	54.3	54.4	63.7	66.5	71.2	72.0	72.8	73.2	73.2	73.5
07 900	54.7	54.9	64.2	67.0	71.8	72.6	73.4	73.8	73.8	74.1
06 800	55.1	55.3	64.7	67.5	72.3	73.1	73.9	74.3	74.3	74.6
05 700	55.7	55.9	65.4	68.2	73.0	73.8	74.6	75.0	75.0	75.3
04 600	56.2	56.4	66.0	68.8	73.6	74.4	75.2	75.6	75.6	75.9
03 500	56.1	56.3	71.1	75.7	82.5	84.2	85.6	89.0	89.3	91.4
02 400	56.2	56.4	71.4	76.0	83.1	84.9	87.7	90.4	91.4	93.7
01 300	56.2	56.5	71.5	76.1	83.2	85.1	87.9	90.6	91.7	94.3
00 200	56.2	56.5	71.5	76.1	83.2	85.1	87.8	90.6	91.7	94.5
08 100	56.2	56.5	71.5	76.1	83.2	85.1	87.8	90.6	91.7	94.5
07 000	56.2	56.5	71.5	76.1	83.2	85.1	87.8	90.6	91.7	94.5

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 93
MONTH: DEC HOURS: 15-17

CEILING IN METERS										
VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
24.7	24.9	25.3	25.3	25.5	25.5	25.5	25.5	25.5	25.5	25.9
31.9	32.2	32.6	32.6	32.8	32.9	32.9	32.9	32.9	32.9	33.5
31.9	32.3	32.7	32.7	32.9	32.9	33.0	33.0	33.0	33.0	33.7
31.9	32.3	32.7	32.7	32.9	32.9	33.0	33.0	33.0	33.0	33.7
32.3	32.6	33.0	33.0	33.2	33.2	33.3	33.3	33.3	33.3	34.0
32.9	33.2	33.7	33.7	33.9	33.9	34.0	34.0	34.0	34.0	34.6
34.7	35.2	35.6	35.6	35.8	35.9	35.9	35.9	35.9	35.9	36.6
35.7	36.1	36.5	36.5	36.9	36.9	37.0	37.0	37.0	37.0	37.6
40.3	40.6	40.1	40.1	40.4	40.4	40.5	40.5	40.5	40.5	41.2
42.3	41.3	41.8	41.8	42.2	42.2	42.3	42.3	42.3	42.3	42.9
42.9	41.8	42.4	42.4	42.7	42.7	42.8	42.8	42.8	42.8	43.4
45.4	46.1	45.5	45.8	46.3	46.3	46.6	46.5	46.5	46.5	47.2
51.7	52.1	52.8	51.2	51.9	52.0	52.3	52.3	52.3	52.3	52.9
54.3	56.8	56.5	57.0	57.2	58.0	58.2	58.2	58.2	58.2	58.8
57.4	59.0	59.4	60.2	61.1	61.2	61.4	61.4	61.4	61.4	62.0
61.2	62.9	63.9	64.3	65.2	65.4	65.6	65.6	65.6	65.6	66.2
66.4	66.2	66.1	66.6	67.4	67.5	67.8	68.0	68.0	68.0	68.6
70.3	70.9	71.0	71.4	72.3	72.5	72.7	72.8	72.8	72.8	73.4
73.2	71.0	71.9	72.4	73.2	73.4	73.7	73.8	73.8	73.8	74.4
78.0	75.6	76.6	77.0	78.0	78.2	78.4	78.5	78.5	78.5	79.1
79.7	78.5	79.5	79.9	80.9	81.1	81.3	81.4	81.4	81.4	82.0
82.8	83.1	83.2	83.6	83.5	83.8	84.0	84.1	84.1	84.1	84.7
84.5	84.9	85.6	86.0	86.2	86.4	86.6	86.7	86.7	86.7	87.4
86.5	86.7	87.2	87.5	88.3	87.1	87.3	87.4	87.4	87.4	88.1
88.9	89.2	89.9	89.3	89.3	89.2	89.5	89.6	89.6	89.6	90.2
90.6	90.7	91.6	91.8	92.0	92.3	92.5	92.7	93.0	93.1	93.8
94.2	94.7	95.4	95.8	96.2	96.3	96.5	96.6	96.9	97.0	97.6
96.1	96.8	97.6	97.8	98.3	98.5	98.7	98.8	98.9	99.0	99.4
96.1	96.8	97.6	97.8	98.3	98.5	98.7	98.8	98.9	99.0	99.4
96.1	96.8	97.6	97.8	98.3	98.5	98.7	98.8	98.9	99.0	100.0

OPERATING LOCATION "AW"
USAATTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53553 STATION NAME: UPPER BEYERD AAF NC
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	GE 11?	GE ??	GE 30	GE 50	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	22.5	22.7	24.7	25.7	27.3	27.6	28.2	28.3	28.3	28.3
GE 20000	28.5	28.3	28.0	29.0	30.6	31.0	31.5	31.5	31.5	32.7
GE 18000	28.5	28.3	28.0	29.0	30.6	31.0	31.5	31.6	31.6	32.7
GE 16000	28.5	28.5	28.0	29.0	30.6	31.0	31.5	31.6	31.6	32.7
GE 14000	28.7	28.7	28.1	29.1	30.7	31.1	31.6	31.7	31.7	32.8
GE 12000	28.9	28.8	28.8	29.8	31.4	31.8	32.3	32.4	32.4	33.5
GE 10000	27.2	27.4	30.4	31.5	33.1	33.4	34.4	34.5	34.5	35.6
GE 9000	31.7	31.9	31.9	33.0	34.6	34.9	35.9	36.0	36.0	37.2
GE 8000	31.7	31.4	32.3	33.5	35.3	35.7	36.2	36.3	36.3	37.5
GE 7000	32.3	32.3	33.3	34.7	36.5	36.9	37.5	37.6	37.6	38.8
GE 6000	32.3	32.3	33.3	34.7	36.5	36.9	37.5	37.6	37.6	38.8
GE 5000	33.7	33.8	34.8	36.2	38.0	38.5	39.3	39.4	39.4	40.7
GE 4500	36.5	37.1	41.5	43.1	45.5	46.0	47.2	47.4	47.4	48.7
GE 4000	41.2	41.2	44.2	47.7	50.2	50.6	51.9	52.0	52.0	53.4
GE 3500	43.4	43.4	47.0	50.5	53.2	53.7	55.0	55.2	55.2	56.6
GE 3000	45.6	45.7	51.4	53.1	56.3	56.2	57.1	57.3	57.3	58.8
GE 2500	47.2	47.4	53.2	54.9	57.5	58.1	59.2	59.4	59.5	61.0
GE 2000	53.1	53.4	57.0	58.8	61.6	62.3	64.0	64.2	64.2	65.8
GE 1800	56.6	61.3	63.0	63.9	67.7	68.1	69.1	69.4	69.4	71.1
GE 1600	64.7	65.4	67.3	68.9	68.5	69.3	70.3	70.5	70.5	72.3
GE 1200	66.4	66.5	66.4	66.7	70.5	71.2	72.1	72.4	72.4	74.2
GE 1000	67.0	67.4	66.7	69.1	73.5	74.4	75.9	77.4	77.4	79.3
GE 900	67.4	67.2	67.3	69.9	74.5	75.4	77.4	78.9	78.9	80.9
GE 800	67.4	68.3	69.7	72.6	77.4	78.3	81.5	82.4	82.4	84.7
GE 700	69.3	69.1	70.1	72.9	78.1	79.7	82.4	83.4	83.4	85.8
GE 600	69.4	69.6	71.0	73.8	79.5	81.1	84.1	85.4	85.7	88.2
GE 500	69.1	69.8	72.3	75.1	80.9	82.9	86.0	87.5	87.7	91.1
GE 400	69.1	69.8	72.3	75.3	81.2	83.2	86.7	88.6	88.1	92.4
GE 300	69.1	69.8	72.3	75.3	81.2	83.2	86.9	89.1	89.7	93.6
GE 200	69.1	69.8	72.3	75.3	81.2	83.2	86.9	89.4	90.0	94.4
GE 100	69.1	69.8	72.3	75.3	81.2	83.2	86.9	89.4	90.1	94.5
GE 000	69.1	69.8	72.3	75.3	81.2	83.2	86.9	89.4	90.1	94.5

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 75 - JUN 88
MONTH: DEC HOURS: 13-20

CEILING IN METERS / VISIBILITY IN METERS

GE 45	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	28.2	28.3	28.3	29.2	29.2	29.5	29.5	29.7	30.0	30.0
[illegible]	31.5	31.6	31.6	32.7	32.8	33.0	33.1	33.3	33.7	33.7
[illegible]	31.5	31.6	31.6	32.7	32.8	33.0	33.1	33.3	33.7	33.7
[illegible]	31.5	31.6	31.6	32.7	32.8	33.0	33.1	33.3	33.7	33.7
[illegible]	31.6	31.7	31.7	32.8	32.9	33.1	33.2	33.4	33.8	33.8
[illegible]	32.0	32.2	32.2	33.2	33.3	33.5	33.7	33.9	34.2	34.2
[illegible]	34.4	34.6	34.6	35.6	35.7	35.9	36.0	36.2	36.6	36.6
[illegible]	35.9	36.0	36.0	37.1	37.2	37.4	37.5	37.7	38.1	38.1
[illegible]	42.2	42.5	42.5	41.6	41.7	41.9	42.0	42.3	42.6	42.6
[illegible]	41.6	41.8	41.8	42.9	43.0	43.2	43.3	43.6	43.9	43.9
[illegible]	41.5	41.7	41.8	42.9	43.0	43.2	43.3	43.6	43.9	43.9
[illegible]	44.3	44.7	44.7	45.1	45.2	45.5	45.6	46.0	47.1	47.1
[illegible]	47.3	47.4	47.4	49.0	49.9	50.1	50.2	50.4	50.8	50.8
[illegible]	52.5	53.0	53.0	54.6	54.8	55.1	55.2	55.4	55.7	55.7
[illegible]	53.3	53.9	53.9	57.6	57.8	58.1	58.2	58.4	58.7	58.7
[illegible]	58.1	58.6	58.6	60.3	60.5	60.8	60.9	61.1	61.4	61.4
[illegible]	60.0	60.5	60.5	62.3	62.5	62.7	62.8	63.0	63.3	63.3
[illegible]	64.0	64.7	64.7	66.5	66.7	66.9	67.0	67.2	67.5	67.5
[illegible]	65.1	65.5	65.5	67.5	67.7	68.0	68.1	68.3	68.6	68.6
[illegible]	70.9	71.6	71.6	73.7	74.0	74.2	74.4	74.6	74.9	74.9
[illegible]	73.1	73.9	73.9	75.9	76.2	76.5	76.7	76.9	77.2	77.2
[illegible]	76.9	77.5	77.5	79.9	80.2	80.4	80.6	80.9	81.2	81.2
[illegible]	77.5	78.6	78.6	80.9	81.2	81.4	81.6	81.9	82.2	82.2
[illegible]	81.5	82.4	82.4	84.7	85.1	85.3	85.6	85.7	86.0	86.0
[illegible]	82.4	83.4	83.4	86.1	86.5	86.7	86.9	87.1	87.4	87.4
[illegible]	84.1	85.6	85.7	88.6	88.9	89.1	89.4	89.6	89.9	89.9
[illegible]	86.0	87.5	87.7	91.1	91.4	91.6	91.8	92.0	92.4	92.4
[illegible]	86.7	88.6	89.1	92.6	93.0	93.2	93.4	93.7	94.0	94.0
[illegible]	86.9	89.1	89.7	93.5	94.0	94.2	94.4	94.6	95.2	95.3
[illegible]	86.9	89.4	90.0	94.4	95.3	95.5	95.8	96.2	96.8	97.5
[illegible]	86.9	89.4	90.1	94.5	95.5	95.7	96.0	96.3	97.8	99.6
[illegible]	86.9	89.4	90.1	94.5	95.5	95.7	96.0	96.3	97.8	100.0

OPERATING LOCATION MAP
USAASTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35563 STATION NAME: UPPER HAYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	≥ 11200	≥ 8000	≥ 6400	≥ 5000	≥ 4000	≥ 3200	≥ 2500	≥ 2000	≥ 1600	≥ 1
NO CEIL	25.2	25.4	27.7	29.0	31.4	31.6	32.2	33.0	33.0	33.
≥ 20000	25.5	25.8	27.2	30.5	32.9	33.3	33.5	34.5	34.7	35.
≥ 15000	25.5	25.8	27.2	30.5	32.9	33.3	33.5	34.5	34.5	35.
≥ 14000	25.5	25.8	27.2	30.5	32.9	33.3	33.5	34.5	34.5	35.
≥ 13000	25.5	25.8	27.2	30.5	32.9	33.3	33.5	34.5	34.5	35.
≥ 12000	25.5	25.8	27.2	30.5	32.9	33.3	33.5	34.5	34.5	35.
≥ 11000	28.1	28.4	31.2	32.5	34.9	35.1	35.3	36.3	36.3	37.
≥ 9000	30.4	30.7	32.5	33.9	36.3	36.7	37.3	38.3	38.3	39.
≥ 8000	32.3	32.6	35.1	37.5	40.2	40.3	40.7	41.7	41.7	42.
≥ 7000	32.7	33.0	35.5	38.9	41.3	41.1	41.5	42.5	42.5	43.
≥ 6000	33.	33.2	35.7	39.1	41.1	41.5	42.5	43.5	43.1	43.
≥ 5000	34.3	34.7	37.3	40.3	43.5	44.1	45.1	46.3	46.2	47.
≥ 4500	35.2	35.7	41.2	42.5	45.7	46.3	47.4	48.4	48.5	49.
≥ 4000	42.4	41.8	46.3	47.3	50.5	51.3	51.8	53.2	53.4	54.
≥ 3500	44.5	44.9	49.3	51.5	55.1	55.5	56.2	57.7	58.3	59.
≥ 3000	47.3	47.6	52.1	54.4	58.2	58.9	60.3	61.6	61.7	62.
≥ 2500	49.7	49.7	55.4	57.1	61.2	61.9	63.2	64.4	64.1	65.
≥ 2000	51.4	51.4	57.4	60.1	64.1	64.9	66.3	67.3	67.5	68.
≥ 1800	51.7	52.4	58.9	62.5	66.6	66.6	68.1	69.2	69.1	69.
≥ 1600	55.1	55.9	62.7	64.7	68.8	69.7	71.1	72.3	72.3	73.
≥ 1200	56.7	57.1	64.8	66.5	70.9	71.7	73.2	74.4	74.4	75.
≥ 1000	59.1	59.5	66.6	68.6	73.3	74.4	75.1	77.1	77.3	77.
≥ 800	61.4	61.4	67.6	69.7	74.5	75.5	77.7	78.7	78.9	80.
≥ 600	61.7	62.1	70.0	72.4	77.5	78.3	81.1	82.3	82.6	84.
≥ 500	61.9	62.3	70.9	73.2	78.5	80.2	82.6	84.3	84.3	86.
≥ 400	61.9	62.3	71.3	73.7	79.0	81.1	83.7	85.8	85.4	87.
≥ 300	62.1	62.5	72.3	74.7	80.0	82.2	84.7	87.0	87.3	88.
≥ 200	62.1	62.5	72.3	74.8	80.5	82.8	85.0	87.3	87.6	91.
≥ 100	62.2	62.7	72.5	75.1	81.1	83.5	85.8	88.1	88.5	92.
≥ 50	62.2	62.7	72.5	75.1	81.1	83.8	86.5	89.5	90.4	93.
≥ 0	62.2	62.7	72.5	75.1	81.1	83.8	86.5	89.5	90.4	93.

TOTAL NUMBER OF OBSERVATIONS 939

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 76 - JUN 86
MONTH: DEC HOURS: 21-23

CEILING IN METERS / VISIBILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	33.0	33.0	33.0	33.[illegible]	34.1	34.2	34.6	35.1	35.2	35.4
	34.5	34.5	34.5	35.3	35.5	35.7	35.1	35.5	36.7	36.9
	34.5	34.5	34.5	35.3	35.5	35.7	36.1	36.5	36.7	36.9
	34.5	34.5	34.5	35.3	35.5	35.7	36.1	36.5	36.7	36.9
	34.5	34.5	34.5	35.3	35.5	35.7	36.1	36.5	36.7	36.9
	35.5	35.5	35.5	37.3	37.5	37.7	38.2	38.5	38.7	38.9
	38.3	38.3	38.3	39.7	39.9	39.1	39.6	40.0	40.1	40.3
	41.3	41.3	41.3	42.5	42.9	43.0	43.4	43.9	44.0	44.2
	42.9	42.9	42.9	43.7	44.0	44.1	44.5	44.9	45.1	45.3
	43.0	43.0	43.1	43.9	44.2	44.3	44.7	45.2	45.3	45.5
	46.0	46.0	46.2	47.2	47.5	47.6	48.1	48.5	48.6	48.8
	48.4	48.4	48.6	49.7	50.0	50.1	50.5	51.0	51.1	51.3
	53.2	53.2	53.4	54.5	55.2	55.3	55.7	56.1	56.2	56.5
	57.7	57.7	58.0	59.4	59.7	59.8	60.2	60.5	60.8	61.0
	61.0	61.0	61.2	62.5	62.9	63.0	63.4	63.9	64.0	64.2
	63.9	63.9	64.1	65.5	65.8	65.9	66.3	66.8	66.9	67.1
	67.3	67.3	67.5	69.1	69.5	69.6	70.0	70.4	70.5	70.8
	67.8	67.8	68.1	69.7	70.0	70.1	70.5	71.0	71.1	71.3
	72.0	72.0	72.3	73.9	74.2	74.3	74.7	75.2	75.3	75.5
	74.2	74.2	74.4	76.0	76.3	76.5	76.9	77.3	77.4	77.8
	77.1	77.1	77.3	79.0	79.4	79.5	79.9	80.3	80.4	81.0
	78.7	78.7	79.0	80.6	81.0	81.1	81.5	81.9	82.0	82.6
	82.3	82.3	82.6	84.5	84.8	84.9	85.4	85.8	85.9	86.5
	84.0	84.0	84.2	85.5	85.8	86.9	87.3	87.7	87.8	88.4
	85.2	85.2	85.4	87.7	88.1	88.2	88.6	89.0	89.1	89.7
	87.0	87.0	87.5	89.9	90.2	90.3	90.8	91.2	91.3	91.8
	88.0	88.0	88.5	91.4	91.8	91.9	92.4	92.8	92.9	93.4
	89.1	89.1	89.9	92.9	93.3	93.4	93.9	94.3	94.4	95.2
	89.5	89.5	90.4	93.7	94.5	94.5	95.2	95.9	96.3	97.5
	89.6	89.6	90.4	93.7	94.6	94.7	95.3	96.1	97.2	99.4
	89.6	89.6	90.4	93.7	94.6	94.7	95.3	96.1	97.4	100.0

ORIGINATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 03088 STATION NAME: UPPER HEYFORD RAF UK PERI
LST TO UTC: - 0 MONT

CEILING IN HUNDREDS OF FEET	VISIBILITY IN METERS									
ALL CEIL	23.1	23.3	24.	28.7	27.3	27.5	27.9	29.	29.3	29.
	25.3	25.	28.3	29.5	31.3	31.6	32.1	33.2	34.	33.
	25.3	25.	28.3	29.3	31.3	31.5	32.1	33.	33.2	33.7
	25.3	25.	28.3	29.5	31.3	31.5	32.1	33.2	33.2	33.7
	25.4	25.5	28.5	29.6	31.4	31.7	32.2	33.1	33.3	33.
	25.5	25.7	29.1	30.3	31.5	32.1	32.6	33.3	33.7	34.1
	27.1	27.	30.8	31.9	33.4	34.2	34.	35.	35.	35.
	32.	32.	31.7	32.	34.	34.1	35.	36.	37.3	37.
	35.	35.	35.9	36.2	36.3	36.7	37.	38.	38.7	39.
	41.1	41.	35.9	37.1	39.4	39.	40.	41.	41.9	42.
	41.	41.	36.1	37.4	39.7	40.1	41.	41.9	42.2	42.
	43.4	43.7	44.	45.9	47.4	48.2	48.9	49.	49.2	49.
	45.	45.	45.1	46.7	48.2	48.	49.	49.	49.1	49.
	47.1	47.	45.9	47.7	50.4	51.3	52.1	53.4	53.7	54.
	48.1	48.	46.3	48.1	52.7	53.5	54.7	55.9	56.3	57.
	54.3	54.7	51.	52.	55.3	56.6	57.	58.	58.5	59.
	57.	57.	52.	54.	58.	59.2	60.	61.	61.	62.
	60.5	60.	56.3	58.	61.3	63.5	64.	65.	65.	66.
	60.	60.	57.	59.	62.	63.	64.	65.	65.	67.
	62.3	62.	61.3	63.	67.2	68.	69.	71.	71.	72.
	64.	64.	63.	66.	69.	71.	72.	73.	74.	75.
	66.	66.	65.	68.	72.	73.	74.	75.	77.	78.
	68.	68.	69.	69.	73.	74.	75.	76.	77.	78.
	69.	69.	69.	71.	75.	77.	78.	79.	81.	82.
	69.	69.	69.	71.	75.	78.	78.	80.	82.	84.
	69.	70.	69.	72.	77.	79.	81.	83.	84.	86.
	72.	72.	73.	73.	77.	81.	83.	86.	88.	90.
	73.	73.	73.	74.	78.	81.	84.	87.	89.	91.
	73.	73.	73.	74.	78.	82.	85.	88.	90.	92.
	73.	73.	73.	74.	78.	82.	85.	88.	90.	92.
	73.	73.	73.	74.	78.	82.	85.	88.	90.	92.

TOTAL NUMBER OF OBSERVATIONS 7443

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 74 - JUN 83
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	10	7	5	3	2	1	1/2	1/4	0	CUM
22000	27.9	28.1	28.3	28.4	28.5	28.7	28.7	30.0	30.2	30.7
15000	33.1	33.3	34.2	34.5	34.7	34.9	34.9	34.5	34.5	35.0
10000	33.1	33.3	34.2	34.7	34.9	35.1	35.1	34.8	34.8	35.1
5000	33.1	33.3	34.2	34.7	34.9	35.1	35.1	34.8	34.8	35.1
3000	33.2	33.4	34.3	34.8	35.0	35.2	35.2	35.0	35.0	35.2
2000	33.6	33.8	34.7	35.1	35.3	35.4	35.4	35.3	35.3	35.6
1500	34.4	34.6	35.5	35.9	36.1	36.2	36.2	37.1	37.4	37.9
1000	36.1	36.3	37.2	37.6	37.8	38.0	38.0	38.2	38.4	38.9
700	39.6	39.8	40.7	41.1	41.4	41.6	41.7	41.9	42.2	42.7
500	41.6	41.8	42.7	43.1	43.4	43.7	43.8	43.1	43.3	43.9
400	42.3	42.5	43.4	43.8	44.1	44.3	44.4	43.6	43.8	44.3
300	45.1	45.3	46.2	46.6	46.9	47.1	47.2	46.4	46.7	47.5
200	47.2	47.4	48.3	48.7	49.0	49.2	49.3	48.5	48.7	49.5
150	50.1	50.4	51.3	51.7	52.0	52.2	52.3	51.4	51.7	52.5
100	54.7	55.0	55.9	56.3	56.6	56.8	56.9	56.1	56.4	57.3
50	57.6	57.9	58.8	59.2	59.5	59.7	59.8	59.0	59.3	60.2
30	61.6	61.9	62.8	63.2	63.5	63.7	63.8	63.0	63.3	64.2
20	63.4	63.7	64.7	65.1	65.4	65.6	65.7	64.9	65.2	66.1
15	64.6	64.9	65.8	66.2	66.5	66.7	66.8	66.0	66.3	67.2
10	66.7	67.0	67.9	68.3	68.6	68.8	68.9	68.1	68.4	69.3
7	67.6	67.9	68.8	69.2	69.5	69.7	69.8	69.0	69.3	70.2
5	68.4	68.7	69.6	70.0	70.3	70.5	70.6	69.8	70.1	71.0
4	69.1	69.4	70.3	70.7	71.0	71.2	71.3	70.5	70.8	71.7
3	70.4	70.7	71.6	72.0	72.3	72.5	72.6	71.8	72.1	73.0
2	72.4	72.7	73.6	74.0	74.3	74.5	74.6	73.8	74.1	75.0
1	74.4	74.7	75.6	76.0	76.3	76.5	76.6	75.8	76.1	77.0
0	75.4	75.7	76.6	77.0	77.3	77.5	77.6	76.8	77.1	78.0

OPERATING LOCATION "A"
DETACHMENT?, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C[illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

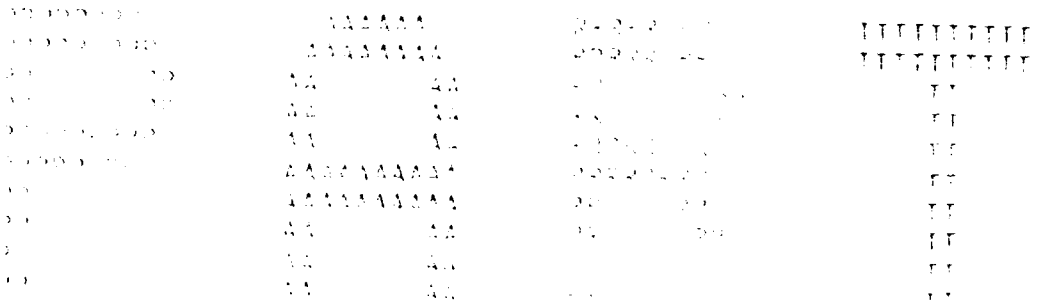
CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	2?.7	[illegible]	27.?	2?.1	??.7	30.1	[illegible]	31.1	31.8	[illegible]
[illegible]	[illegible]	[illegible]	32.?	33.7	35.?	35.1	[illegible]	37.?	37.6	37.
[illegible]	[illegible]	[illegible]	32.?	33.6	35.?	35.3	[illegible]	[illegible]	37.7	[illegible]
1[illegible]	[illegible]	[illegible]	32.?	33.?	35.?	35.3	[illegible]	37.?	37.7	[illegible]
14[illegible]	[illegible]	[illegible]	32.?	34.?	35.?	35.4	37.?	37.6	37.	[illegible]
1[illegible]	?0.1	[illegible]	33.?	34.?	35.?	37.1	37.7	[illegible]	[illegible]	[illegible]
1000?	?1.1	?1.	[illegible]	37.1	39.?	39.7	[illegible]	41.1	41.?	41.?
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43.1	4?.7	41.?	[illegible]	[illegible]	[illegible]
[illegible]	3?.?	[illegible]	[illegible]	41.7	44.1	44.7	[illegible]	[illegible]	[illegible]	[illegible]
7[illegible]	[illegible]	[illegible]	41.?	42.7	45.1	[illegible]	45.?	47.?	47.?	47.
[illegible]	[illegible]	7.?	42.?	43.7	45.?	[illegible]	47.7	[illegible]	47.?	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	47.?	50.?	51.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	4?.7	[illegible]	[illegible]	52.3	53.?	55.1	5?.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	4?.7	53.?	57.?	50.?	51.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	41.?	[illegible]	[illegible]	64.3	6?.?	[illegible]	67.?	67.?	[illegible]
[illegible]	[illegible]	[illegible]	6?.?	[illegible]	[illegible]	[illegible]	71.1	7?.?	72.?	7?.1
[illegible]	[illegible]	[illegible]	[illegible]	67.?	71.1	72.?	7?.?	[illegible]	[illegible]	[illegible]
[illegible]	67.?	[illegible]	67.?	[illegible]	74.?	75.1	75.?	77.?	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	67.7	7?.?	74.?	75.?	77.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	7?.?	77.?	77.4	7?.7	[illegible]	[illegible]	[illegible]	[illegible]
1??	[illegible]	?1.	71.?	74.?	7?.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	7?.7	7?.?	?1.?	??.7	[illegible]	[illegible]	[illegible]	7.
[illegible]	[illegible]	[illegible]	73.1	76.?	81.?	83.4	[illegible]	?5.7	7.4	[illegible]
[illegible]	[illegible]	[illegible]	73.?	77.4	83.?	84.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	74.?	77.?	83.?	85.7	?7.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	74.?	7?.?	84.4	?5.?	[illegible]	[illegible]	91.?	91.?
[illegible]	[illegible]	[illegible]	7?.1	7?.?	85.?	87.3	[illegible]	91.?	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	75.?	7?.?	85.?	87.?	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	?4.1	75.?	7?.1	85.7	?7.?	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	?4.1	75.	77.1	?5.7	87.?	93.3	93.?	94.1	[illegible]
1??	[illegible]	?4.1	75.?	77.1	85.7	87.?	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	?4.1	7?.?	79.1	?5.7	7.?	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL [illegible] OBSERVATIONS: 7?4?

...QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...FROM HOURLY OBSERVATIONS

... OF ... PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: ALL HOURS: ALL

...ITY IN METERS									
...	...	...	...	...	...	...	...	...	...
...	24	20	16	12	10	08	06	04	00
...6	31.1	31.3	31.5	31.6	31.7	31.9	31.9	32.0	32.2
...1	37.3	37.5	37.7	38.0	38.1	38.2	38.3	38.4	38.7
...9	37.6	37.7	38.0	38.2	38.2	38.3	38.4	38.6	38.8
...3	37.5	37.7	38.2	38.2	38.3	38.3	38.4	38.6	38.9
37.2	37.6	37.8	38.1	38.3	38.4	38.5	38.6	38.7	39.0
37.7	38.3	38.5	38.8	39.0	39.1	39.2	39.3	39.4	39.7
...4	41.1	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.5
41.4	42.5	42.8	42.5	42.7	42.8	42.9	43.1	43.2	43.5
43.3	43.2	44.4	44.7	45.0	47.0	47.1	47.3	47.4	47.7
45.0	47.3	47.5	47.8	47.1	48.2	48.3	48.4	48.6	48.8
47.7	48.4	48.7	49.0	49.2	49.3	49.4	49.5	49.7	50.0
...2	53.1	53.4	53.7	54.0	54.1	54.2	54.3	54.5	54.8
57.1	58.3	58.3	58.7	59.0	59.1	59.1	59.3	59.5	59.8
64.7	64.8	64.1	64.4	64.8	65.0	65.1	65.2	65.4	65.7
68.4	67.4	67.6	68.0	68.5	68.7	68.8	68.9	69.1	69.4
71.1	72.2	72.4	73.1	73.4	73.5	73.6	73.8	74.0	74.3
74.4	74.9	75.0	75.4	75.8	76.0	76.1	76.2	76.4	76.7
75.4	77.6	78.1	78.7	79.0	79.1	79.2	79.4	79.6	79.9
77.1	78.3	78.5	79.3	79.7	79.8	79.9	80.1	80.2	80.6
81.1	81.6	82.0	82.6	82.9	83.0	83.1	83.3	83.6	83.8
85.4	85.7	86.3	86.9	86.3	86.4	86.5	86.7	86.9	86.2	
...4	86.6	86.6	87.2	87.6	87.7	87.9	88.0	88.2	88.5
89.2	89.7	89.9	90.0	90.4	90.6	90.7	90.9	91.0	91.4
90.6	90.8	90.9	91.2	91.0	91.2	91.3	91.5	90.7	91.0
91.7	92.5	92.7	91.0	91.6	91.6	91.8	92.0	92.1	92.5
92.3	92.8	91.0	91.9	92.4	92.6	92.7	92.9	93.1	93.4
94.0	94.4	94.7	93.7	94.3	94.5	94.7	94.9	95.1	95.5
95.4	95.6	95.8	96.0	96.3	96.5	96.5	96.0	96.2	96.6
96.4	96.9	96.9	97.2	97.0	97.0	97.4	97.5	97.2	97.7
97.8	98.0	98.1	98.5	98.4	98.9	97.2	97.7	98.1	98.8
98.1	98.3	98.3	98.5	98.5	97.0	97.3	98.0	98.5	99.8
99.3	99.4	99.3	99.4	99.5	97.0	97.3	98.0	98.5	100.0



PART

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (PO
THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND
POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESP
SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS A
YEAR. DATA IS DISPLAYED USING 5-DEGREE RANGES (I.E. FR
GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR WBG
STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE

TE 1. BEGINNING IN JANUARY 1960, DAILY MAXIMUM AND MI
DANE ROUTINELY FROM HOURLY OBSERVATIONS AS PART OF
DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. SEE
PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

NTHLY TEMPERATURES.
ALSO FROM SUMMARY OF DAY DATA, THESE TABLES GIVE MONTHL
RATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERA
MONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDIC
ERIOD LESS THAN 90% OF THE DATA ARE AVAILABLE. AN AST
WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MONTHLY TEMPERATURE.
ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TE
OR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) I
MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILAB
A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE

WET BULB, DRY BULB, AND DEW POINT TEMPERATURES.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--TH

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MO

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATIONS ARE
THE MEAN NUMBER OF HOURS WITH TEMPERATURES IN EACH 5
RANGES AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE
"ENGINEERING WEATHER DATA," AWS AWSP 105-1, MAY 1970.

T 1. WINTER WET BULB AND DEW POINT MEANS FROM STATIO
MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERA
F, WET BULB TEMPERATURES ARE NOT REPORTED (PMN-1).
DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BUL
ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME MO
MEAN WET BULB TEMPERATURES MAY ACTUALLY BE USABLE AS
COLD TEMPERATURES.

PART I

PERATURE AND RELATIVE HUMIDITY SUMMARIES

ULATIVE PERCENT OCCURRENCE FREQUENCY (PDF).
E CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE
M, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS
ONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE
ISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5,
THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS,
TIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

IN JANUARY 1948, DAILY MAXIMUM AND MINIMUM TEMPERATURES
FROM HOURLY OBSERVATIONS ON AWS FORMS 13/10A OR FROM AUTOMATED
FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY"
INFORMATION ON REPORTING PRACTICES.

S.
BY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMP-
TH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN,
OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR
DAYS OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S)
MISSING AND/OR INCOMPLETE MONTHS.

ATURES
BY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH,
AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A
LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES
OR MORE MISSING AND/OR INCOMPLETE MONTHS.

AND DEW POINT TEMPERATURES.
ON AT 3-HR HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

IN STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

L YEARS AND ALL HOURS COMBINED).

YEARS AND ALL HOURS COMBINED).

VISIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.
OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO
ED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 53-21,
ATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS
TH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES
PERATURES ARE NOT REPORTED (FMH-12). AS A RESULT, WINTER MEAN
(AND FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE
THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT,
PERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMAR
TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MA
ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE
MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: F = 1.8C + 32

C = K - 273.0 (PRIOR TO 1
C = K - 273.2 (SINCE 1 JAN

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQU
CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE
HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERV
THE DATA IS SUMMARIZED AS FOLLOWS:

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

AT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW"
RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES
ED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES
SLIGHT "WARM" BIAS.

NVERSIONS: F = 1.8C + 32

C = K - 273.0 (BEFORE 5 APRIL 77)
C = K - 273.2 (SINCE 5 APRIL 77)

ITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).
HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE
10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED.
SUMMARIZED AS FOLLOWS:

3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

(ALL YEARS AND ALL HOURS COMBINED).

(ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'
ASHEVILLE, NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FOR SUMMARY OF

STATION NUMBER: 53803 STATION NAME: UPPER AIR SAF JR
LST TO UTC: +05

TEMP (D-B-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
27	33						.1	.1
28	48				.1	.3	1.1	.7
29	58				.4	1.7	4.9	4.3
30	78				1.5	5.1	13.4	12.5
31	72			.2	4.7	22.4	33.3	33.1
32	87		.7	3.7	14.5	47.3	71.7	70.5
33	94	.2	3.3	14.4	44.1	76.3	92.	97.3
34	98	1.2	13.3	42.1	76.3	96.3	99.3	99.3
35	99	14.4	17.1	62.7	79.7	99.3	99.3	100.
36	47	41.4	77.1	92.3	99.7	100.		
37	93	46.1	91.4	99.3	100.			
38	97	76.3	97.3	99.3				
39	98	92.4	99.3	99.3				
40	99	98.7	99.3	100.				
41	99	99.7	99.7					
42	99	100.	100.					

MEAN	42.2	42.4	47.5	53.2	59.3	64.2	69.5	67.1
SD	5.67	5.67	6.20	5.14	5.45	4.22	3.71	4.19
TOTAL OBS	1141	1031	1139	1079	1093	1094	1093	1074

PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

[illegible] AFB, IA

PERIOD OF RECORD: 5111-9306
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
		.1	.1					.0
.1	.2	1.1	.7					.2
.4	1.7	4.9	4.0	.7				1.0
1.5	3.1	13.8	12.6	3.2	.3			3.5
4.7	22.4	32.0	33.2	13.9	1.6			9.7
14.6	47.2	71.7	65.6	33.6	6.4			20.9
44.1	71.3	97.2	95.9	72.6	29.5	1.5		36.4
76.3	96.2	99.8	99.8	96.9	66.6	15.4	.3	60.5
96.5	99.9	100.0	100.0	99.4	92.0	46.4	25.1	87.0
99.9	100.0			100.0	99.6	74.6	61.9	80.9
100.0					100.0	92.2	78.9	90.6
						99.2	93.1	97.0
						99.7	97.2	99.5
						99.9	99.4	99.9
						100.0	100.0	100.0
								100.0

83.3	94.9	93.5	97.3	93.9	86.5	48.4	44.4	84.8
5.45	5.29	5.71	5.49	5.37	5.33	3.79	5.37	11.24
1093	1094	1053	1075	1038	1100	1092	1128	13014

OPERATIONS LOCATION: [illegible]
HUNTING, FAYETTEVILLE, NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

STATION NUMBER: 386633 STATION NAME: UPPER KLYFORK [illegible]
LST TO UTC: +00

TEMP (DEG F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
[illegible]						.1	.1	.1
[illegible]						2.1	7.1	7.2
[illegible]				.1	1.7	14.9	31.1	41.3
[illegible]	.1	.1	.4	1.9	14.3	43.2	71.1	81.1
[illegible]	.1	.3	2.1	16.3	41.3	77.1	93.1	97.1
[illegible]	1.7	10.1	28.3	49.3	74.3	93.3	100.0	
[illegible]	12.4	42.3	63.4	81.2	97.4	100.0		
[illegible]	41.3	75.1	74.2	93.5	99.7			
[illegible]	71.1	93.2	97.3	99.2	100.0			
[illegible]	91.2	97.3	99.3	99.9				
[illegible]	97.1	99.1	99.9	100.0				
[illegible]	99.1	99.9	100.0					
[illegible]	99.9	100.0						
[illegible]	100.0							

MEAN	33.7	34.2	39.9	50.3	64.4	73.5	78.4	76.1
SD	6.81	6.61	6.51	6.14	4.95	4.57	3.93	4.21
TOTAL OBS	1141	1031	1143	1039	1233	1154	1253	1275

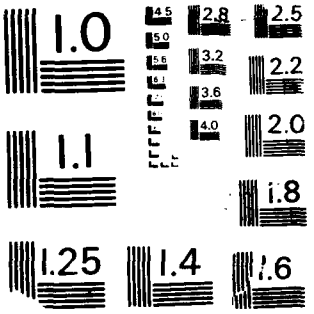
PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

[illegible] AFB, [illegible] PERIOD OF RECORD: 5111-9806
MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
		.1	.1	.1					.0
		2.1	[illegible]	7.2	1.2	.2			1.4
.1	1.7	14.4	[illegible]	[illegible]	14.9	4.5	.4		9.4
.1	14.3	[illegible]	[illegible]	31.1	[illegible]	24.5	4.9	2.0	26.4
.2	31.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11.5	44.3
.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.1	20.3	61.1
.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.1	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.2	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]
.1						[illegible]	[illegible]	[illegible]	[illegible]
.							[illegible]	[illegible]	[illegible]
								[illegible]	[illegible]
								[illegible]	[illegible]
								[illegible]	[illegible]

.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER 7/3
HEYFORD RAF (UNITED KINGDOM)(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89
UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL


1.0
1.1
1.25
1.4
1.6
2.8
2.5
3.2
2.2
3.6
2.0
4.0
1.8

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
DAILY SUMMARY OF MAY DATA

[illegible] PERIOD OF RECORD: 5111-8106
[illegible] MONTHS: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
		.1	.5	.3					.1
	.1	1.4	3.3	3.6	.1				.7
	1.1	7.0	22.7	19.2	4.2	.4			4.4
.3	7.4	31.6	52.7	37.4	20..	4.4			15.5
.2	22.7	73.0	82.3	65.1	57.3	25.7	2.2	.5	32.6
1.1	70.1	94.3	94.3	100.0	88..	62.9	18.5	7.3	4[illegible].5
6.7	95.2	100.0	100.0		100.0	89.7	45.2	27.3	65.5
21.3	99.9					98.1	77.5	57.4	81.7
54.4	100.0					100.0	94.8	81.8	92.3
83.3							97.5	93.1	95.2
97.3							99.4	95.5	98.0
							100.0	99.5	99.6
								100.0	99.9
									100.0
									100.0

90.0	52.1	57.5	51.2	50.7	56.9	51.1	43.9	40.4	49.4
5.03	4.59	4.74	4.31	4.27	4.35	5.01	5.75	5.33	9.82
1079	1093	1054	1053	1075	1038	1100	1092	1128	13014

[illegible] MONTHLY MAXIMUM TEMPERATURE [illegible]
[illegible] FROM [illegible] DATA

STATION NUMBER: [illegible] STATION NAME: [illegible]
(EST TO UTC: +0)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	[illegible]	63	67	74	85	91		79
[illegible]	[illegible]	60	66	69	82	92	96	97
54	[illegible]	64	63	68	78	78	74	77
55	[illegible]	[illegible]	[illegible]	64	85	91	[illegible]	98
56	[illegible]	61	63	69	74	93	1	[illegible]
57	[illegible]	59	59	64	71	[illegible]	[illegible]	[illegible]
58	[illegible]	[illegible]	[illegible]	73**	73**	74**	[illegible]	73**
59		61	63	65	79	87	87	9
60	[illegible]	[illegible]	[illegible]	69	74	4	[illegible]	79
61	[illegible]	[illegible]	67	64	70	[illegible]	[illegible]	[illegible]
62	[illegible]	[illegible]	65	67	84	78	[illegible]	[illegible]
63	[illegible]	61	69	64	78	77	79	79
64	[illegible]	67	[illegible]	63	77	79		[illegible]
65	[illegible]	[illegible]	[illegible]	68**	74**	83	[illegible]	74**
[illegible]	[illegible]	64**	62**	63**	74**	[illegible]	[illegible]	[illegible]
67	[illegible]	[illegible]	66	[illegible]	78	79	1	[illegible]
[illegible]	[illegible]	60	[illegible]	69	81	84	[illegible]	87
[illegible]	[illegible]	67	[illegible]	68	72	77	[illegible]	[illegible]
70	[illegible]	[illegible]	[illegible]	61	74	[illegible]	[illegible]	79
71	[illegible]	[illegible]	63	71	[illegible]	[illegible]	[illegible]	[illegible]
72	[illegible]	65	[illegible]	[illegible]	84	84	[illegible]	[illegible]
73	[illegible]	63	[illegible]	69	69	85	85	
74	[illegible]	63	63	62	80	79	73	73
75	[illegible]	61	68	64	81	84	[illegible]	[illegible]
76	[illegible]	67	69	64				[illegible]
77	[illegible]	[illegible]	64	69	73	84	77	76
78	[illegible]	[illegible]	[illegible]	69	77	79	79	73
79	[illegible]	63	63	69	77	77	9	77
[illegible]	[illegible]	[illegible]	64	69	78	82	81	79
81	[illegible]	64	67	69	86	79	79	1
[illegible]	64	66	61	61	79	81	81	1
[illegible]	[illegible]	62	69	81	84	83	[illegible]	82
84	[illegible]	62	62	72	79	87	[illegible]	89
[illegible]	[illegible]	64	64	64	86	82	81	78

MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

[illegible] AFB, [illegible] PERIOD OF RECORD: 5111-8506
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
						57	53	57*
[illegible]	[illegible]	[illegible]	75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	76	[illegible]	74	67	[illegible]	[illegible]	[illegible]
[illegible]	73	74	77	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]*	[illegible]*	[illegible]*	[illegible]*	[illegible]*	[illegible]*	[illegible]*	[illegible]*
[illegible]*	[illegible]*	[illegible]*	[illegible]*	[illegible]*	[illegible]	57	[illegible]	[illegible]*
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]*	[illegible]	[illegible]*	[illegible]*	[illegible]*	71*	[illegible]*	[illegible]*	[illegible]*
[illegible]*	[illegible]*	[illegible]*	[illegible]	[illegible]*	[illegible]	[illegible]	[illegible]	[illegible]*
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			[illegible]*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]*
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] LOCATION MAP MONTHLY MAXIMUM TEMPERATURE IN [illegible]
[illegible], ARKANSAS FROM JANUARY [illegible]

STATION NO. : [illegible] STATION NAME: [illegible]
LST IS UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
[illegible]	[illegible]	87	92	97	99	1	1	[illegible]
87	[illegible]	93	92	99	78	93	94	1
[illegible]	[illegible]	94	94	93	92	93		

HIGHEST	[illegible]	81	93	94	95	97	99	1
TOTAL NO.	1131	1081	1130	1099	1093	1094	1093	1095

THE HIGHEST VALUE OF 99 OCCURRED ON 23/12/83

NOTE: *DOC VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE [illegible]

THLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

[illegible] PERIOD OF RECORD: 5111-5306
MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	55	71	1	75	70	5[illegible]	59	55	81
	70	79	7[illegible]	81	72	6[illegible]	55	57	81
	70	73							73*

	85	87	90	90	32	79	63	59	90
	1043	1054	1053	1075	1038	1100	1092	1128	13014

[illegible] RECORDED ON 08/12/53

* MONTH WITH LESS THAN 80% OF THE DATA AVAILABLE FOR THE MONTH

OPERATIONAL LOCATION MAP
USAFTAC, ASHEVILLE, NC

MONTHLY MINIMUM TEMPERATURES (DEGREES F)
PERIOD OF RECORD: 1973-1982

STATION NUMBER: 72206
STATION NAME: SPRINGFIELD-BEAVER CO AIRPORT
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	13	25	29	30	41	41	49	48
53	28	22	23	32	35	41	45	45
54	19	12	23	33	35	44	49	47
55	17	13	21	31	32	37	47	45
56	22	15	28	29	32	41	47	48
57	24	24	31	29	36	40*	44*	47*
58	26*	26*	22*	32*	43*	43*	43*	41*
59	27	27	32	35	36	43	49	47
60	28	25	33	31	43	44	47	46
61	28	30	31	37	33	41	44	47
62	19	32	32	40	36	45	48	48
63	27	14	24	32	37	47	47	46
64	14	23	30	34	42	43	47	44
65	28	22	19	28*	34*	41	41*	44*
66	24*	33*	20*	30*	34*	41*	41*	41
67	31	27	30	27	37	45	48	45
68	33	31	28	32	38	44	44	44
69	27	19	25	25	37	37	47	44
70	19	17	21	28	42	45	44	47
71	31	25	21	39	43	47	44	47
72	17	33	33	38	35	41	44	44
73	29	26	32	30	37	39	46	44
74	24	30	30	33	35	41	45	44
75	30	24	24	28	38	38	48	46
76	28	30	29	33				41*
77	33	26	30	35	38	39	44	44
78	31	31	38	34	41	42	44	44
79	32	31	27	34	38	44	46	45
80	29	28	27	34	36	45	48	46
81	27	25	32	36	34	41	45	43
82	28	27	30	34	36	42	45	45
83	24	25	30	30	39	43	42	43
84	27	23	32	30	34	43	46	43
85	18	16	28	30	38	39	43	42

MINIMUM TEMPERATURES IN FAHRENHEIT
[illegible] SUMMARY OF DAY DATA

[illegible]

PERIOD OF RECORD: 5111-8806
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
						31	22	22*
41	41	45	43	35	31	22	15	15
35	41	43	45	42	34	32	31	22
35	44	42	45	37	30	25	25	12
32	36	47	45	41	27	25	22	12
32	42	47	42	44	32	23	27	15
35*	45*	54*	47*	37*	40*	22*	22*	22*
43*	43*	43*	51*	43*	37	33	29	20*
35	43	49	45	41	34	27	26	22
43	45	47	45	43	34	30	26	20
33	41	44	47	43	32	28	15	15
36	35	45	42	43	33	27	17	15
37	47	47	45	42	36	24	17	7
42	42	47	44	41	33	25	19	19
34*	41	45*	44*	41*	36*	24*	20*	16*
34*	41*	41*	41	40*	34	27	25	14*
36	42	45	45	41	34	25	17	17
36	44	44	44	40	42	25	24	15
37	37	46	44	35	37	24	25	19
42	45	44	39	43	34	31	24	17
33	39	44	46	42	35	26	25	21
35	42	44	44	38	33	24	28	17
37	39	46	46	42	30	25	24	24
35	41	45	44	37	32	32	30	24
33	39	50	47	39	35	25	25	24
			41*	42	35	25	17	17*
33	39	44	44	44	39	23	30	23
41	42	44	44	44	37	23	23	21
33	46	48	46	37	37	28	27	12
34	45	46	47	48	37	32	25	25
34	41	45	46	46	34	30	3	3
36	46	48	46	45	36	27	28	9
33	43	52	43	37	32	23	23	23
34	43	46	46	46	36	34	23	23
33	39	48	48	43	41	27	23	10

OPERATING LOCATION XXX
JOHN C. STENNIS, BOONEVILLE MS

MONTHLY MINIMUM TEMPERATURE IN DEGREES F
FROM SUMMARY OF DAY XX.

STATION NUMBER: 723347 STATION NAME: JOHN C STENNIS AIRPORT
LST TO UTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
90	28	10	21	30	37	41	45	50
91	19	23	27	36	34	41	49	47
92	30	27	27	32	41	45		

LEAST	7	10	15	24	32	34	41	47
TOTAL YRS	1121	1251	1130	1019	1033	1014	1019	1024

THE LEAST VALUE OF 3 OCCURRED ON 12/13/83

NOTE: *THIS VALUE IS BASED ON A MONTH WITH LESS THAN XXX OF THE

Y MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

[illegible] AFB OK PERIOD OF RECORD: 5111-8806
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37	41	45	45	37	37	37	32	10
39	41	45	45	41	30	27	26	15
41	45							27*
39	39	41	39	39	27	22	3	3
1093	1054	1093	1085	1038	1100	1092	1128	13014

[illegible] 12/13/41

* ITEM WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

MONTHLY MEAN TEMPERATURES (DEGREES F)
AREA SUMMARY OF DAILY DATA

							47	42	44*
	7			1	52		39	35	43
			1		57	49	45	44	50
						54	44	44	49
		7			57	49	44	42	49
			1	7		4	42	41	49
		3*	2*	1*	4**	3**	44*	42*	51*
4**	5**	2*	2**	2**	5**	51	44	42	49*
						3	44	42	51
		1					45	39	50
		57				1	42	37	53
		7				1	42	37	49
	51		1			1	45	39	47
	47					1	47	41	50
	1*				5**	3**	43*	41*	47**
	1*						47	41	49*
	1	57				1	41	38	49
							47	37	49
		7		1	57	3	42	38	49
	5	1		1		2	47	39	49
	3			1		2	42	43	49
	1		1		4		43	42	48
	51	7	3	1		1	43	41	49
	5					1	45	45	49
	4		4	5	7	1	41	40	50
				4*	5	1	43	42	49**
	1	7			7	2	44	44	49
	53	4	3	3	57	3	45	39	49
	51	5	3	3	5	2	45	44	49
	53	5	3	2	5	50	45	41	49
	1	53	1	3	5	47	45	38	48
	54	51	2	1	59	51	47	40	50
	5	5	3	3	57	51	46	43	50
47	5	5	3	4	5	5	47	41	50
46	51	54	2	5	59	53	40	44	49

DAILY MEAN TEMPERATURES IN FAHRENHEIT
[illegible] SUMMARY OF DAY DATA

[illegible] AS OF [illegible] PERIOD OF RECORD: 5111-8606
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]	57	61	[illegible]	54	53	47	44	48
53	58	[illegible]	60	[illegible]	50	45	44	49
53	57							48*

[illegible].1	57.5	61.2	60.7	56.9	51.1	43.9	43.4	48.9
1043	1054	1083	1075	1038	1100	1092	1128	13014

[illegible] WITH LESS THAN [illegible] OF THE DATA AVAILABLE FOR THE MONTH

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 75 - JUN 88
MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
0	265	0	0	0	929
0	291	0	0	0	930
0	275	0	0	0	930
0	244	0	0	0	930
0	157	0	0	0	930
0	151	0	0	0	930
0	209	0	0	0	930
0	239	0	0	0	930
0	1842	0	0	0	7439

MONTH: FEB

0	302	0	0	0	849
0	320	0	0	0	849
0	313	0	0	0	849
0	223	0	0	0	849
0	120	0	0	0	849
0	122	0	0	0	849
0	195	0	0	0	849
0	265	0	0	0	849
0	1860	0	0	0	6791

OPERATING LOCATION WAW
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER MCKENZIE RAP JK [illegible]
LST TO UTC: - 5 MONTH: [illegible]

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS AT [illegible]	[illegible]
00-02	37.9	6.233	930	0	117
03-05	34.3	6.434	930	0	151
06-08	31.7	6.535	930	0	134
09-11	42.2	6.572	930	0	47
12-14	47.1	6.133	930	0	6
15-17	45.1	6.032	930	0	4
18-20	41.3	6.203	930	0	21
21-23	40.2	6.275	930	0	73
ALL HOURS	41.3	6.339	7440	0	553

MONTH: [illegible]

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS AT [illegible]	[illegible]
00-02	42.0	6.324	930	0	27
03-05	41.0	6.260	930	0	7
06-08	42.4	6.439	930	0	27
09-11	47.3	6.291	930	0	1
12-14	51.2	6.739	930	0	0
15-17	51.7	6.476	930	0	3
18-20	49.2	6.377	930	0	1
21-23	44.6	6.629	930	0	5
ALL HOURS	46.2	7.160	7200	0	123

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

: UPPER MEMPHIS AFB TN
- 0

PERIOD OF RECORD: JUL 73 - JUN 85
MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
0	117	0	0	0	930
0	133	0	0	0	930
0	138	0	0	0	930
0	42	0	0	0	930
0	1	0	0	0	930
0	4	0	0	0	930
0	21	0	0	0	930
0	72	0	0	0	930
0	644	1	0	0	7440

MONTH: APR

0	25	0	0	0	900
0	17	0	0	0	900
0	27	0	0	0	900
0	1	4	0	0	900
0	0	30	0	0	900
0	0	35	0	0	900
0	1	2	0	0	900
0	5	0	0	0	900
0	123	71	0	0	7200

OPERATING LOCATION "A"
USAF-TAC, ASHEVILLE, NC

DRY BULB TEMPERATURE SUMMARY
FOR HOURLY OBSERVATIONS

STATION NUMBER: 4[illegible]3 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 6

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF OBSERVATIONS LESS THAN	
00-02	45.0	4.[illegible]	930		
03-05	45.3	4.571	930		
06-08	47.3	4.[illegible]	930		
09-11	54.2	5.[illegible]	930		
12-14	61.4	5.337	930		
15-17	56.7	5.[illegible]	930		
18-20	53.7	5.[illegible]	930		
21-23	49.4	[illegible]	930		
ALL HOURS	51.1	5.[illegible]	7440		

MONTH:

00-02	59.[illegible]	4.992	930		
03-05	57.2	4.711	930		
06-08	54.1	4.530	930		
09-11	59.[illegible]	5.474	930		
12-14	63.2	5.245	930		
15-17	62.7	5.332	930	0	0
18-20	59.[illegible]	5.333	930		
21-23	55.3	5.224	930		
ALL HOURS	57.1	4.916	7200	0	0

...RY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

...YFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 86
MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 0	LE 32	GE 65	GE 90	GE 93	HOURS
0	0	0	0	0	930
0	0	0	0	0	930
0	0	0	0	0	930
0	0	25	0	0	930
0	0	33	0	0	930
0	0	45	0	0	930
0	0	54	0	0	930
0	0	4	0	0	930
0	0	231	0	0	7440

MONTH: JUN

0	0	5	0	0	900
0	0	0	0	0	900
0	0	20	0	0	900
0	0	109	0	0	900
0	0	234	5	0	900
0	0	279	10	0	900
0	0	157	0	0	900
0	0	43	0	0	900
0	0	846	15	0	7200

OPERATING LOCATION: MAW
USATRTAC, ACHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 93453 STATION NAME: UPPER HEYFORD RAF UK PERIOD:
LST TO UTC: - 0 MONTH:

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS LE 32	LE 32
00-02	56.7	4.396	930	0	0
03-05	55.2	4.174	930	0	0
06-08	54.9	4.172	930	0	0
09-11	55.2	5.254	930	0	0
12-14	57.2	5.171	930	0	0
15-17	58.1	5.573	930	0	0
18-20	56.7	5.031	930	0	0
21-23	56.7	4.715	930	0	0
ALL HOURS	56.1	5.241	7440	0	0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS LE 32	LE 32
00-02	55.1	4.244	930	0	0
03-05	55.1	4.256	930	0	0
06-08	54.7	4.154	930	0	0
09-11	55.2	4.444	930	0	0
12-14	56.1	5.254	930	0	0
15-17	56.7	5.700	930	0	0
18-20	56.2	5.310	930	0	0
21-23	55.9	4.445	930	0	0
ALL HOURS	55.7	5.415	7440	0	0

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
0	0	31	0	0	930
0	0	4	0	0	930
0	0	39	0	0	930
0	0	241	7	0	930
0	0	535	34	0	930
0	0	577	61	0	930
0	0	394	12	0	930
0	0	114	0	0	930
0	0	1379	104	0	7440

MONTH: AUG

0	0	21	0	0	930
0	0	2	0	0	930
0	0	15	0	0	930
0	0	204	0	0	930
0	0	465	13	0	930
0	0	485	23	0	930
0	0	313	1	0	930
0	0	92	0	0	930
0	0	1597	37	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER MAYFIELD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF DAYS LE 32	PCT
00-02	54.1	4.974	930	2	
03-05	53.9	5.090	930	2	
06-08	53.7	4.956	930	2	
09-11	53.4	4.701	930	1	
12-14	53.7	5.117	930	2	
15-17	53.1	5.134	930	2	
18-20	53.4	4.933	930	2	
21-23	53.4	4.833	930	1	
ALL HOURS	53.7	5.000	7440	2	

					PCT
00-02	49.3	5.936	930	3	
03-05	49.6	5.970	930	3	
06-08	49.5	5.949	930	3	
09-11	52.5	5.564	930	1	
12-14	54.9	5.351	930	1	
15-17	55.4	5.434	930	0	
18-20	52.2	5.583	930	2	
21-23	51.2	5.679	930	3	
ALL HOURS	51.5	5.450	7440	2	

HOURLY TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] AAF JK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
0	0	2	0	0	900
0	0	0	0	0	900
0	0	2	0	0	900
0	0	77	0	0	900
0	0	273	2	0	900
0	0	276	1	0	900
0	0	92	0	0	930
0	0	10	0	0	900
0	0	742	3	0	7200

MONTH: OCT

0	3	0	0	0	930
0	3	0	0	0	930
0	1	0	0	0	930
0	0	5	0	0	930
0	0	36	0	0	930
0	0	32	0	0	930
0	0	4	0	0	930
0	0	0	0	0	930
0	7	82	0	0	7440

OPERATING LOCATION MAP
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM JULY 1950 TO DATE

STATION NUMBER: 13-53 STATION NAME: UPPER KEYSTONE DAM PA
LST TO UTC: - 5

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF DAYS	
00-02	44.3	7.217	930		
03-05	43.9	7.24	930		
06-08	43.7	7.433	930		
09-11	44.3	7.543	930		
12-14	47.4	6.488	930		
15-17	47.5	6.[illegible]	930		
18-20	46.3	6.[illegible]	930		
21-23	44.4	6.[illegible]	930		
ALL HOURS	44.7	7.[illegible]	7440		

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF DAYS	
00-02	41.7	7.433	930		
03-05	41.9	7.[illegible]	930		
06-08	41.7	7.451	930		
09-11	41.[illegible]	7.421	930		
12-14	42.7	6.[illegible]	930		
15-17	42.6	6.997	930		
18-20	41.7	7.125	930		
21-23	41.5	7.216	930		
ALL HOURS	41.8	7.334	7440		

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] AFB NM PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: NOV

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
L[illegible]	L 32	32-55	56-80	81-93	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MONTH: DEC

[illegible]	142	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	147	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	153	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	155	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	75	[illegible]	[illegible]	[illegible]	[illegible]
0	79	0	0	0	930
0	103	0	0	0	930
0	125	0	0	0	930
0	947	0	0	0	7440

DAY HOUR TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] AFFILIATION [illegible] PERIOD OF RECORD: JUL 73 - JUN 84
MONTH: ALL

[illegible] LST	LT 32	32-55	GT 90	GT 93	TOTAL HOURS
1	1[illegible]3	8[illegible]	0	0	10958
2	1[illegible]3	8[illegible]	0	0	10958
3	1[illegible]3	8[illegible]	0	0	10958
4	1[illegible]3	8[illegible]	0	0	10958
5	1[illegible]4	8[illegible]	0	0	10958
6	1[illegible]4	8[illegible]	0	0	10958
7	1[illegible]2	8[illegible]	0	0	10958
8	1[illegible]2	8[illegible]	0	0	10958
9	1[illegible]2	8[illegible]	0	0	10958
10	1[illegible]2	8[illegible]	0	0	10958
11	1[illegible]2	8[illegible]	0	0	10958
12	1[illegible]2	8[illegible]	0	0	10958
13	1[illegible]2	8[illegible]	0	0	10958
14	1[illegible]2	8[illegible]	0	0	10958
15	1[illegible]2	8[illegible]	0	0	10958
16	1[illegible]2	8[illegible]	0	0	10958
17	1[illegible]2	8[illegible]	0	0	10958
18	1[illegible]2	8[illegible]	0	0	10958
19	1[illegible]2	8[illegible]	0	0	10958
20	1[illegible]2	8[illegible]	0	0	10958
21	1[illegible]2	8[illegible]	0	0	10958
22	1[illegible]2	8[illegible]	0	0	10958
23	1[illegible]2	8[illegible]	0	0	10958
24	1[illegible]2	8[illegible]	0	0	10958
ALL	2[illegible]9	19[illegible]	0	0	263[illegible]

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE, NC

NET HOLD TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION TYPE #: 35[illegible] STATION NAME: [illegible]
LST TO UTC: - 0

HOURS LST	[illegible]	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS [illegible]	[illegible]
00-03	34.1	7.15[illegible]	927	304	15
03-06	34.2	7.32[illegible]	930	279	14
06-09	34.3	7.2[illegible]	930	337	17
09-11	34.[illegible]	7.[illegible]	930	[illegible]	12
12-14	35.7	6.[illegible]	930	239	14
15-17	32.[illegible]	6.[illegible]	930	[illegible]	11
18-20	34.4	6.[illegible]	930	339	17
21-23	34.[illegible]	6.[illegible]	930	304	14
ALL HOURS	34.1	7.[illegible]	7439	[illegible]	114

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
00-03	33.[illegible]	6.991	349	411	[illegible]
03-06	33.3	7.015	349	429	[illegible]
06-09	33.4	7.072	349	447	[illegible]
09-11	34.4	6.951	349	354	[illegible]
12-14	35.[illegible]	6.454	949	237	17
15-17	35.[illegible]	6.334	349	355	[illegible]
18-20	34.7	6.513	349	350	[illegible]
21-23	33.[illegible]	6.735	349	339	[illegible]
ALL HOURS	34.3	6.[illegible]	4791	[illegible]	35

NET PUBLIC TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 88
MONTH: JAN

MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
364	15	0	0	0	929
379	14	0	0	0	930
337	16	0	0	0	930
343	12	0	0	0	930
332	14	0	0	0	930
334	14	0	0	0	930
339	17	0	0	0	930
364	14	0	0	0	930
[illegible]	114	0	0	0	7439

MONTH: FEB

411	0	0	0	0	849
429	0	0	0	0	849
437	0	0	0	0	849
354	2	0	0	0	849
237	17	0	0	0	848
255	6	0	0	0	849
350	0	0	0	0	849
389	0	0	0	0	849
2652	25	0	0	0	6791

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 30553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS	
00-02	42.4	5.512	900	246	[illegible]
03-05	41.7	5.490	900	237	[illegible]
06-08	41.3	5.5[illegible]	900	[illegible]	[illegible]
09-11	43.1	4.154	900	[illegible]	[illegible]
12-14	45.7	4.[illegible]	900	[illegible]	[illegible]
15-17	43.6	4.773	900	[illegible]	[illegible]
18-20	[illegible]	4.[illegible]	900	[illegible]	[illegible]
21-23	[illegible]	4.[illegible]	900	[illegible]	[illegible]
ALL HOURS	[illegible]	5.027	7440	1141	[illegible]

[illegible]

00-02	39.4	5.154	900	84	[illegible]
03-05	[illegible]	5.[illegible]	900	[illegible]	[illegible]
06-08	39.7	5.11[illegible]	900	[illegible]	[illegible]
09-11	43.3	4.954	900	7	[illegible]
12-14	45.0	4.[illegible]	900	[illegible]	[illegible]
15-17	44.1	5.354	900	[illegible]	[illegible]
18-20	43.3	5.358	900	[illegible]	[illegible]
21-23	41.0	5.173	900	[illegible]	[illegible]
ALL HOURS	41.9	5.696	7200	[illegible]	[illegible]

JET FUEL TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

YEOVILTON RAF UK PERIOD OF RECORD: JUL 78 - JUN 85
MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
235	6	0	0	0	930
237	4	0	0	0	930
232	5	0	0	0	930
87	23	0	0	0	930
82	34	0	0	0	930
53	45	0	0	0	930
133	22	0	0	0	930
127	3	0	0	0	930
1151	144	0	0	0	7440

MONTH: APR

84	33	0	0	0	900
104	21	0	0	0	900
50	28	0	0	0	900
7	110	0	0	0	900
2	190	0	0	0	900
1	200	0	0	0	900
10	123	0	0	0	900
40	54	0	0	0	900
328	759	0	0	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

WET BULB TEMPERATURE SUMMARY
FREQUENCY OBSERVATION

STATION NUMBER: 46683 STATION NAME: UPPER MCKENZIE RAP JP
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS LT 32	GT 80
00-02	43.9	4.505	630	3	11
03-05	43.9	4.772	930	16	9
06-08	46.2	4.674	930	4	14
09-11	49.2	4.543	930	1	31
12-14	49.7	4.503	930	0	47
15-17	49.7	4.714	930	0	49
18-20	47.3	4.372	930	1	27
21-23	46.7	4.356	930	0	21
ALL HOURS	47.1	4.633	7440	25	259

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS LT 32	GT 80
00-02	47.9	4.913	930	2	47
03-05	48.1	4.778	930	1	41
06-08	51.2	4.482	930	0	77
09-11	53.9	4.682	930	0	158
12-14	55.5	4.933	930	0	227
15-17	55.7	5.010	930	0	315
18-20	54.3	4.936	900	0	253
21-23	51.3	4.824	900	0	152
ALL HOURS	52.7	5.352	7200	0	1219

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 88
MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
3	116	0	0	0	930
15	[illegible]	0	0	0	930
4	155	0	0	0	930
1	351	0	0	0	930
0	499	0	0	0	930
0	492	2	0	0	930
1	377	2	0	0	930
0	218	0	0	0	930
23	2276	2	0	0	7440

MONTH: JUN

0	475	0	0	0	900
0	415	0	0	0	900
0	559	0	0	0	900
0	755	10	0	0	900
0	699	21	0	0	900
0	815	26	0	0	900
0	759	9	0	0	900
0	597	0	0	0	900
0	5219	66	0	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

NET GULF TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72503 STATION NAME: JOPER HEX-ORD AFB OK
LST TO UTC: - 6

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS AT [illegible]
00-02	53.5	4.213	930	[illegible]
03-05	52.7	4.365	930	[illegible]
06-08	54.7	3.775	930	[illegible]
09-11	57.4	4.153	930	[illegible]
12-14	59.3	4.279	930	[illegible]
15-17	59.1	4.274	930	[illegible]
18-20	57.1	4.234	930	[illegible]
21-23	56.4	4.134	930	[illegible]
ALL HOURS	56.3	4.733	7440	[illegible]

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS AT [illegible]
00-02	53.1	4.452	930	[illegible]
03-05	52.4	4.536	930	[illegible]
06-08	53.	4.31[illegible]	930	[illegible]
09-11	55.	4.000	930	[illegible]
12-14	57.1	4.134	930	[illegible]
15-17	58.4	4.217	930	[illegible]
18-20	56.7	4.253	930	[illegible]
21-23	54.7	4.443	930	[illegible]
ALL HOURS	55.4	4.421	7440	0 55.1

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] AFB OK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 32	GE 60	GE 67	GE 73	GE 80	HOURS
0	726	0	0	0	930
0	720	0	0	0	930
0	648	2	0	0	930
0	715	26	0	0	930
0	919	61	0	0	930
0	920	54	0	0	930
0	915	29	0	0	930
0	659	4	0	0	930
0	5772	156	0	0	7440

MONTH: AUG

0	737	0	0	0	930
0	679	0	0	0	930
0	783	0	0	0	930
0	706	1	0	0	930
0	926	25	0	0	930
0	925	34	0	0	930
0	909	12	0	0	930
0	818	3	0	0	930
0	6691	82	0	0	7440

OPERATING LOCATION NAM
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FOR HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER [illegible] AFB NM
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS PER MONTH	[illegible]
00-02	51.1	5.158	993	3	[illegible]
03-05	51.4	5.204	992	3	[illegible]
06-08	51.1	5.043	930	3	771
09-11	54.4	4.345	992	3	7[illegible]
12-14	55.2	4.471	992	3	[illegible]7
15-17	[illegible].7	[illegible].4[illegible]	992	[illegible]	[illegible]
18-20	54.2	[illegible].[illegible]	992	3	722
21-23	52.7	[illegible].[illegible]	992	[illegible]	[illegible]
ALL HOURS	53.1	5.2[illegible]	7193	[illegible]	[illegible]

[illegible]

00-02	45.5	5.977	992	4	521
03-05	46.1	6.259	992	12	5[illegible]
06-08	44.3	6.337	930	12	2[illegible]
09-11	43.3	5.485	992	1	4[illegible]
12-14	50.[illegible]	4.951	992	2	5[illegible]
15-17	[illegible].2	5.110	992	[illegible]	[illegible]3
18-20	47.4	5.895	992	3	3[illegible]
21-23	47.2	5.663	992	3	344
ALL HOURS	46.0	5.936	7441	3[illegible]	31[illegible]

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 32	OF 50	OF 67	OF 73	GE 20	HOURS
0	558	0	0	0	900
0	623	0	0	0	900
0	671	0	0	0	900
0	732	0	0	0	900
0	627	0	0	0	900
0	[illegible]	0	0	0	900
0	722	0	0	0	900
0	[illegible]	0	0	0	900
0	5434	0	0	0	7199

MONTH: OCT

4	321	0	0	0	930
12	300	0	0	0	930
12	237	0	0	0	930
1	444	0	0	0	930
0	543	0	0	0	930
0	493	0	0	0	930
0	399	0	0	0	930
3	344	0	0	0	930
32	3145	0	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

JET FUEL TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NBR : 3[illegible] STATION NAME: [illegible]
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN [illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] REYNOLDS RAF UK PERIOD OF RECORD: JUL 73 - JUL 83
MONTH: NOV

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LT 32	32-46	47-67	68-73	GT 73	HOURS
31	142	0	0	0	720
24	133	0	0	0	720
128	141	0	0	0	720
87	132	0	0	0	720
94	224	0	0	0	720
95	207	0	0	0	720
69	133	0	0	0	720
74	134	0	0	0	720
647	1346	0	0	0	7254

MONTH: DEC

204	57	0	0	0	930
233	54	0	0	0	930
244	53	0	0	0	930
141	76	0	0	0	930
120	171	0	0	0	930
136	38	0	0	0	930
155	74	0	0	0	930
128	67	0	0	0	930
1429	560	0	0	0	7440

OPERATIONS LOCATION, MAP
USAATTAC, ARCHVILLE, PA

WET BULB TEMPERATURE SUMMARY
MONTHLY DISTRIBUTION

STATION NUMBER: 3[illegible]-3 STATION NAME: UPPER [illegible] AAF, PA
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF OBS	[illegible]
00-02	43.5	9.125	13967	1397	13967
03-05	43.3	9.342	13954	1395	13954
06-08	44.2	9.09	13971	1397	13971
09-11	45.1	8.757	13954	1395	13954
12-14	47.	8.541	13972	1397	13972
15-17	47.7	8.477	13959	1396	13959
18-20	46.3	8.734	13969	1397	13969
21-23	44.	9.2[illegible]	13963	1396	13963
ALL HOURS	[illegible]	[illegible]	139[illegible]	1[illegible]	[illegible]

WET BULB TEMPERATURE SUMMARY
AIRWAY OBSERVATIONS

[illegible]: UPPER MAYFIELD KAP UR PERIOD OF RECORD: JUL 7[illegible] - JUL 3[illegible]
TO: - 0 MONTH: ALL

FSL	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
	5[illegible] 32	6[illegible] 50	6[illegible] 67	3[illegible] 73	6[illegible] 80	HOURS
7	137[illegible]	3[illegible]57	0	0	0	10957
[illegible]	15[illegible]4	[illegible]952	0	0	0	10952
	1[illegible]14	[illegible]4[illegible]7	7	1	0	10[illegible]9
[illegible]	1[illegible]5[illegible]	[illegible]4[illegible]2	44		0	10959
[illegible]	47[illegible]	5[illegible]3[illegible]	[illegible]7	0	0	10959
[illegible]	7[illegible]3	[illegible]5[illegible]	121	0	[illegible]	10959
[illegible]	1[illegible]31	44[illegible]4	[illegible]0	[illegible]	[illegible]	10959
[illegible]	12[illegible]0	[illegible]74[illegible]	7	[illegible]	[illegible]	10959
[illegible]	[illegible]11[illegible]	[illegible]3[illegible]53	[illegible]15	[illegible]	[illegible]	[illegible]7[illegible]9

OPERATING LOCATION: [illegible]
USAFETAC, ASHEVILLE, NC

DEW POINT TEMPERATURE SUMMARY
FOR MONTHLY DISTRIBUTIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK [illegible]
LST TO UTC: - 0 [illegible]

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS [illegible]
00-02	31.2	[illegible].173	923	338 [illegible]
03-05	30.9	[illegible].344	930	330 [illegible]
06-08	31.7	[illegible].341	930	334 [illegible]
09-11	31.6	[illegible].758	930	[illegible]
12-14	32.1	7.553	930	316 317
15-17	32.0	7.745	930	247 [illegible]
18-20	31.[illegible]	7.[illegible]	930	[illegible]
21-23	31.6	.915	930	335 [illegible]
ALL HOURS	31.[illegible]	[illegible].524	7434	[illegible]

[illegible]

HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS [illegible]
00-02	29.5	[illegible].152	949	37[illegible] 174
03-05	29.2	[illegible].344	947	3[illegible] 1[illegible]7
06-08	29.3	[illegible].612	947	345 17[illegible]
09-11	30.4	7.[illegible]0	949	342 19[illegible]
12-14	31.[illegible]	7.[illegible]91	[illegible]43	[illegible] [illegible]
15-17	31.2	[illegible].059	[illegible]69	2[illegible] 243
18-20	30.3	[illegible].103	949	34[illegible] 233
21-23	29.[illegible]	[illegible].351	949	373 21[illegible]
ALL HOURS	30.1	[illegible].201	6791	2[illegible] 1[illegible]4

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LE 27	GE 37	LE 55	GE 65	HOURS
333	245	929	0	929
300	232	930	0	930
314	227	930	0	930
293	247	930	0	930
215	317	930	0	930
247	303	930	0	930
2[illegible]5	251	930	0	930
235	252	930	0	930
2223	2034	7439	0	7439

MONTH: FEB

376	194	849	0	848
333	197	844	0	844
345	176	849	0	849
342	173	849	0	848
291	239	848	0	848
299	243	849	0	849
348	233	849	0	848
373	219	849	0	848
2326	1684	6791	0	6791

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS	
00-02	32.6	6.207	930	145	256
03-05	32.7	6.716	930	140	253
06-08	33.1	6.644	930	173	32
09-11	33.1	6.329	930	1	4
12-14	33.3	6.520	930	110	3
15-17	34.4	6.757	930	1	7
18-20	34.1	6.663	930	13	3
21-23	33.4	6.740	930	173	3
ALL HOURS	33.4	6.751	7440	1214	2

MONTH: 7

00-02	35.1	6.249	930	74	241
03-05	35.3	6.131	930	44	3
06-08	35.3	6.914	930	97	41
09-11	37.1	6.055	930	3	72
12-14	37.2	6.251	930	34	5
15-17	38.3	6.360	930	4	62
18-20	37.7	6.330	930	1	13
21-23	36.7	6.121	930	3	44
ALL HOURS	37.0	6.225	7200	472	3702

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LE 27	GE 37	LE 55	GE 65	HOURS
135	259	930	0	930
140	253	930	0	930
173	278	930	0	930
135	310	930	0	930
112	323	930	0	930
132	357	930	0	930
134	360	930	0	930
173	303	930	0	930
1213	3553	7440	0	7440

MONTH: APR

94	391	900	0	900
94	343	900	0	900
57	416	900	0	900
36	526	900	0	900
84	524	895	0	900
48	525	900	0	900
55	513	900	0	900
54	444	900	0	900
472	3702	7193	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 03543 STATION NAME: UPPER HEYFORD RAF UK PERIOD:
LST TO UTC: - 0 MONTH:

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS L- 27	G- 87	L
00-02	41.1	5.276	930	1	713	
03-05	40.5	5.043	930	13	693	
06-08	42.3	5.573	930	1	771	
09-11	43.3	5.[illegible]	930	1	[illegible]	
12-14	43.7	5.358	930	13	774	
15-17	44.2	5.537	930	2[illegible]	7[illegible]	
18-20	43.1	5.406	930	7	773	
21-23	42.3	5.272	930	1[illegible]	7[illegible]	
ALL HOURS	42.4	5.27[illegible]	7440	[illegible]	[illegible]1	

[illegible]:

00-02	47.7	5.498	901	3	[illegible]3	
03-05	47.2	5.414	900	1	[illegible]9	
06-08	48.[illegible]	5.112	900	1	[illegible]4	
09-11	49.[illegible]	5.425	900	0	[illegible]8	
12-14	[illegible].0	5.[illegible]25	900	0	[illegible]2	
15-17	50.1	5.379	900	0	[illegible]2	
18-20	49.[illegible]	5.537	900	0	[illegible]5	
21-23	48.[illegible]	5.423	900	1	[illegible]6	
ALL HOURS	49.0	5.697	7200	0	7123	

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LE 27	GE 47	LE 55	GE 65	HOURS
[illegible]	710	930	0	930
13	693	930	0	930
[illegible]	721	930	0	930
[illegible]	[illegible]	921	0	930
13	720	[illegible]	0	930
13	749	918	0	930
7	773	918	0	930
10	750	923	0	930
[illegible]	5041	7375	0	7440

MONTH: JUN

0	383	847	0	900
0	479	861	0	900
[illegible]	[illegible]	844	0	900
0	895	799	1	900
0	842	772	2	900
0	892	774	1	900
0	895	795	2	900
0	895	832	0	900
0	7129	6524	6	7200

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 93553 STATION NAME: UPPER HEYFORD RAF UK PERIOD:
LST TO UTC: - 0 MONTH: J

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS W LE 27	GE 37	L
00-02	31.3	5.035	930	1	225	
03-05	30.7	4.732	930	0	330	
06-08	32.3	4.620	930	1	429	
09-11	33.3	5.167	930	0	330	
12-14	32.4	5.415	930	0	330	
15-17	32.3	5.433	930	0	330	
18-20	32.5	.257	930	1	330	
21-23	32.1	5.334	930	1	329	
ALL HOURS	32.1	.224	7440	5	2437	

00-02	33.	5.247	930	0	334	
03-05	31.3	5.133	930	1	225	
06-08	31.4	4.910	930	1	330	
09-11	32.3	5.139	930	0	330	
12-14	32.0	5.402	930	0	330	
15-17	32.2	5.450	930	0	330	
18-20	31.3	5.304	930	0	330	
21-23	31.3	5.210	930	1	330	
ALL HOURS	31.5	5.339	7440	3	2437	

JFK POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

RECORD NAF UK PERIOD OF RECORD: JUL 75 - JUN 86
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 87	LE 55	GE 65	TOTAL HOURS
0	928	789	0	930
0	930	704	0	930
0	930	760	0	930
0	930	694	5	930
0	930	681	5	930
0	930	704	5	930
0	930	712	6	930
0	927	731	0	930
0	7435	5775	31	7440

MONTH: AUG

0	929	731	2	930
0	928	803	0	930
0	930	771	0	930
0	930	730	2	930
0	930	729	0	930
0	930	720	0	930
0	930	752	0	930
0	930	775	3	930
0	7437	6061	7	7440

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE, NC

DEW POINT TEMPERATURE SUMMARY
FIXED SUPPLY CONSERVATION

STATION NUMBER: 35953 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS	
00-02	45.5	6.102	933	3	1.2
03-05	44.2	6.046	906	2	.7
06-08	43.9	5.729	900	3	1.1
09-11	46.4	5.499	909	3	1.3
12-14	50.1	5.962	903	3	1.3
15-17	48.6	6.235	924	3	1.3
18-20	48.5	6.174	903	3	1.3
21-23	48.2	6.355	930	3	1.3
ALL HOURS	46.3	6.045	7110	25	10.5

HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS	
00-02	43.9	6.935	930	4	1.7
03-05	43.5	7.025	930	4	1.8
06-08	43.1	7.110	930	4	1.8
09-11	45.7	6.137	930	3	1.4
12-14	47.2	6.072	930	3	1.4
15-17	45.9	6.718	930	3	1.3
18-20	44.3	6.360	930	2	.9
21-23	44.2	6.503	930	3	1.4
ALL HOURS	44.7	6.669	7440	25	10.7

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
- 5 — MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LE 27	GE 37	LE 55	GE 55	HOURS
1	[illegible]50	811	0	899
2	875	23	1	900
3	[illegible]86	812	0	900
4	[illegible]3	762	0	900
5	892	764	0	900
6	[illegible]93	766	0	900
7	[illegible]96	761	1	901
8	[illegible]95	774	1	900
1	7115	9277	1	7199

MONTH: OCT

4	792	[illegible]34	0	930
4	799	[illegible]53	0	930
5	769	[illegible]92	0	930
7	[illegible]63	[illegible]-2	0	930
9	[illegible]76	[illegible]91	0	931
0	862	[illegible]93	0	930
2	832	900	0	930
3	[illegible]09	903	0	930
25	5587	7143	0	7440

OPERATING LOCATION "A"
MCAFEE, ASHEVILLE, NC

DEW POINT TEMPERATURE SUMMARY
FROM MULTIPLY OBSERVATIONS

STATION WBAN #: 03812 STATION NAME: UPPER MCAFEE RAP #1 [illegible]
LST TO UTC: - 5

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN [illegible] OF [illegible]	[illegible] OF [illegible]
00-02	36.6	7.734	903	[illegible]	[illegible]
03-05	36.5	7.810	903	[illegible]	[illegible]
06-08	36.1	7.191	930	[illegible]	[illegible]
09-11	40.1	7.553	930	[illegible]	[illegible]
12-14	40.2	7.342	930	[illegible]	[illegible]
15-17	40.1	7.423	930	[illegible]	[illegible]
18-20	39.5	7.454	930	[illegible]	[illegible]
21-23	39.2	7.616	930	[illegible]	[illegible]
ALL HOURS	38.3	7.757	7440	[illegible]	[illegible]

[illegible]

00-02	35.7	8.353	930	[illegible]	[illegible]
03-05	34.3	8.355	930	1[illegible]	3[illegible]
06-08	34.4	8.401	930	1[illegible]	3[illegible]
09-11	35.4	8.124	930	1[illegible]	41[illegible]
12-14	37.1	7.742	930	[illegible]	47[illegible]
15-17	36.7	7.527	930	117	44[illegible]
18-20	36.2	8.334	930	139	41[illegible]
21-23	35.9	8.073	930	1[illegible]	39[illegible]
ALL HOURS	35.9	8.182	7440	1143	3[illegible]

[illegible]

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] AIRPORT [illegible] PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: NOV

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
LT 27	LT 37	LT 55	GE 55	
73	515	900	0	900
76	515	900	0	900
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
92	562	900	0	900
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	522	900	0	900
[illegible]	[illegible]	7143	[illegible]	7200

MONTH: DEC

155	391	930	0	930
173	381	930	0	930
174	394	930	0	930
146	418	930	0	930
92	478	930	0	930
117	449	930	0	930
139	418	930	0	930
146	396	930	0	930
1143	3325	7440	0	7440

[illegible] LOCATION, NEW
[illegible], ASHEVILLE, NC

[illegible] POINT [illegible] STATION
[illegible] HOURLY PRECIPITATION

STATION NUMBER : 31[illegible]3 STATION NAME: UPPER MEYERSON BAY [illegible]
1ST ID WBC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL NOS	MEAN [illegible] IF [illegible]	[illegible] IF [illegible]
[illegible]	4[illegible].5	1[illegible].[illegible]	1[illegible]7	[illegible]	[illegible]
[illegible]	4[illegible].[illegible]	1[illegible].[illegible]	1[illegible]	[illegible]	[illegible]
[illegible]	4[illegible].[illegible]	1[illegible].[illegible]	1[illegible]	[illegible]	[illegible]
[illegible]	4[illegible].1	1[illegible].[illegible]	1[illegible]	[illegible]	[illegible]
[illegible]	4[illegible].[illegible]	[illegible].[illegible]	1[illegible]	[illegible]	[illegible]
[illegible]	4[illegible].[illegible]	[illegible].[illegible]	1[illegible]	[illegible]	[illegible]
[illegible]	[illegible]1.	1[illegible].[illegible]	1[illegible]	[illegible]	[illegible]
[illegible]	[illegible]1.[illegible]	1[illegible].[illegible]	1[illegible]	[illegible]	[illegible]
ALL HOURS	4[illegible].[illegible]	1[illegible].[illegible]	[illegible]	[illegible]	[illegible]

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF (UK)
- 2

PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: ALL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
LE 37	GE 37	LE 55	GE 55	
1231	7117	10480	2	10957
1250	7006	10553	0	10959
1256	7[illegible]	10446	[illegible]	10959
[illegible]	7[illegible]1	10233	[illegible]	10959
[illegible]34	7[illegible]3	10170	7	10953
[illegible]3[illegible]	7774	10256	[illegible]	10956
1044	7[illegible]4	10276	[illegible]	10959
113[illegible]	7342	10367	[illegible]	10959
8484	53531	82751	34	87659

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HEYFORD RAF UK PERIOD: J
LST TO UTC: - 0 YEARS: 8[illegible]

HOURS LST	1/8	2/8	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 30%	40%	50%	60%	70%	80%	90%
00-02	100.0	100.0	100.0	100.0	100.0	97.0	76.1	46.1	1.0
03-05	100.0	100.0	100.0	100.0	99.5	95.5	85.0	64.1	14.1
06-08	100.0	100.0	100.0	100.0	99.7	97.7	86.0	72.5	12.4
09-11	100.0	100.0	100.0	100.0	100.0	95.4	84.0	64.0	14.4
12-14	100.0	100.0	100.0	100.0	99.0	91.4	77.4	48.7	11.7
15-17	100.0	100.0	100.0	100.0	99.2	91.5	79.1	48.4	12.0
18-20	100.0	100.0	100.0	100.0	99.0	94.0	81.0	61.4	11.7
21-23	100.0	100.0	100.0	100.0	99.1	96.0	84.1	63.0	13.1
ALL HOURS	100.0	100.0	100.0	100.0	99.7	95.4	82.1	58.3	12.6

PERIOD: [illegible]

00-02	100.0	100.0	100.0	100.0	99.0	95.5	81.0	42.0	0.0
03-05	100.0	100.0	100.0	99.0	99.5	97.2	91.0	61.0	0.0
06-08	100.0	100.0	100.0	100.0	99.0	94.0	82.0	63.5	0.0
09-11	100.0	100.0	100.0	100.0	99.5	96.2	79.8	61.5	7.0
12-14	100.0	100.0	100.0	99.5	95.7	83.7	67.4	31.7	0.0
15-17	100.0	100.0	100.0	99.5	96.5	81.6	54.8	25.7	3.1
18-20	100.0	100.0	100.0	100.0	99.0	91.0	69.5	32.2	0.1
21-23	100.0	100.0	100.0	100.0	99.5	95.0	79.7	51.0	0.1
ALL HOURS	100.0	100.0	100.0	99.9	98.5	92.6	72.4	39.9	0.4

FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JAN

(THIS OR EQUAL TO)	03%	09%	09%	MEAN	TOTAL OBS
	55.1	84.1	15.5	77.7	929
	65.9	84.1	14.1	80.0	930
	65.2	87.5	12.9	80.3	930
	64.5	84.6	14.4	77.5	930
	72.9	85.7	11.7	77.1	930
	75.1	85.4	10.3	76.5	930
	81.0	81.4	11.7	77.2	930
	64.1	83.5	13.1	79.1	930
	72.9	77.5	13.0	77.1	7439

MONTH: FEB

	71.3	42.5	5.3	77.1	849
	71.9	43.5	5.3	77.3	849
	82.9	43.5	9.3	77.7	849
	76.3	40.6	7.5	76.3	849
	63.4	21.5	3.5	71.3	848
	54.3	25.7	3.1	70.1	849
	69.5	32.2	5.1	73.9	849
	76.7	36.3	6.1	76.9	849
	72.4	36.9	5.9	76.0	6791

OPERATING LOCATION: "AW"
USAFETAC, ASHEVILLE, NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER MEYERS AAF, IN [illegible]
LST TO UTC: - 0 [illegible]

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								
	10%	20%	30%	40%	50%	60%	70%	[illegible]	[illegible]
00-02	100.0	100.0	100.0	100.0	99.0	95.1	73.5	33.0	11.[illegible]
03-05	100.0	100.0	100.0	100.0	99.0	97.6	83.1	57.1	14.[illegible]
06-08	100.0	100.0	100.0	100.0	100.0	98.0	94.0	81.0	19.4
09-11	100.0	100.0	100.0	100.0	96.4	92.7	73.0	46.7	1[illegible].[illegible]
12-14	100.0	100.0	100.0	99.5	98.7	79.5	48.0	27.1	[illegible].[illegible]
15-17	100.0	100.0	100.0	97.7	87.4	71.1	43.5	25.[illegible]	[illegible].[illegible]
18-20	100.0	100.0	100.0	99.2	95.5	83.2	62.5	37.3	[illegible].[illegible]
21-23	100.0	100.0	100.0	99.5	99.0	92.5	72.0	44.4	[illegible].[illegible]
ALL HOURS	100.0	100.0	100.0	99.5	97.1	85.2	63.[illegible]	44.[illegible]	[illegible].[illegible]

[illegible]

00-02	100.0	100.0	100.0	100.0	100.0	96.8	77.3	43.[illegible]	13.[illegible]
03-05	100.0	100.0	100.0	100.0	100.0	98.0	84.2	58.7	1[illegible].[illegible]
06-08	100.0	100.0	100.0	100.0	100.0	97.6	92.8	83.2	14.[illegible]
09-11	100.0	100.0	100.0	99.4	95.0	77.1	52.7	35.[illegible]	[illegible].[illegible]
12-14	100.0	100.0	99.8	96.0	81.8	62.0	31.1	14.1	[illegible].[illegible]
15-17	100.0	100.0	99.8	95.1	75.8	46.9	30.0	12.[illegible]	[illegible].[illegible]
18-20	100.0	100.0	100.0	98.6	92.0	67.2	43.6	28.2	[illegible].[illegible]
21-23	100.0	100.0	100.0	100.0	98.9	87.3	56.4	35.0	[illegible].[illegible]
ALL HOURS	100.0	100.0	99.9	98.9	92.6	73.4	59.6	33.[illegible]	[illegible].[illegible]

LATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: MAR

HUMIDITY GREATER THAN OR EQUAL TO 50%	60%	70%	80%	90%	MEAN	TOTAL OBS
99.0	95.1	76.9	53.0	11.6	73.2	930
99.9	97.3	83.1	57.1	12.9	79.4	930
100.0	99.4	84.9	61.5	15.4	80.5	930
99.4	92.7	72.9	45.7	10.9	76.1	930
98.7	75.5	49.9	27.1	4.9	69.0	930
99.4	71.1	46.6	25.4	4.1	67.9	930
99.3	83.2	62.6	37.3	7.7	72.9	930
99.5	92.5	72.0	48.4	9.9	75.6	930
97.1	84.2	67.0	44.5	9.7	75.5	7440

MONTH: APR

100.0	96.3	77.3	44.6	13.0	77.9	900
100.0	96.6	84.2	55.7	16.6	79.9	900
100.0	97.6	82.3	53.2	14.9	77.0	900
95.6	77.1	52.7	25.6	5.3	69.8	900
91.3	92.6	31.1	14.1	2.8	62.2	900
75.3	46.9	30.0	12.0	2.0	60.7	900
90.0	62.2	49.6	23.2	5.0	67.7	900
98.9	87.3	69.4	35.9	9.0	74.1	900
92.5	78.4	59.5	33.8	8.6	74.1	7200

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 03953 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								
	10%	20%	30%	40%	50%	60%	70%	80%	90%
00-02	100.0	100.0	100.0	100.0	99.4	96.3	87.7	66.4	21.9
03-05	100.0	100.0	100.0	100.0	99.4	97.5	92.3	79.5	25.
06-08	100.0	100.0	100.0	100.0	99.7	98.5	97.3	84.5	1 .
09-11	1 . .	100.0	100.0	99.7	92.9	77.5	5 . 3	2 . 3	7.
12-14	100.0	100.0	99.4	94.8	81.5	59.1	34.7	13.7	4.
15-17	100.0	100.0	99.5	91.5	77.2	54.5	34.3	1 . .	4.
18-20	100.0	100.0	99.4	97.8	89.4	71.7	43.4	24.7	7.
21-23	100.0	100.0	100.0	99.7	94.5	81.3	77.0	49.1	1 .
ALL HOURS	1 . . 0	1 . 0 . 0	99.9	97.9	92.8	79.4	64.7	47.5	1 . .

MONTH:

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								
	10%	20%	30%	40%	50%	60%	70%	80%	90%
00-02	100.0	100.0	100.0	100.0	100.0	99.7	95.9	72.2	34.
03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.4	7 . 4	3 .
06-08	100.0	100.0	100.0	100.0	99.4	99.0	91.1	65.9	21.
09-11	100.0	100.0	100.0	99.6	97.0	9 . . 2	5 . .	2 . 0	1.
12-14	100.0	100.0	99.4	98.1	91.9	64.3	34.4	15.9	4.
15-17	100.0	100.0	100.0	99.4	97.6	8 . . 0	35.0	1 . . 1	2.
18-20	100.0	100.0	100.0	99.0	97.0	79.6	51.0	23.0	6.
21-23	100.0	100.0	100.0	100.0	100.0	96.4	74.7	54.0	17.
ALL HOURS	100.0	100.0	100.0	99.9	96.9	85.3	68.0	44.9	14.

TIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

YPE: HEYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: MAY

ITY GREATER THAN OR EQUAL TO						
50%	60%	70%	80%	90%	MEAN	TOTAL OBS
99.4	96.3	87.7	65.4	21.5	81.4	930
98.9	97.5	92.9	75.5	25.5	83.4	930
99.7	96.5	87.0	64.0	13.7	80.9	930
92.9	77.5	55.3	27.9	7.2	70.4	930
81.5	53.1	34.7	17.7	4.0	63.7	930
77.2	54.4	34.3	18.8	4.2	62.6	930
84.4	71.7	43.9	26.7	5.3	64.6	930
94.5	91.3	77.0	49.1	12.5	77.1	930
92.3	80.4	64.7	43.5	12.4	77.1	7440

MONTH: JUL

100.0	99.7	95.9	72.2	24.0	84.0	900
100.0	100.0	99.6	92.3	34.9	85.5	900
99.4	99.0	91.1	55.9	21.6	82.6	900
97.3	85.2	56.3	29.9	6.7	72.4	900
91.3	64.3	34.4	15.4	2.0	65.6	900
93.5	66.3	38.5	15.1	2.4	64.7	900
97.3	79.6	51.6	23.9	3.3	70.3	900
98.0	96.4	84.7	54.6	10.2	79.3	900
96.9	85.3	68.5	44.9	13.1	79.3	7200

OPERATING LOCATION "A"
USAREUR, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK [illegible]
LST TO UTC: - 0 MONTH: J

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO: 10%	20%	30%	40%	50%	60%	70%	80%	[illegible]
00-02	100.0	100.0	100.0	100.0	99.7	98.8	90.3	68.0	17.1
03-05	100.0	100.0	100.0	100.0	100.0	97.6	87.2	78.2	27.1
06-08	100.0	100.0	100.0	100.0	97.9	87.6	[illegible]	63.7	17.4
09-11	100.0	100.0	100.0	99.2	94.6	76.3	44.3	20.4	3.7
12-14	100.0	100.0	99.4	96.0	83.3	62.6	23.6	9.7	[illegible]
15-17	100.0	100.0	99.4	94.3	75.0	44.2	23.6	8.5	1.[illegible]
18-20	100.0	100.0	99.6	97.6	84.2	60.5	36.3	14.7	[illegible]
21-23	100.0	100.0	100.0	100.0	98.0	93.2	73.6	42.6	[illegible]
ALL HOURS	100.	100.0	99.7	98.4	92.6	77.0	57.3	37.[illegible]	[illegible]

[illegible]

00-02	100.0	100.0	100.0	100.0	100.0	94.4	78.2	41.2	12.[illegible]
03-05	100.0	100.0	100.0	100.0	100.0	99.6	86.[illegible]	75.3	1[illegible]
06-08	100.0	100.0	100.0	100.0	100.0	96.4	84.2	59.1	15.[illegible]
09-11	100.0	100.0	100.0	100.0	97.4	77.0	40.9	21.3	4.[illegible]
12-14	100.0	100.0	100.0	98.7	83.5	49.9	23.[illegible]	1[illegible]	1.[illegible]
15-17	100.0	100.0	100.0	97.8	80.5	47.5	23.6	10.[illegible]	1.[illegible]
18-20	100.0	100.0	100.0	99.8	91.9	64.0	39.6	15.[illegible]	[illegible]
21-23	100.0	100.0	100.0	100.0	99.7	93.7	73.7	37.[illegible]	[illegible]
ALL HOURS	100.0	100.0	100.0	99.5	94.1	79.3	61.3	37.[illegible]	7.[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JUL

LESS THAN OR EQUAL TO 50%	70%	80%	90%	MEAN	TOTAL OBS
[illegible]	20.3	63.0	14.1	82.0	930
[illegible]	37.2	78.2	27.1	85.2	930
[illegible]	[illegible]	60.5	17.4	81.5	930
[illegible]	44.3	20.4	3.7	69.0	930
[illegible]	23.3	9.7	.3	61.2	930
[illegible]	23.3	8.5	1.5	59.0	930
[illegible]	36.4	14.0	2.3	65.5	930
[illegible]	73.4	42.6	[illegible]	76.8	930
[illegible]	[illegible]	37.6	[illegible]	76.3	7440

MONTH: AUG

[illegible]	93.2	61.2	12.4	81.3	930
[illegible]	96.1	76.3	13.4	84.0	930
[illegible]	94.2	59.1	15.2	82.9	930
[illegible]	49.9	21.3	4.7	70.2	930
[illegible]	33.3	10.0	1.3	61.7	930
[illegible]	33.6	10.6	1.7	61.0	930
[illegible]	39.9	16.5	2.0	66.8	930
[illegible]	73.7	37.3	5.7	76.1	930
[illegible]	[illegible]	37.9	7.8	76.1	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURR
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD [illegible] PERIOD:
LST TO UTC: - 0 MONTH:

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								
	10%	20%	30%	40%	50%	60%	70%	[illegible]	
00-02	100.0	100.0	100.0	100.0	100.0	99.7	94.7	63.1	1
03-05	100.0	100.0	100.0	100.0	100.0	99.8	97.2	74.3	1
06-08	100.0	100.0	100.0	100.0	100.0	99.5	94.7	71.0	1
09-11	100.0	100.0	100.0	100.0	96.6	89.0	66.1	24.7	
12-14	100.0	100.0	100.0	99.7	89.3	66.1	29.0	11.1	1
15-17	100.0	100.0	99.9	98.7	85.6	52.4	27.3	6.4	
18-20	100.0	100.0	100.0	99.8	97.3	82.1	54.7	19.	
21-23	100.0	100.0	100.0	100.0	99.0	97.2	84.1	45.	
ALL HOURS	100.0	100.0	100.0	99.9	95.4	84.0	67.4	41.5	

[illegible]

00-02	100.0	100.0	100.0	100.0	100.0	99.5	91.7	59.3	1
03-05	100.0	100.0	100.0	100.0	100.0	99.9	93.4	67.8	21
06-08	100.0	100.0	100.0	100.0	100.0	99.9	93.7	72.5	2
09-11	100.0	100.0	100.0	100.0	99.9	96.5	79.1	46.5	1
12-14	100.0	100.0	100.0	99.9	98.8	91.7	82.7	54.4	
15-17	100.0	100.0	100.0	99.5	97.7	79.9	63.9	23.1	
18-20	100.0	100.0	100.0	100.0	99.6	93.5	75.8	42.6	
21-23	100.0	100.0	100.0	100.	100.0	98.9	87.4	51.	1
ALL HOURS	100.0	100.0	100.0	100.0	99.4	93.6	78.5	50.4	1

IVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

[illegible] REYJAVIK RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: SEP

ITY GREATER THAN OR EQUAL TO						
90%	80%	70%	60%	40%	MEAN	TOTAL OBS
100.0	99.7	94.7	83.1	13.2	81.2	899
100.0	99.8	97.2	74.3	19.6	84.0	900
100.0	99.6	95.8	71.6	16.9	83.7	900
96.6	85.6	68.1	24.7	4.2	72.9	900
89.3	66.0	29.0	11.1	1.9	63.7	900
86.6	62.4	27.8	9.9	2.4	62.6	900
97.3	82.1	54.7	28.6	3.7	70.5	900
99.1	97.2	84.1	45.8	5.8	77.9	900
96.4	84.2	67.9	43.6	8.7	77.9	7199

MONTH: OCT

100.0	99.6	91.7	66.3	13.3	82.2	930
100.0	99.9	93.4	67.3	21.2	83.1	930
100.0	99.9	93.7	72.6	20.6	83.5	930
99.9	95.5	79.6	45.6	12.2	78.4	930
98.3	81.7	52.9	24.4	4.9	70.8	930
97.7	79.9	53.9	23.1	5.1	70.5	930
99.5	93.5	75.3	42.6	8.3	76.3	930
100.0	98.9	87.4	53.2	14.6	80.2	930
99.4	93.6	78.5	50.4	13.1	80.2	7440

OPERATIONS LOCATION MAP
USAFETAC, ASH VILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 13583 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								
	10%	20%	30%	40%	50%	60%	70%	80%	90%
00-02	100.0	100.0	100.0	100.0	99.9	99.2	91.1	74.7	1
03-05	100.0	100.0	100.0	100.0	100.0	99.4	92.7	73.4	1
06-08	100.0	100.0	100.0	100.0	100.0	99.2	94.1	84.1	2
09-11	100.0	100.0	100.0	100.0	99.9	97.3	85.1	57.3	1
12-14	100.0	100.0	100.0	100.0	99.6	97.3	79.7	47.2	1
15-17	100.0	100.0	100.0	100.0	99.8	94.1	76.1	49.7	
18-20	100.0	100.0	100.0	100.0	100.0	97.	84.0	63.7	1
21-23	100.0	100.0	100.0	100.0	99.9	98.1	87.4	67.4	1
ALL HOURS	100.0	100.0	100.0	100.0	99.9	97.8	84.7	64.3	1

00-02	100.0	100.0	100.0	100.0	100.0	99.2	89.0	65.3	2
03-05	100.0	100.0	100.0	100.0	100.0	99.3	92.1	74.3	2
06-08	100.0	100.0	100.0	100.0	100.0	99.2	90.7	74.1	2
09-11	100.0	100.0	100.0	100.0	100.0	99.7	93.3	71.6	1
12-14	100.0	100.0	100.0	100.0	99.7	97.1	84.2	51.9	1
15-17	100.0	100.0	100.0	100.0	99.9	97.4	84.5	54.9	1
18-20	100.0	100.0	100.0	100.0	100.0	98.4	87.3	62.5	1
21-23	100.0	100.0	100.0	100.0	100.0	98.3	88.9	68.3	1
ALL HOURS	100.0	100.0	100.0	100.0	99.9	98.3	88.1	67.0	17

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

[illegible] AIRFORCE BASE, UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: NOV

HOUR	% GREATER THAN OR EQUAL TO 50%	70%	80%	90%	MEAN	TOTAL OBS
[illegible]	93.2	91.1	88.7	13.1	91.0	900
[illegible]	93.4	90.7	82.4	13.3	91.4	900
[illegible]	93.2	89.3	84.1	13.9	91.7	900
[illegible]	93.0	85.1	87.3	14.1	89.0	900
[illegible]	92.3	72.7	40.2	10.3	75.9	900
[illegible]	94.3	76.1	40.4	8.9	76.3	900
[illegible]	97.1	84.9	43.9	13.7	77.9	900
[illegible]	94.4	87.4	57.4	16.7	80.1	900
[illegible]	97.4	84.7	64.9	15.3	90.1	7200

MONTH: DEC

HOUR	% GREATER THAN OR EQUAL TO 50%	70%	80%	90%	MEAN	TOTAL OBS
[illegible]	93.2	89.5	65.9	20.4	91.9	930
[illegible]	93.3	89.4	64.9	21.4	91.9	930
[illegible]	93.2	90.7	64.1	21.1	91.7	930
[illegible]	93.7	90.3	61.5	18.4	91.3	930
[illegible]	97.1	84.2	51.9	11.5	73.9	930
[illegible]	97.4	84.5	54.9	12.4	79.3	930
[illegible]	96.4	87.3	62.5	18.4	91.2	930
[illegible]	94.3	88.9	63.3	18.6	91.4	930
[illegible]	94.3	88.1	61.0	17.9	91.4	7440

OPERATING LOCATION MAP
USAFETAC, ASH VILLE, NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURR
FROM HOURLY OBSERVATIONS

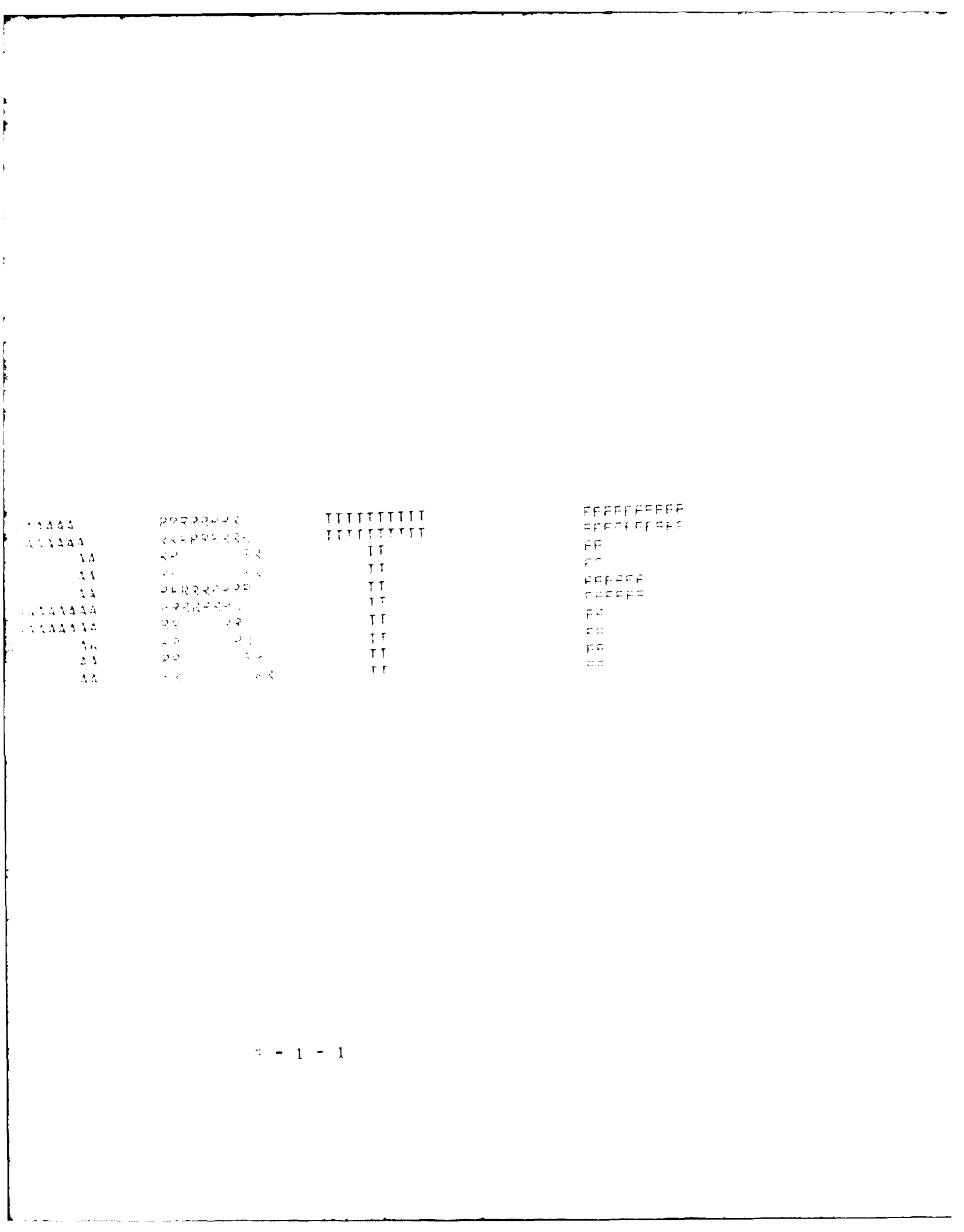
STATION NO: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK PERIOD OF
LST TO UTC: - 0 MONTH:

HOURS LST	[illegible]	[illegible]	RELATIVE HUMIDITY GREATER THAN [illegible]	30%	40%	50%	60%	70%	80%	[illegible]
00-02	[illegible]	[illegible]	100.0	100.0	99.5	97.3	84.2	49.5	1
03-05	[illegible]	[illegible]	100.0	100.0	99.9	98.7	91.1	63.4	1
06-08	[illegible]	[illegible]	100.0	100.0	99.9	99.4	[illegible]	72.4	1
09-11	[illegible]	[illegible]	100.0	99.7	97.9	[illegible]	67.3	35.7	
12-14	[illegible]	[illegible]	99.9	94.3	91.5	71.3	47.[illegible]	23.[illegible]	
15-17	[illegible]	[illegible]	99.9	97.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
18-20	[illegible]	[illegible]	99.8	99.4	95.7	83.3	61.[illegible]	34.[illegible]	
21-23	[illegible]	[illegible]	100.0	100.0	99.5	94.3	74.[illegible]	[illegible]	1
ALL HOURS	[illegible]	[illegible]	100.0	99.9	96.6	87.7	71.[illegible]	[illegible]	1

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

: UPPER MIYAZAKI KAF GX PERIOD OF RECORD: JUL 7x - JUN 8x
- 5 MONTH: ALL

HUMIDITY GREATER THAN OR EQUAL TO	00z	03z	06z	09z	12z	15z	18z	21z	TOTAL OBS
.1	99.x	9x.x	9x.x	9x.x	1x.x	9x.x	9x.x	9x.x	13957
.2	99.x	9x.x	9x.x	9x.x	1x.x	9x.x	9x.x	9x.x	13957
.3	9x.x	9x.x	9x.x	9x.x	1x.x	9x.x	9x.x	9x.x	13957
.4	9x.x	9x.x	9x.x	9x.x	1x.x	9x.x	9x.x	9x.x	13957
.5	9x.x	9x.x	9x.x	9x.x	1x.x	9x.x	9x.x	9x.x	13957
.6	9x.x	9x.x	9x.x	9x.x	1x.x	9x.x	9x.x	9x.x	13957
.7	9x.x	9x.x	9x.x	9x.x	1x.x	9x.x	9x.x	9x.x	13957
.8	9x.x	9x.x	9x.x	9x.x	1x.x	9x.x	9x.x	9x.x	13957
.9	9x.x	9x.x	9x.x	9x.x	1x.x	9x.x	9x.x	9x.x	13957
1.0	9x.x	9x.x	9x.x	9x.x	1x.x	9x.x	9x.x	9x.x	13957



PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATI

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME P-I (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, O
COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR CODE D

ALTIMETER SETTING.
IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDA
TOTAL OBSERVATION COUNTS.

STATION PRESSURE.
IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDA
TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCH

PART F

PRESSURE SUMMARIES

IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

UP STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH
MBINED).

L YEARS AND ALL HOURS COMBINED).

YEARS AND ALL HOURS COMBINED).

.

BLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION
MMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

.

CURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND
M COUNTS.

CURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND
M COUNTS.

NOTE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 03653 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	
0000	MEAN	29.94	30.03	29.87	30.00	29.93	30.00	30.05	30.
	SD	.400	.365	.373	.312	.259	.209	.193	.19
	TOT OBS	310	282	310	300	310	300	310	31
0300	MEAN	29.93	30.02	29.85	29.98	29.91	30.00	30.04	30.
	SD	.403	.364	.375	.311	.257	.211	.199	.1
	TOT OBS	310	283	310	300	310	300	310	31
0600	MEAN	29.97	30.02	29.84	29.99	29.92	30.01	30.04	30.
	SD	.411	.368	.381	.312	.260	.213	.203	.2
	TOT OBS	310	283	310	300	310	300	310	31
0900	MEAN	29.94	30.04	29.86	30.00	29.93	30.02	30.05	30.
	SD	.410	.369	.387	.314	.263	.213	.203	.2
	TOT OBS	310	283	310	300	310	300	310	31
1200	MEAN	29.93	30.04	29.86	29.99	29.92	30.02	30.04	30.
	SD	.414	.369	.389	.313	.262	.211	.199	.2
	TOT OBS	310	283	310	300	310	300	310	31
1500	MEAN	29.92	30.02	29.85	29.98	29.91	30.01	30.03	30.
	SD	.412	.367	.375	.310	.257	.210	.198	.1
	TOT OBS	310	283	310	300	310	300	310	31
1800	MEAN	29.93	30.02	29.86	29.99	29.91	30.01	30.03	30.
	SD	.407	.359	.371	.309	.256	.206	.196	.1
	TOT OBS	310	283	310	300	310	300	310	31
2100	MEAN	29.94	30.03	29.87	30.00	29.93	30.02	30.04	30.
	SD	.405	.365	.371	.311	.258	.210	.199	.1
	TOT OBS	310	283	310	300	310	300	310	31
ALL HOURS	MEAN	29.93	30.03	29.86	29.99	29.92	30.01	30.04	30.
	SD	.409	.361	.377	.312	.257	.209	.196	.1
	TOT OBS	2480	2263	2480	2400	2480	2400	2480	24

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

...YFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
29.93	30.02	30.05	30.02	30.02	29.95	29.98	29.87	29.97
.255	.209	.193	.195	.264	.356	.355	.437	.325
310	300	310	310	300	310	300	310	3652
29.91	30.00	30.04	30.00	30.00	29.93	29.97	29.86	29.96
.257	.211	.199	.200	.267	.358	.352	.431	.326
310	300	310	310	300	310	300	310	3653
29.92	30.01	30.04	30.01	30.00	29.93	29.97	29.85	29.96
.256	.213	.203	.205	.269	.356	.350	.429	.328
310	300	310	310	300	310	300	310	3653
29.93	30.02	30.05	30.02	30.01	29.95	29.99	29.87	29.97
.252	.213	.203	.205	.272	.353	.351	.430	.329
310	300	310	310	300	310	300	310	3653
29.92	30.02	30.04	30.02	30.02	29.95	29.98	29.87	29.97
.253	.211	.199	.201	.266	.350	.352	.429	.327
310	300	310	310	300	310	300	310	3653
29.91	30.01	30.03	30.00	30.00	29.93	29.97	29.85	29.95
.257	.206	.193	.192	.257	.345	.353	.426	.323
310	300	310	310	300	310	300	310	3653
29.91	30.00	30.02	30.00	30.00	29.94	29.98	29.86	29.96
.253	.204	.188	.187	.255	.343	.354	.430	.321
310	300	310	310	300	310	300	310	3653
29.93	30.02	30.04	30.02	30.02	29.95	29.98	29.86	29.97
.253	.206	.189	.188	.259	.353	.353	.436	.324
310	300	310	310	300	310	300	310	3653
29.92	30.01	30.04	30.01	30.01	29.94	29.98	29.86	29.96
.257	.209	.195	.197	.264	.352	.353	.431	.326
2480	2430	2439	2490	2400	2480	2400	2430	29223

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

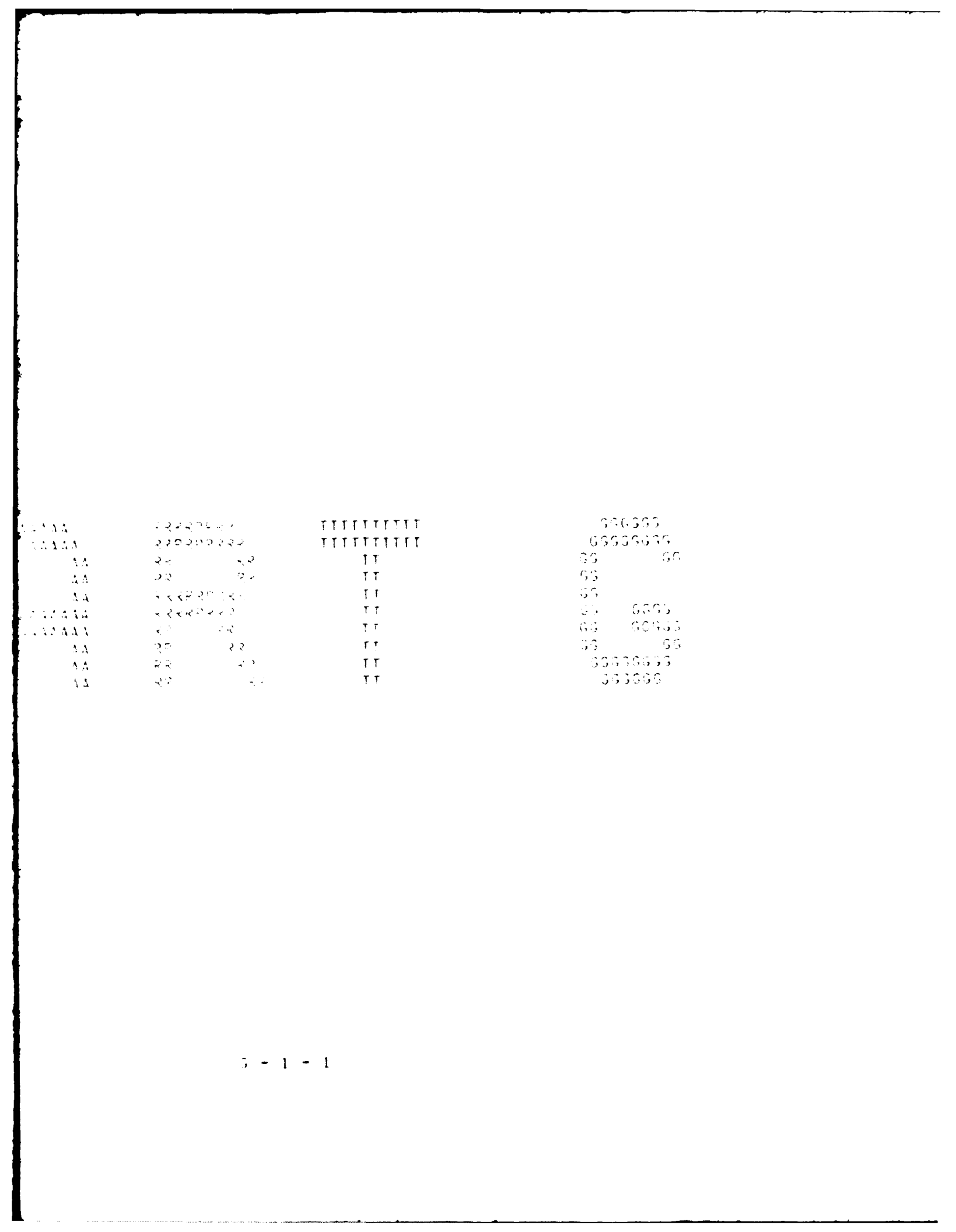
STATION NUMBER: 36353 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
0000	MEAN	29.45	29.55	29.39	29.52	29.45	29.54	29.57	29.[illegible]
	SD	.395	.361	.368	.309	.252	.237	.191	.19[illegible]
	TOT OBS	310	282	310	300	310	300	310	31[illegible]
0300	MEAN	29.45	29.54	29.37	29.51	29.43	29.53	29.56	29.[illegible]
	SD	.403	.360	.372	.307	.254	.239	.196	.19[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
0600	MEAN	29.44	29.54	29.37	29.51	29.44	29.53	29.56	29.[illegible]
	SD	.404	.359	.375	.309	.257	.241	.201	.2[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
0900	MEAN	29.45	29.55	29.38	29.52	29.44	29.54	29.57	29.[illegible]
	SD	.402	.356	.382	.311	.259	.241	.201	.2[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
1200	MEAN	29.43	29.53	29.36	29.52	29.44	29.54	29.55	29.[illegible]
	SD	.404	.355	.380	.309	.257	.240	.199	.19[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
1500	MEAN	29.44	29.54	29.37	29.51	29.43	29.53	29.55	29.[illegible]
	SD	.403	.353	.373	.306	.258	.238	.197	.19[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
1800	MEAN	29.45	29.55	29.38	29.53	29.45	29.55	29.58	29.[illegible]
	SD	.400	.358	.365	.304	.253	.231	.195	.1[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
2100	MEAN	29.45	29.55	29.40	29.52	29.45	29.54	29.57	29.[illegible]
	SD	.401	.355	.364	.305	.253	.234	.197	.19[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
ALL HOURS	MEAN	29.45	29.55	29.38	29.51	29.44	29.53	29.56	29.[illegible]
	SD	.403	.357	.373	.306	.254	.237	.194	.19[illegible]
	TOT OBS	2480	2263	2480	2400	2483	2400	2483	24[illegible]

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 89

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
[illegible]	29.46	29.54	29.57	29.54	29.54	29.47	29.50	29.39	29.49
[illegible]	.252	.207	.191	.193	.262	.352	.351	.431	.321
[illegible]	310	300	310	310	300	310	300	310	3652
[illegible]	29.43	29.53	29.56	29.53	29.53	29.45	29.49	29.38	29.48
[illegible]	.254	.209	.196	.197	.254	.353	.349	.426	.322
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.44	29.53	29.56	29.53	29.52	29.45	29.49	29.38	29.48
[illegible]	.257	.211	.201	.203	.265	.349	.345	.424	.324
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.46	29.54	29.57	29.54	29.54	29.47	29.51	29.39	29.49
[illegible]	.259	.211	.202	.203	.269	.349	.345	.424	.325
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.44	29.54	29.58	29.54	29.54	29.47	29.50	29.39	29.49
[illegible]	.257	.209	.195	.199	.263	.346	.345	.423	.323
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.43	29.53	29.55	29.53	29.52	29.45	29.49	29.37	29.48
[illegible]	.253	.203	.191	.191	.254	.341	.349	.421	.319
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.43	29.52	29.55	29.52	29.53	29.46	29.50	29.38	29.48
[illegible]	.250	.201	.194	.195	.252	.344	.350	.425	.317
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.46	29.54	29.57	29.54	29.54	29.47	29.51	29.38	29.49
[illegible]	.253	.204	.197	.196	.257	.349	.354	.431	.320
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.44	29.53	29.56	29.53	29.53	29.46	29.50	29.38	29.49
[illegible]	.254	.207	.194	.195	.261	.348	.349	.426	.322
[illegible]	2430	2400	2430	2430	2400	2480	2400	2480	29223



PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.
THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBS
PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOL

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0900-2059 LST
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0900-2059 LST

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (PCOF)
COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN T
THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE HOURLY WIN
FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST
SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING
AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF
EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

PART G

CROSSWIND SUMMARY

ES.
ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING
ARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

(ALL YEARS AND ALL HOURS COMBINED).

(ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

(ALL YEARS AND ALL HOURS COMBINED).

(ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND
THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS.
COMPONENT CATEGORIES:

ENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED
AND OR RECORD-SPECIAL OBSERVATIONS.

PONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND
TION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS,
SERVATIONS.

NTS INCLUDE CALM WINDS.

ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR
CEEDED THRESHOLD WIND SPEED VALUE(S).

ATION COUNT IS INCLUDED.

OPERATING LOCATION "AW"
USAFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM JOINT SURFACE OBSERVATIONS

STATION NUMBER: 23653 STATION NAME: UPPER HEYFORD/RAF UP
LST TO UTC: - 0

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY

CATEGORY B: HIGHEST CEILING AND/OR VISIBILITY (HOURLY

TIME (LST) 0000 - 0259 0300 - 0559

UPPER AIR (KTS)	01-03	04-06	07-10	11-16	17-21	22-27	28-33	34-47	48+
CATEGORY A	2.1			92.9	4.8	.1		.0	.0
CATEGORY B	.1	.0		92.9	7.2	.3		.0	.1

TIME (LST) 1200 - 1459 1500 - 1759

UPPER AIR (KTS)	01-03	04-06	07-10	11-16	17-21	22-27	28-33	34-47	48+
CATEGORY A	.4	.1		93.0	5.6			.0	.0
CATEGORY B	.0	.0		93.3	6.3	.1	.1	.0	.0

TIME (LST) 2000 - 2259

UPPER AIR (KTS)	01-03	04-06	07-10	11-16	17-21	22-27	28-33	34-47	48+
CATEGORY A	3.0	.0		94.0					
CATEGORY B	3.0	.0	.0	94.0					

FREQUENCY OF OCCURRENCE OF CROSSWINDS
(HOURLY OBSERVATIONS)

MAGNETIC RUNWAY HEADING: 085-265

PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JAN

CEILING VISIBILITY (HOURLY OBSERVATIONS)

ALL WEATHER CONDITIONS WITHIN THE MIX (HOURLIES + SPECIALS)

0001 - 0459				0500 - 0859				0900 - 1159			
[illegible]	3	6	10	[illegible]	21	29	36	[illegible]	15	25	35
0	1	2	3	0	2	3	3	2	6	9	11
0	3	4	5	1	1	1	2	3	5	7	9

1200 - 1459				1500 - 1759				2100 - 2359			
[illegible]	3	6	10	[illegible]	15	25	35	[illegible]	15	25	35
0	1	2	3	0	2	3	3	2	6	9	11
0	3	4	5	1	1	1	2	3	5	7	9

[illegible] ALL HOURS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	0	0	7443
0	0	0	0	7443

[illegible] WAM
[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE BY [illegible]
[illegible]

STATION [illegible]: [illegible] STATION NAME: [illegible]
LST TO UT: - 5

CATEGORY A: ANY CEILING OR VISIBILITY (OR BOTH)

CATEGORY B: HIGHEST CEILING LAYER AND LOWEST [illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]			
[illegible] (MTH)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CAT A	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]
CAT B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]			
[illegible] (MTH)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CAT A	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]
CAT B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (LST)	[illegible] - [illegible]							
[illegible]	[illegible]							
CAT A	[illegible]							
CAT B	[illegible]							

FREQUENCY OF OCCURRENCE OF CROSSWINDS
AROW (HOURLY OBSERVATIONS)

MAGNETIC RUNWAY HEADING: 085-265

PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: FEB

WAY CEILING OR VISIBILITY (HOURLY OPS ONLY)

HIGHEST WINDS OCCURRED WITHIN THE HOUR (HOURLIES + SPECIALS)

0301 - 0500				0501 - 0900				0901 - 1100			
0-13	0523	0535	OVS	0515	0527	0535	OVS	0515	0523	0535	OVS
2.4			2.4	1.5			1.5	4.1			4.1
2.5	.1		2.6	4.4	.4		4.8	7.3	.7		8.0

1101 - 1700				1701 - 2100				2101 - 2300			
0515	0523	0535	OVS	0515	0523	0535	OVS	0515	0523	0535	OVS
4.1			4.1	3.7			3.7	2.6			2.6
7.1	.4		7.5	7.1			7.1	5.3	.2		5.5

2301 - 0300				ALL HOURS			
0515	0523	0535	OVS	0515	0523	0535	OVS
4.3			4.3	3.3			3.3
5.0	.1		5.1	5.1	.4	.1	5.6

OPERATING LOCATION: "AW"
[illegible], [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
FROM [illegible] OBSERVATIONS

STATION [illegible]: [illegible] STATION NAME: UPPER HOYFORD [illegible]
LST TO UTC: - 0

CATEGORY A: ANY CEILING OR VISIBILITY [illegible]

CATEGORY B: HIGHEST WIND [illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
[illegible] (KTS)	[illegible]	[illegible]	[illegible]	TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
[illegible] (KTS)	[illegible]	[illegible]	[illegible]	TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (LST)	[illegible] - [illegible]				
[illegible] (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: MAR

ALL WEATHER VISIBILITY (HOURLY OBS ONLY)

ALL WIND REPORTS WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500			0600 - 0800				0900 - 1100			
[illegible]	[illegible]	[illegible]	5.2	.1		930	5.2			930
.7	.1	[illegible]	7.0	.4	.1	930	13.0	.5	.2	930

1400 - 1700			1800 - 2000				2100 - 2300			
[illegible]	[illegible]	[illegible]	3.4			930	4.2			930
.4		[illegible]	7.5	.2	.2	930	9.9	1.2		930

[illegible]	ALL WINDS				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	4.1	.0		7440
.1	[illegible]	7.1	.6	.1	7440

OPERATING LOCATION "A"
USAFETAC, ASH VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD, RAF UK
LST TO UTC: - 0

CATEGORY A: ANY CEILING OR VISIBILITY (<3 [illegible]

CATEGORY B: HIGHEST WINDS REPORTED WITHIN [illegible]

TIME (LST) 0000 - 0259 [illegible]

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	1.3			[illegible]	1.3			[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	2.7	[illegible]		[illegible]	[illegible]

TIME (LST) 1200 - 1459 1[illegible] - 17

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

TIME (LST) [illegible] - [illegible]

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	3.1			[illegible]	
CATEGORY B	7.3	[illegible]		[illegible]	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] HEYFORD RAF UK

PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR

: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
5KTS	10KTS	15KTS	OBS	5KTS	10KTS	15KTS	OBS	5KTS	10KTS	15KTS	OBS
1.0			[illegible]	1.7			[illegible]	4.0			[illegible]
2.7	.2		[illegible]	4.3	.2		[illegible]	5.5	.3		[illegible]

1400 - 1700				1800 - 2000				2100 - 2300			
5KTS	10KTS	15KTS	OBS	5KTS	10KTS	15KTS	OBS	5KTS	10KTS	15KTS	OBS
3.4			[illegible]	1.7			[illegible]	1.3			[illegible]
4.3	.3		[illegible]	.9			[illegible]	3.4	.2		[illegible]

0000 - 0200				ALL HOURS			
5KTS	10KTS	15KTS	OBS	5KTS	10KTS	15KTS	OBS
.1			4500	2.4			7200
.	.2		4500	3.7	.2		7200

OPERATING LOCATION "A"
USAFSTAC, FSMEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM JANUARY TO DECEMBER

STATION NUMBER: 72314 STATION NAME: UPPER HEYFORD GAF UK
LST IN UTC: - 0

CATEGORY A: ANY CEILING OR VISIBILITY (MILITARY

CATEGORY B: HIGHEST CEILING REPORTED WITHIN T

TIME (LST)	0000 - 0259				0300 - 0559				
SPEED (KTS)									
CATEGORY A	.4				.1				
CATEGORY B	1.				1.6				

TIME (LST)	1200 - 1459				1500 - 1759				
SPEED (KTS)									
CATEGORY A	4.4				4.2				
CATEGORY B	11.4	.7			7.4				

TIME (LST)	2100 - 2359								
SPEED (KTS)									
CATEGORY A					2.7				
CATEGORY B					5.3	.3	.1		

[illegible] FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] REYES AFB, TX

PERIOD OF RECORD: JUL 73 - JUN 89
MONTH: MAY

SKY CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

[illegible] - [illegible]				0500 - 0700				0900 - 1100			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.1			93	1.4			930	3.1			930
1.9			93	4.9	.3		930	7.1	.3	.1	930

1[illegible] - 17[illegible]				1[illegible] - 2000				2100 - 2300			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.2			930	1.3			930	.5			930
2.3			93[illegible]	4.4			930	2.3			930

[illegible] - 2359			ALL HOURS			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		4559	1.9			7449
.2	.1	4559	4.7	.1	.3	7449

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM HOURLY SURFACE OBSERVATIONS

STATION NUMBER: 93453 STATION NAME: UPPER HEYFORD AIR BA
LST TO UTC: - 0

CATEGORY A: ANY CEILING OR VISIBILITY (APPLY

CATEGORY B: HIGHEST CEILING REPORTED WITHIN

TIME (LST)	0000 - 0259				0300 - 0559				
SPEED (KTS)	0-15	16-26	27-35	36+	0-15	16-26	27-35	36+	
CATEGORY A	.1			.0	.1			.0	
CATEGORY B	1.1			.0	.7			.0	

TIME (LST)	1200 - 1459				1500 - 1759				
SPEED (KTS)	0-15	16-26	27-35	36+	0-15	16-26	27-35	36+	
CATEGORY A	1.4			.0	1.3			.0	
CATEGORY B	.4			.0	.1			.0	

TIME (LST)	2100 - 2359				
SPEED (KTS)	0-15	16-26	27-35	36+	
CATEGORY A	1.1			.0	
CATEGORY B	.7			.0	

USE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] MEYERS RAF UK

PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JUN

ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.1		[illegible]		.2		[illegible]		1.2		[illegible]	
.7		[illegible]		1.2		[illegible]		2.2		[illegible]	

1200 - 1400				1500 - 1700				1800 - 2000			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.3		[illegible]		.4		[illegible]		.4		[illegible]	
1.1		[illegible]		1.2		[illegible]		1.4		[illegible]	

2100 - 2300				ALL HOURS			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]		.3		[illegible]	
		[illegible]		2.3		[illegible]	

OPERATING LOCATION: MAP
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM SUPPLY SPEC VARIOUS

STATION NUMBER : [illegible] STATION NAME: COPER HOY/ROB AFB OK
LST TO UTC: - 7

CATEGORY A: ANY CEILING < VISIBILITY (MILES)

CATEGORY B: HIGHEST WINDS ASSOCIATED WITH A

TIME (LST)	0000 - 0259				0300 - 0559					
SPEED (KTS)	0-13	14-21	22-33	34	0-15	16-21	22-33	34		
CATEGORY A	.8				.8					
CATEGORY B	.2				.2					

TIME (LST)	1200 - 1459				1500 - 1759					
SPEED (KTS)	0-13	14-21	22-33	34	0-15	16-21	22-33	34		
CATEGORY A	1.4				.8					
CATEGORY B	.1				.1					

TIME (LST)	1800 - 2059									
SPEED (KTS)	0-13	14-21	22-33	34						
CATEGORY A	.7									
CATEGORY B	.5	.1								

FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: JUL

[illegible] CEILING VS VISIBILITY (HOURLY OBS ONLY)

[illegible]EAST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0459				0500 - 0659				0700 - 1100			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0715	0929	0535	[illegible]
.3			930	.6			930	.3			930
.3			93	1.3			[illegible]	2.3	.1		930

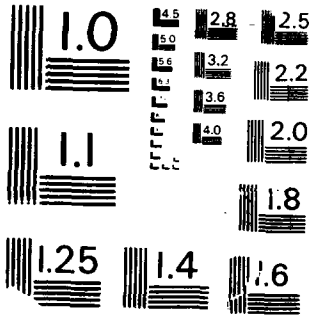
1700 - 1759				1800 - 2059				2100 - 2300			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.3			930	.3			930	.1			930
.1			93	1.3			930	.3			930

[illegible] - 2359 ALL HOURS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		93		.3		7443	
.1		43		1.3	.1	7443	

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR HIPER 0/0
HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89
UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL

[redacted]


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6

[illegible] FREQUENCY OF OCCURRENCE OF CEILINGS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADINGS: 035-215

[illegible] OBSERVED [illegible]

PERIOD OF RECORD: JUL 71 - JUN 80
MONTH: ALL

CEILING IN HUNDREDS OF FEET (GROUPED AS NEEDED)

VISIBILITY (GROUPED AS NEEDED)

HIGHEST WINDS FOR PERIOD WITHIN THE [illegible] (MAJORLIES & SPECIALS)

[illegible] - [illegible]				[illegible] - [illegible]				0900 - 1100			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.7		23)	.7		33?	1.7			33?
1.1		43	1.1		33?	4.1			43?

1[illegible] - 17??				1??? - 2???				2100 - 2300			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.5		43?	.7		33?	.5			33?
2.7		33?	2.7		33?	1.4			33?

[illegible] - 2???				ALL HOURS			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.1		43??		1.1		7443	
.7	.0	43??		2.7	.0	7443	

[illegible] PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
[illegible] FROM HOURLY [illegible] OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
LAT/LONG: [illegible]

CAT-EGORY A: ANY SPECIFIED VISIBILITY (MILES)

CAT-EGORY B: HIGHEST WIND SPEED OCCURRING IN [illegible]

TIME (LST)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CAT-EGORY A	[illegible]		[illegible]	[illegible]		[illegible]		
CAT-EGORY B	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]

TIME (LST)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CAT-EGORY A	[illegible]		[illegible]	[illegible]		[illegible]		
CAT-EGORY B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (LST)	[illegible]	[illegible]	[illegible]	[illegible]
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]
CAT-EGORY A	[illegible]		[illegible]	[illegible]
CAT-EGORY B	[illegible]	[illegible]	[illegible]	[illegible]

FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: SEP

CEILING VS VISIBILITY (HOURLY OBS ONLY)

(FIRST FIGURE REPRESENTS CEILING, THE SECOND (HOURLIES + SPECIALS)

0000 - 0259					0300 - 0559					0600 - 1159				
1/2	1/2-1	1-2	2+	CIG	1/2	1/2-1	1-2	2+	CIG	1/2	1/2-1	1-2	2+	CIG
.2			99.7	.4				99.6	2.2				97.8	
1.3			98.7	2.3				97.7	5.1	.5			94.4	

1200 - 1759					1800 - 2059					2100 - 2359				
1/2	1/2-1	1-2	2+	CIG	1/2	1/2-1	1-2	2+	CIG	1/2	1/2-1	1-2	2+	CIG
.7			99.3	.4				99.6	1.1				98.9	
.9	.3		98.8	2.2	.1			99.8	1.4	.1	.1		98.4	

ALL HOURS				
1/2	1/2-1	1-2	2+	CIG
	1.5		98.5	
.3	3.3	.2	.3	96.9

OPERATING LOCATION: MCAS
BEAUFORT, SOUTH CAROLINA

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
AND VISIBILITY BY HOUR

STATION NUMBER: 93134 STATION NAME: BEAUFORT MCAS SC
LST TO UTC: - 5

CATEGORY A: ANY CEILING OR VISIBILITY (ANY)

CATEGORY B: HIGHEST CEILING OF 1,000 FEET OR LESS AND/OR VISIBILITY 3 MILES OR LESS

TIME (LST)	0000 - 0259				0300 - 0559					
CEILING (FTS)	3,501	2,001	1,001	0	3,501	2,001	1,001	0		
CAT A	4.4	4.1	3.9	3.5	4.1	4.0	3.8	3.5		
CAT B	4.4	4.1	4.1	3.9	4.3	4.2	4.0	3.8		

TIME (LST)	1200 - 1459				1500 - 1759					
CEILING (FTS)	3,501	2,001	1,001	0	3,501	2,001	1,001	0		
CAT A	4.4	4.2	4.0	3.8	4.3	4.2	4.0	3.8		
CAT B	4.7	4.6	4.5	4.3	4.7	4.6	4.5	4.3		

TIME (LST)	0000 - 2359					
CEILING (FTS)	3,501	2,001	1,001	0		
CAT A	2.8	2.6	2.5	2.3		
CAT B	3.7	3.5	3.4	3.2		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] AFB, [illegible]

PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: OCT

CEILING IN HUNDREDS OF FEET AND VISIBILITY IN STATUTE MILES

WIND: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0001 - 0300				0301 - 0600				0601 - 0900			
0015	0224	0635	995	0015	0224	0635	995	0015	0224	0635	995
1.4			990	1.7			993	3.1			991
6.2	.3		990	5.2	.2		990	8.0	.5		990

0901 - 1200				1201 - 1500				1501 - 1800			
0015	0224	0635	995	0015	0224	0635	995	0015	0224	0635	995
3.2			997	1.3			999	.			999
7.2			993	4.1			999	3.4			997

1801 - 2100				ALL HOURS			
0015	0224	0635	995	0015	0224	0635	995
[illegible]			4550	2.1	.0		7440
[illegible]	.3		4550	5.3	.2	.2	7440

OPERATIONAL LOCATION MAP
STATISTICS, 1ST VIEW

PERCENTAGE FREQUENCY OF OCCURRENCE FOR ALL OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
EST TO UTC: - 7

CATEGORY A: ANY CEILING, VISIBILITY [illegible]

CATEGORY B: HIGHEST ALLIED OPERATIONAL CEILING [illegible]

TIME (EST) [illegible] - [illegible]

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]					[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

TIME (EST) [illegible] - [illegible]

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]			[illegible]		[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

TIME (EST) [illegible] - [illegible]

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]	[illegible]		[illegible]		[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

...TAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
...ROM HOURLY OBSERVATIONS

...P MAYERICK PAP TX

MAGNETIC RUNWAY HEADING: 035-215

PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: NOV

ANY CEILING & VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS MEASURED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0559				0600 - 0859				0900 - 1159			
CIG	VIS	BOTH	OBS	CIG	VIS	BOTH	OBS	CIG	VIS	BOTH	OBS
2.[illegible]			[illegible]	[illegible].6	.1		[illegible]	5.1			[illegible]
[illegible].[illegible]	.[illegible]	.[illegible]	[illegible]	[illegible].[illegible]	.[illegible]	.1	[illegible]	1[illegible].[illegible]	.[illegible]		[illegible]

1200 - 1759				1800 - 2359				2100 - 2300			
CIG	VIS	BOTH	OBS	CIG	VIS	BOTH	OBS	CIG	VIS	BOTH	OBS
[illegible].[illegible]			[illegible]	[illegible].[illegible]			[illegible]	[illegible].[illegible]			[illegible]
[illegible].[illegible]	.[illegible]		[illegible]	[illegible].[illegible]	.[illegible]		[illegible]	[illegible].[illegible]	.[illegible]	.1	[illegible]

[illegible]00 - 2359			ALL HOURS			
[illegible]	[illegible]	OBS	CIG	VIS	BOTH	OBS
.[illegible]		4500	[illegible].[illegible]	.[illegible]		7200
.[illegible]	.[illegible]	[illegible]	7.7	.[illegible]	.1	7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 035-215

STN: HOPE HAYFORK CAF AS
CIG: -)

PERIOD OF RECORD: JUL 73 - JUL 88
MONTH: DEC

Y AXIS: ANY CEILING OR VISIBILITY (AMPLY BAS ONLY)

X AXIS: HIGHEST WIND PERPENDICULAR WITH THE RUNWAY (KNOTS + GUSTS)

	2[illegible] - [illegible]				3[illegible] - [illegible]				[illegible] - 11[illegible]			
[illegible]	3[illegible]	[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]	3[illegible]	[illegible]	3[illegible]	[illegible]	3[illegible]	[illegible]
[illegible]	4.2			[illegible]	.[illegible]			[illegible]	[illegible].1			[illegible]
[illegible]	[illegible].1	.3		[illegible]	[illegible].3	.[illegible]		[illegible]	1[illegible].2	1.[illegible]		[illegible]

	1[illegible] - 1[illegible]				1[illegible] - 2[illegible]				[illegible]0[illegible] - 23[illegible]			
[illegible]	3[illegible]	[illegible]	[illegible]	[illegible]	3.[illegible]	[illegible]	[illegible]	[illegible]	3.[illegible]	[illegible]	3[illegible]	[illegible]
[illegible]	3.[illegible]	.1		[illegible]	4.3			[illegible]	4.3			[illegible]
[illegible]	7.3	1.[illegible]	.1	[illegible]	.7	.[illegible]	.[illegible]	[illegible]	[illegible].7	.		[illegible]

2[illegible] - 2[illegible]				ALL [illegible]2-3			
2[illegible]	3[illegible]	[illegible]	[illegible]	3.[illegible]	[illegible]	3.[illegible]	[illegible]
[illegible].4	.3		4663	4.3	.3		7447
[illegible].3	.[illegible]	.1	4[illegible]	.[illegible]	.7	.1	7447

[illegible] SUMMARY OF OCCURRENCES BY CLASSIFICATION
[illegible] MONTHLY AND ANNUAL

MAGNETIC RUNWAY HEADING: 095-255

[illegible]

PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: ALL

[illegible] BY VISIBILITY (MONTHLY AND ONLY)

[illegible] BY WIND [illegible] WITHIN [illegible] OF RWY (ADD'L LIFTS + OFFICIALS)

[illegible]	[illegible] - [illegible]	[illegible] - [illegible]	[illegible] - 1100
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible] - [illegible]	[illegible] - [illegible]	[illegible] - 2300
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

[illegible] - [illegible]	ALL [illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DEGREE DAY SUMMARIES

...DAYS.
...CREATED FROM HOURLY OBSERVATIONS (MAY BE ...AVAIL...
THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR...

INCLUDED WITH EACH SUMMARY ARE STATISTICS ...
...(IF AVAILABLE). THE 30-YEAR ... CONSISTENT WITH OTHER STANDARD CLIMATIC ... OF THE NATIONAL CLIMATIC DATA CENTER (...). ... CHANGE TO 1951-1980 AS SOON AS DATA ...

...WITH NO AVAILABLE DATA ... IN THESE TABLES. ASTERISKS (****) ... CANNOT BE CALCULATED (...) ...

...DEGREE DAYS.
A "HEATING DEGREE DAY" IS ASSIGNED ... MEAN TEMPERATURE FALLS BELOW A ... FAHRENHEIT. FOR EXAMPLE, IF THE ... THAT DAY IS SAID TO HAVE ... DAY.

...DEGREE DAYS.
A "COOLING DEGREE DAY" IS ASSIGNED ... IF TEMPERATURE RISES ABOVE A ... FAHRENHEIT. FOR EXAMPLE, IF THE ... DEGREES, THAT DAY IS SAID TO HAVE ...

... HAS BEEN SELECTED AS THE ... "BASE TEMPERATURE" AT WHICH (OR CLOSE TO WHICH) ... HEATING IS REQUIRED. IF ANOTHER BASE TEMPERATURE ... TABLES, IT WAS SPECIALLY REQUESTED BY THE USER, ...

1. THESE SUMMARIES ARE ... AVAILABLE ...

PART I

DEGREE DAY SUMMARIES

...ULY OBSERVATIONS (MAXIMUM AND MINIMUM AVAILABLE). THESE TABLES GIVE THE ... DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

...ATA EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) ... (...). THE 30-YEAR NORMALS PROVIDED ARE USED WITH A SUMMARY ... OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE ... CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR BOX WILL ...-1980 AS SOON AS DATA FOR DECEMBER 1980 HAS BEEN PROCESSED.

... AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS ... ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT ...ULATED (FILLED IN) AUTOMATICALLY.

...YS.
...E DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE ... FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* ... EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, ... IS SAID TO HAVE 8 HEATING DEGREE DAYS.

...YS.
...E DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE ... ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* ... EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 73 ...AY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

...IT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD ...E" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR ... IS NEED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE ...IALLY PROVIDED BY THE STATION, IT IS NOTED.

...RMALS ARE NOT AVAILABLE FOR PART TIME PERIODS.

[illegible]

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: - 6

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1951								
1952	[illegible]	777	522	431	244	1[illegible]	[illegible]	1[illegible]
1953	[illegible]	71[illegible]	55[illegible]	53[illegible]	[illegible]	2[illegible]	1[illegible]	[illegible]
1954	[illegible]	7[illegible]	6[illegible]	6[illegible]	3[illegible]4	2[illegible]	1[illegible]	1[illegible]
1955	[illegible]	[illegible]	49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1956	1[illegible]	[illegible]	[illegible]	[illegible]	329	[illegible]	1[illegible]	[illegible]
1957	71	[illegible]	[illegible]	[illegible]	*****	*****		
1958							*****	
1959	[illegible]	7[illegible]	[illegible]	[illegible]	3[illegible]	1[illegible]	[illegible]	[illegible]
1960	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11[illegible]	1[illegible]	1[illegible]
1961	7[illegible]	[illegible]	[illegible]	[illegible]	441	[illegible]	1[illegible]	1[illegible]
1962	7[illegible]	[illegible]	[illegible]	357	[illegible]	[illegible]	1[illegible]	[illegible]
1963	111[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]	[illegible]
1964	[illegible]	[illegible]	7[illegible]	[illegible]	[illegible]	1[illegible]	7[illegible]	[illegible]
1965	[illegible]	[illegible]	[illegible]	*****	*****	*****	*****	*****
1966	*****	*****	*****	*****	*****	*****	*****	*****
1967	[illegible]	[illegible]	[illegible]	[illegible]	427	[illegible]	[illegible]	1[illegible]
1968	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]
1969	[illegible]	[illegible]	7[illegible]	535	[illegible]	[illegible]	[illegible]	1[illegible]
1970	7[illegible]	7[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]	1[illegible]
1971	7[illegible]	[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]	1[illegible]	11[illegible]
1972	[illegible]	[illegible]	[illegible]	[illegible]	434	[illegible]	1[illegible]	1[illegible]
1973	[illegible]	71[illegible]	[illegible]	[illegible]	463	173	[illegible]	37
1974	7[illegible]	[illegible]	7[illegible]	*****				*****
1977	[illegible]	[illegible]	513	575	407	317	14[illegible]	239

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STN: UPPER HEYFORD RAF UK
YR: - -

PERIOD OF RECORD: NOV 51 - JUN 88

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
							821	1	1210
431	244	1	39	104	372	477	745	877	5229
5	2	2	1	37	227	4	543	825	5371
5	3	2	1	104	2	3	804	5	5749
4	4	2	1	47	1	5	827	9	5824
513	329	253	1	224	3	474	8	711	6129
2	****	****							2359
			****		****	3	8	743	1794
452	3	147	7	7	14	3	6	1	4956
4	2	11	1	1	2	4		7	5471
421	441	227	17	145	1	413	5	5	5343
3	433	212	13	3	2	4	5	3	5146
4	4	1	12	1	24	411	5	7	5175
471	22	142	7	47	13	465	812	773	5230
****	****	****	****	****	****	****	****	****	2354
****	****	****	****	****	****	479	74	7	1372
5	427	23	9	134	2	433	712	3	5225
2	4	1	20	1	23	314	3	7	5365
5	3	241	4	133	243	247	5	1	5717
5	27	133	15	14	124	3	5	7	5560
3	393	229	134	115	1	505	551	7	5559
5	434	244	15	164	335	5	604	5	5670
3	463	173	43	37	21	447	5	770	5571
****				****	25	425	541	3	4324
5	407	317	145	209	23	397	624	641	5615

1978	[illegible]	793	545	625	357	[illegible]	174	17	[illegible]
1979	1025	663	77[illegible]	641	415	174	71	14[illegible]	[illegible]
1980	[illegible]	634	72[illegible]	495	373	207	173	[illegible]	1
1981	7[illegible]	733	50[illegible]	500	441	301	12[illegible]	[illegible]	1
1982	[illegible]1	597	69[illegible]	492	337	12[illegible]	1[illegible]	12[illegible]	1
1983	[illegible]	[illegible]	65[illegible]	597	445	212	13	[illegible]	[illegible]
1984	7[illegible]	757	745	52[illegible]	46[illegible]	1[illegible]	[illegible]7	[illegible]	1
1985	[illegible]	[illegible]	777	55[illegible]	421	[illegible]	1[illegible]	12[illegible]	[illegible]
1986	[illegible]7	1017	757	590	426	26[illegible]	1[illegible]	2[illegible]	
1987	[illegible]	75[illegible]	775	432	451	[illegible]	1[illegible]	1[illegible]	
1988	[illegible]	7[illegible]	54[illegible]	552	45[illegible]	[illegible]			

••

MEAN	[illegible]	755	594	537	385	214	12[illegible]	136	
SD	[illegible]	1[illegible].74	[illegible]3.72	54.5[illegible]	71.2[illegible]	[illegible].[illegible]1	[illegible].31	[illegible]	[illegible]

****SPL 30Y[illegible] [illegible] (1[illegible] -1[illegible])****

MEAN	73[illegible]	[illegible]	[illegible]1[illegible]	476	[illegible]	17[illegible]	1[illegible]	11	
SD	7[illegible].	7[illegible].7[illegible]	65.57	57.1[illegible]	59.[illegible]1	47.71	[illegible]	[illegible]	[illegible]

525	357	245	174	175	232	357	542	791	5724
441	415	134	71	140	229	355	536	562	5462
449	373	207	173	95	154	463	579	752	5446
530	441	331	122	35	155	545	514	373	5939
442	337	128	100	123	183	421	530	754	5211
537	445	212	13	53	235	421	571	599	5348
525	459	132	47	56	174	244	540	733	5355
552	421	325	131	174	173	354	748	641	6093
493	436	242	132	232	318	355	524	565	6179
432	451	254	123	155	215	441	515	652	5522
552	353	235							3153

529	395	214	121	134	224	419	514	751
[illegible]	71.20	52.01	41.51	32.28	54.31	72.32	52.17	92.11

****SAL 304* SUMMARY (1981 -1983)****

479	320	173	104	114	203	315	509	733
[illegible]	59.51	47.71	35.50	35.92	44.21	59.51	57.30	74.52

[illegible] LOCATION MAP
[illegible], ASHEVILLE, NC

CUMULATIVE [illegible] DAYS
FROM MIDDLEBY [illegible] STATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TAPE DTC: - 0

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
[illegible]					[illegible]	[illegible]	[illegible]	[illegible]
[illegible]					11	[illegible]	[illegible]	[illegible]
[illegible]					1			[illegible]
[illegible]						[illegible]	[illegible]	[illegible]
[illegible]							1	
[illegible]					1	7	[illegible]	[illegible]
[illegible]						[illegible]		1
[illegible]						[illegible]	[illegible]	
[illegible]						1		
[illegible]						[illegible]	[illegible]	
[illegible]						[illegible]	[illegible]	[illegible]
[illegible]							2	
[illegible]							[illegible]	[illegible]
[illegible]						[illegible]	[illegible]	[illegible]
[illegible]						17	[illegible]	[illegible]
[illegible]								[illegible]
[illegible]							[illegible]	[illegible]
[illegible]							[illegible]	[illegible]
[illegible]							[illegible]	[illegible]
[illegible]					1		[illegible]	
[illegible]					[illegible]	[illegible]	[illegible]	[illegible]
[illegible]						[illegible]	[illegible]	[illegible]
[illegible]					1	[illegible]	[illegible]	[illegible]
[illegible]					[illegible]	[illegible]	[illegible]	[illegible]

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

[illegible] AFB, [illegible] PERIOD OF RECORD: NOV 51 - JUN 58

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	25	33	4					76
11	15	4	29					59
1			3	2				6
	2	44	72	4				125
		1		3				21
1	7	47	51	7	1			116
	24		1					25
	3	4	7	5				22
	1							1
	3	3						11
	2	33	37	3				75
		22	3					25
		13	3					16
	2	49	22		2			74
	17	13	5	4				40
			16	10				26
		2	1					3
	5	34	101	4				144
		10	2					12
1		2		2				5
2	4	23	10					41
	9	7	11					27
		7	23	3				33
1	29	20	24	5				79

1993			11	2
1994		11	2	4
1995				1
1996		1	11	
1997		9	3	17
1998		1		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	2.32	4.34	34.3%	34.1%

**********SPL 3.4- SUMMARY (19 1 -1 -)**********

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1.73	1.75	11.7	11.4

		11	29			147
	11	2	45	11		33
		2	3	1	4	17
	19	11				21
	2	2	17	1		35
	1					1
	3	5	17	2	1	
	2.32	4.24	24.35	24.10	3.42	.22

***** BIVARIATE FREQUENCY (ROW-COLUMN) *****

1	4	14	14	2	1
1.73	1.73	11.22	11.42	1.41	.00

STATION NAME: UPPER HEYFORD RAF UK
LATITUDE/LONGITUDE: 51 56 N 001 1[illegible]
CLIMATIC [illegible] HOURLY OBS PORS: JUL 7[illegible] - JUN [illegible]
SUMMARY OF DAY PORS: NOV 51 - [illegible] ([illegible] , [illegible])
HOURS SUMMARIZED: 0000 - 2300 LST
LST TO UTC: +0

[illegible]	JAN	FEB	MAR	APR	MAY	JUN	J[illegible]
[illegible] ( )	56	61	69	74	[illegible]	[illegible]7	[illegible]
[illegible] ( )	[illegible]	42.[illegible]	47.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] ( )	[illegible].1	33.1	42.1	46.[illegible]	[illegible].1	[illegible]	[illegible]
[illegible] ( )	33.7	33.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] ( )	7	1[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] ( )	[illegible]	[illegible]	[illegible]	[illegible]	1		
[illegible] ( )	[illegible]	[illegible]	[illegible]	1	3	[illegible]	[illegible]
[illegible] ( )	1[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]		
[illegible] ( )	[illegible]	[illegible]	1	[illegible]	[illegible]		
[illegible] DAYS	[illegible]	7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] DAYS							[illegible]
[illegible] ( )	31.[illegible]	30.1	35.[illegible]	37.	[illegible]	[illegible]	.1
[illegible] ( )	3[illegible].1	34.3	[illegible]	41.[illegible]	[illegible]	[illegible]	[illegible]
[illegible] (FT)	1[illegible]	1[illegible]	1[illegible]	1[illegible]	1[illegible]	1[illegible]	
[illegible] ( )	[illegible]	77.7	[illegible]	7[illegible]	[illegible]	[illegible]	[illegible]
[illegible] ( )	77.1	71.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] (IN)	1.[illegible]	.[illegible]	1.01	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] (IN)	4.[illegible]	3.1[illegible]	.1[illegible]	3.[illegible]7	[illegible]	[illegible]	[illegible]
[illegible] (IN)	[illegible]	1.[illegible]6	[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]
[illegible] (IN)	.[illegible]2	.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] (IN)	1[illegible]	11	1[illegible]	1[illegible]	1[illegible]	1[illegible]	[illegible]
[illegible] (IN)	1	1	1	[illegible]	1	[illegible]	[illegible]
[illegible] (IN)	[illegible]	[illegible].2	[illegible]	[illegible].7	1.[illegible]	[illegible]	
[illegible] (IN)	1[illegible]	1[illegible].4	11.4	[illegible]	1.[illegible]	[illegible]	
[illegible] (IN)	[illegible]	[illegible].1	1.	[illegible]	[illegible]	[illegible]	
[illegible] (IN)	[illegible]	[illegible]	1	1	[illegible]	[illegible]	
[illegible] (IN)	1	1	1	[illegible]	[illegible]		
[illegible] (IN)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible] ( )	24[illegible]	[illegible]	21[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] ( )	[illegible]	3.6	[illegible].1	7.3	7.[illegible]	[illegible]	[illegible]
[illegible] ( )	7[illegible]	63	74	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 1/2 ( )	*	*	*	*	*	[illegible]	[illegible]
DAYS THUNDERSTORMS	[illegible]	[illegible]	1	1	2	2	[illegible]
DAYS FOG (VSBY LT 7 MI)	1[illegible]	17	17	1[illegible]	14	1[illegible]	1[illegible]

LEGEND: ANN = ANNUAL
/# = MEAN NUMBER OF DAYS WITH
@ = BASED ON LESS THAN FULL MONTHS
** = INSTANTANEOUS PEAK WINDS
* = DATA NOT AVAILABLE

POR/YRS = [illegible]
FCPA = FIRST CASE [illegible]
# = LESS THAN [illegible]
$ = [illegible]
WIND [illegible]

[illegible] AF [illegible]
[illegible]
- JUN [illegible]
[illegible] - JUN [illegible] (6/57-9/[illegible], [illegible]/55-[illegible]/[illegible] PART TIME)
- [illegible] LST

FIELD ELEV: 438 FT
STATION WSC: 036553
CALL SIGN: EGUA

SUPERCEDES: APR 84

[illegible]	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS
[illegible]	74	[illegible]	87	[illegible]	[illegible]	[illegible]	79	63	59	90	3[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57.	53.[illegible]	[illegible]	[illegible]	44.4	54.[illegible]	38
[illegible].1	[illegible]	[illegible].1	[illegible]	61.[illegible]	[illegible].7	[illegible]	51.1	43.[illegible]	40.4	48.9	35
[illegible]	[illegible]	[illegible]	[illegible]	53.4	[illegible].1	[illegible]	44.[illegible]	[illegible]	35.9	42.5	3[illegible]
1[illegible]	24	[illegible]	[illegible]	41	[illegible]	[illegible]	27	22	3	3	38
[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	13	3[illegible]
	1	3	[illegible]	1[illegible]	1[illegible]	4	1		[illegible]	38	3[illegible]
	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	51	3[illegible]
1	[illegible]	[illegible]		[illegible]		[illegible]		1	2	9	3[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	121	[illegible]	[illegible]	[illegible]	[illegible]14	731	5571	3[illegible]
			[illegible]	1[illegible]	1[illegible]	[illegible]	[illegible]			44	3[illegible]
[illegible]	37.	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	44.7	[illegible].1	[illegible]	41.4	1[illegible]
[illegible]	[illegible]1.[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible].1	[illegible]	42.3	3[illegible]	45.3	1[illegible]
[illegible]	13[illegible]	1[illegible]	1[illegible]	[illegible]	[illegible]	11[illegible]	1[illegible]	14[illegible]	1[illegible]	1400	1[illegible]
[illegible]	7[illegible]	[illegible]	[illegible]	1.	[illegible]	[illegible].7	[illegible]	[illegible]1.[illegible]	[illegible]1.7	[illegible]1.3	10
[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]1.7	[illegible]	7[illegible].	[illegible]	7[illegible]	6[illegible].4	10
1.31	.44	[illegible].1[illegible]	2.7[illegible]	[illegible].31	1.[illegible]	1.	1.[illegible]	1.[illegible]	[illegible]	2.75	3[illegible]
.1[illegible]	3.57	4.[illegible]	[illegible]	[illegible]	[illegible]	[illegible].77	[illegible].[illegible]7	[illegible]	[illegible]	40.19	3[illegible]
[illegible]	1.[illegible]	[illegible]	[illegible]	1.7[illegible]	[illegible]	[illegible]	[illegible]	2.51	[illegible].44	25.65	3[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	.17	[illegible]	.1[illegible]	[illegible]	[illegible]	[illegible]	16.3[illegible]	3[illegible]
1[illegible]	1[illegible]	13	11	[illegible]	1[illegible]	11	1[illegible]	1	1[illegible]	1[illegible]	3[illegible]
[illegible]	[illegible]	1	[illegible]	1	1	1	[illegible]	1	1	1[illegible]	3[illegible]
[illegible]	[illegible].7	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].3	[illegible]	[illegible]	3[illegible]
[illegible].4	[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12.2	23.[illegible]	3[illegible]
1.	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	.4	1.[illegible]	1[illegible].6	3[illegible]
1	1	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	1	1	[illegible]	3[illegible]
1	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	1	4	3[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	[illegible]	1[illegible]
[illegible]	[illegible]	21	24[illegible]	[illegible]	24[illegible]	24[illegible]	21[illegible]	21[illegible]	210	21[illegible]	10
[illegible].1	7.3	7.[illegible]	[illegible]	6.[illegible]	7.[illegible]	7.1	7.3	[illegible].6	[illegible]	7.3	10
74	[illegible]	43	4[illegible]	35	47	51	54	6[illegible]	[illegible]	74	31
*	*	*	*	*	*	*	*	*	*	*	*
1	1	2	2	[illegible]	[illegible]	1	1	[illegible]	[illegible]	12	39
17	14	14	14	14	15	17	1[illegible]	1[illegible]	1[illegible]	196	39

POR/YRS = PERIOD/YEARS OF RECORD
WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE
* = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE
& = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN
[illegible] [illegible]TION

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS
35.7	23.7	22.7	24.	15.4	15.7	24.3	29.1	40.1	43.9	30.5	10
43..	39.2	34.2	37.[illegible]	35.[illegible]	32.[illegible]	32.4	39.[illegible]	44.[illegible]	47.5	40.2	10
41.4	41.1	46.2	40.[illegible]	35.9	34.7	37.1	45.7	47.5	47.4	43.[illegible]	1[illegible]
47.2	33.4	29.[illegible]	40.1	22.3	25.[illegible]	25.[illegible]	36.5	45.3	47.0	35.4	10
30.9	17.3	17.3	17.4	13.2	15.5	15.0	25.5	34.7	41.4	27.5	10
23.2	13.[illegible]	12.1	13.[illegible]	[illegible].2	10.4	11.1	19.[illegible]	35.5	39.2	22.1	10
27.5	13.7	11.7	13.[illegible]	7.[illegible]	11.1	16.1	23.4	35.5	44.2	22.[illegible]	10
31.3	16.[illegible]	15.4	14.[illegible]	11.9	13.5	13.1	25.5	34.[illegible]	41.8	25.7	10
35.1	23.5	24.5	18.2	13.5	21.[illegible]	22.7	33.[illegible]	40.7	44.1	31.1	10
25.[illegible]	17.5	15.[illegible]	13.2	14.[illegible]	14.4	15.4	23.1	32.1	33.[illegible]	23.4	10
31.2	25.[illegible]	31.1	31.[illegible]	29.[illegible]	25.5	27.[illegible]	32.5	33.[illegible]	35.7	31.4	10
[illegible].[illegible]	32.[illegible]	35.[illegible]	33.[illegible]	27.2	31.2	33.[illegible]	33.5	34.5	36.5	35.2	10
32.3	17.[illegible]	17.7	15.1	12.[illegible]	14.7	17.3	29.7	36.[illegible]	36.2	25.6	10
21.[illegible]	[illegible].4	[illegible].7	[illegible].5	[illegible].5	[illegible].9	[illegible].5	15.6	25.1	23.1	17.0	10
15.5	[illegible].1	[illegible].[illegible]	[illegible].[illegible]	3.[illegible]	[illegible].1	[illegible].6	11.5	21.2	27.0	13.[illegible]	1[illegible]
13.2	[illegible].2	7.5	[illegible].[illegible]	[illegible].[illegible]	7.1	11.1	18.5	23.0	31.5	16.[illegible]	1[illegible]
[illegible].[illegible]	15.[illegible]	11.[illegible]	13.1	[illegible].6	13.[illegible]	13.[illegible]	1[illegible].5	27.3	31.2	1[illegible].5	10
25.7	15.[illegible]	11.[illegible]	15.1	11.3	14.4	17.2	23.4	29.7	32.5	22.5	10
17.3	11.2	11.[illegible]	11.4	7.1	[illegible].[illegible]	12.7	15.[illegible]	22.2	24.[illegible]	16.1	1[illegible]
21.[illegible]	15.4	24.1	24.7	14.1	15.1	22.[illegible]	25.2	24.[illegible]	29.4	23.5	10
31.1	24.[illegible]	23.[illegible]	24.4	19.[illegible]	24.[illegible]	27.1	30.4	23.1	29.1	25.[illegible]	10
22.[illegible]	15.[illegible]	[illegible].7	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	13.[illegible]	23.2	25.4	25.4	17.5	10
11.5	[illegible].[illegible]	[illegible].[illegible]	[illegible].1	1.[illegible]	[illegible].2	3.7	[illegible].1	15.5	1[illegible].6	10.1	10
[illegible].[illegible]	2.[illegible]	[illegible].[illegible]	[illegible].1	1.[illegible]	1.7	2.[illegible]	7.[illegible]	13.4	1[illegible].9	[illegible].[illegible]	10
11.[illegible]	[illegible].1	[illegible].3	[illegible].1	1.[illegible]	[illegible].[illegible]	[illegible].7	[illegible].5	14.4	23.1	10.2	10
15.1	[illegible].1	[illegible].7	[illegible].[illegible]	[illegible].1	[illegible].[illegible]	7.7	12.[illegible]	19.[illegible]	23.9	12.0	10
17.3	1[illegible].[illegible]	11.[illegible]	1[illegible].[illegible]	7.5	[illegible].[illegible]	11.2	15.4	20.7	24.[illegible]	15.5	10
[illegible].[illegible]	[illegible].2	1.[illegible]	[illegible].4	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	1.7	[illegible].[illegible]	[illegible].[illegible]	2.[illegible]	10
[illegible].[illegible]	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	3.7	[illegible].1	[illegible].[illegible]	[illegible].2	4.[illegible]	10
[illegible].[illegible]	4.[illegible]	[illegible].[illegible]	2.1	1.7	4.[illegible]	4.7	10.4	[illegible].[illegible]	[illegible].6	6.0	10
1.[illegible]	[illegible].7	[illegible].[illegible]	[illegible].1	[illegible].1	[illegible].[illegible]	[illegible].[illegible]	[illegible].5	7.[illegible]	7.[illegible]	[illegible].[illegible]	10
[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.5	10
[illegible].1	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	10
[illegible].1	[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	10
[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].1	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.7	10
1.[illegible]	[illegible].[illegible]	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	10

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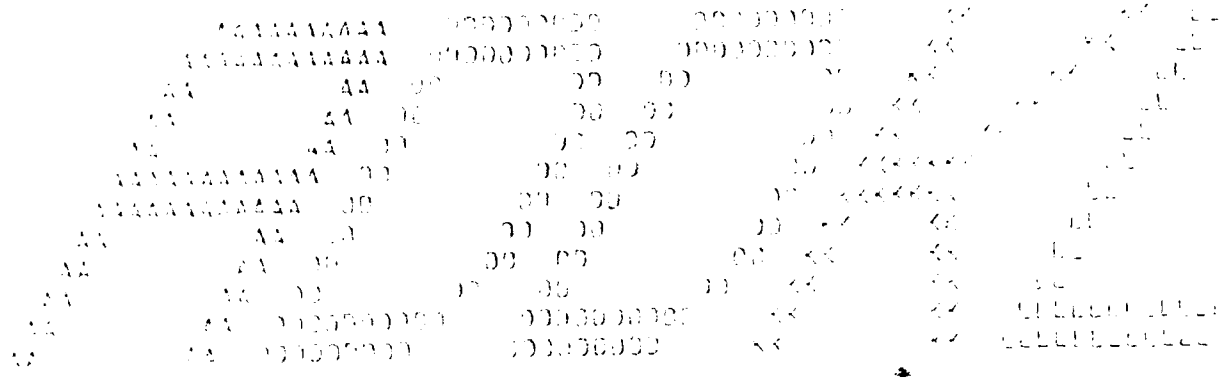

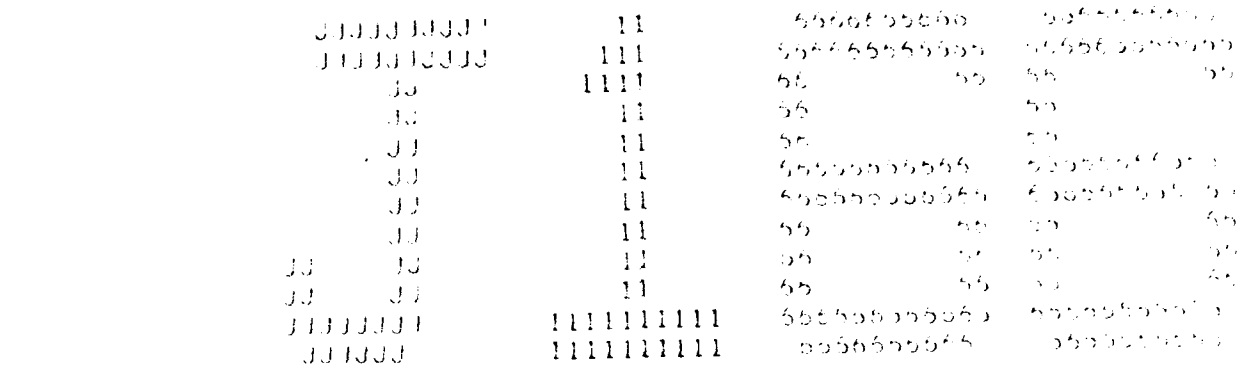

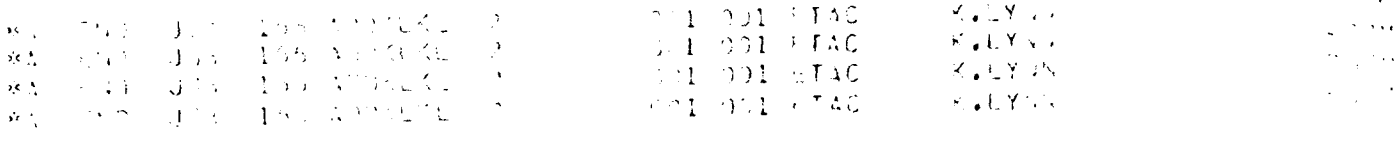

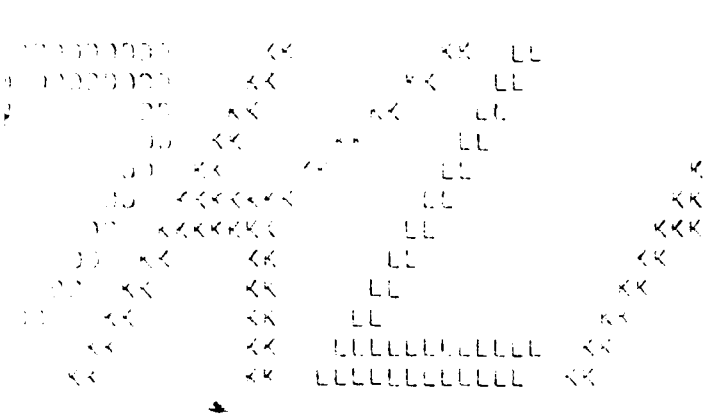

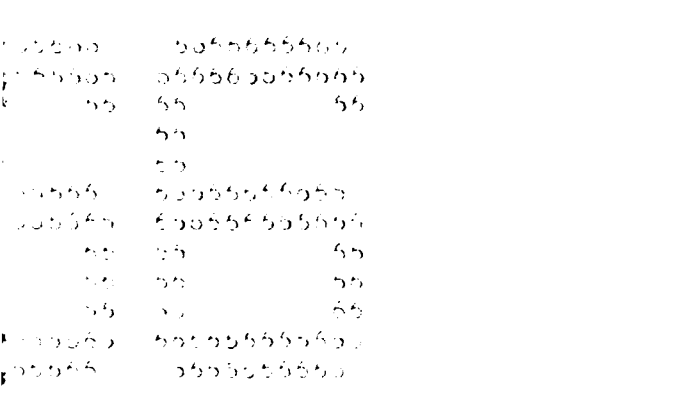

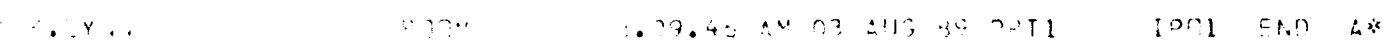

89 8 14 010